

**APPENDIX B**

**VIBRACORE AND BOREHOLE LOGS**

# Honeywell

**Weather: Low 70s, Light Winds, sun&clouds**

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10176

Start/End Date: 06/19/2009

Weather: Low 70s, Light Winds, sun&amp;clouds

Northing: 1118055.03

Easting: 923988.20

Mud Line: 361.46 Ft

Surface Water Depth: 2.0 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: Barge Mounted

Total Depth: 20.0 Ft

Water Elevation: 363.46

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
10			5-4-3-2	7	6.1	SOLW	0-10 inches: Wet, loose, medium sand-like grains; 10-16 inches: Wet, loose, cemented fine to medium sand-like grains; 16-20 inches: Wet, medium stiff, cemented silt-like and fine sand-like grains; 20-24 inches: Wet, Soft, silt-like grains, thin 1/8" crusty lenses.	2SS-140H	
			1-WH-WH-WH	0	9.0	SOLW	0-3 inches: Wet, very loose, fine to coarse sand-like grains; 3-7 inches: Wet, very soft, crusted silt-like grains, white and green soft lenses, 1/2" each; 7-24 inches: Wet, very soft, white and green, silt-like grains, four 1/8" thick thin crust lenses.	2SS-140H	
15			WR-WR-WR-WR	0	9.6	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	Solvay Waste
			WR-WR-WR-WR	0	47.0	SOLW	0-11 inches: Wet, very soft, white, silt-like grains; 11-12 inches: Wet, very loose, medium to coarse Sand-like grains; 12-24 inches: Wet, very soft, black, silt-like grains, NAPL blebs near bottom.	2SS-140H	
			WR-WR-WR-WR	0	52.0	SOLW	Wet, very soft, dark gray-black, silt-like grains, chlorobenzene-like odor.	2SS-140H	
20.0									

Note: Location completed 80 ft NE of target due to shallow water depth

# Honeywell

Northing: 1117923.93

Easting: 924855.91

**Mud Line: 357.64**

**Surface Water Depth: 5.7**

**Drilling Company: Atlantic Testing**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

**Borehole Geologist: SBD**

**Rig Type: Barge Mounted**

**Total Depth: 10.0 Ft**

Water Elevation: 363.34

Borehole Depth Units: Ft

[illegible]



# Honeywell

**Weather: High 70s, Winds E 5-10mph, mostly sunny**

Depth Units: Ft

[illegible]



# Honeywell

**Weather: High 70s, Winds E 5-10mph, mostly sunny**

Depth Units: Ft

[illegible]

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Start/End Date: 06/16/2009

**Weather: High 70s, Winds E 5-10mph, mostly sunny**

Easting: 925940.63

Mud Line: 353.50 Ft

**Surface Water Depth: 10 Ft**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD

**Rig Type:** Barge Mounted Rig

**Total Depth: 20.0 Ft**

**Water Elevation: 363.50**

Depth Units: Ft

[illegible]

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-10180**

Start/End Date: 06/18/2009

**Weather: Mid 60s Winds E-SE 10-20mph, cloudy**



**Northing: 1117518.81**

Easting: 925244.03

**Mud Line: 358.64 Ft**

Surface Water Depth: 4.7 Ft

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD

Rig Type: Barge Mounted Rig

**Total Depth: 10.0 Ft**

**Water Elevation: 363.34**

Depth Units: Ft

[illegible]

# Honeywell

**Weather: Mid 70s, Winds S-SE 10-20mph, sun&clouds**

Depth Units: Ft

[illegible]



# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date:** 06/17/2009

**Weather: Mid 70s, Winds S-SE 10-20mph, sun&clouds**

Easting: 925872.62

**Mud Line: 355.24 Ft**

**Surface Water Depth: 8 Ft**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD Rig Type: Barge Mounted Rig

Water Elevation: 363.24

Depth Units: Ft

Depth Ft		Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
10				WH-WH-WH-WH	0	5.2	SOLW	0-1 inch is wet, very loose, whitish, sand-like grains; 1-24 inches is wet, very soft, whitish, silt-like grains, 1/2 cm crust lenses at 11 and 14 inches.	2SS-140H	Solvay Waste
				WR-WR-WR-WR	0	17.8	SOLW	Wet, very soft, silt-like grains, mothball odor.	2SS-140H	
15				WH-WH-WH-1	0	9.1	SOLW	Wet, very soft, silt-like grains, mothball odor.	2SS-140H	
				WR-WR-WR-WR	0	9.1	SOLW	Wet, very soft, silt-like grains, mothball odor.	2SS-140H	
				WR-WR-WR-WR	0	20.3	SOLW	Wet, very soft, white, silt-like grains, bottom 3 inches of sample is very soft, green, silt-like grains, with dark gray layering,	2SS-140H	
20.0										



# Honeywell

**Weather: Mid 70s, Winds S-SE 10-20mph, sun&clouds**

Depth Units: Ft

[illegible]

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date:** 06/17/2009

**Weather: Mid 70s, Winds S-SE 10-20mph, sun&clouds**

Easting: 925872.62

**Mud Line: 361.14 Ft**

**Surface Water Depth: 2.1 Ft**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD      Rig Type: Barge Mounted Rig

Water Elevation: 363.24

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10183

Start/End Date: 06/22/2009 - 06/23/2009

Weather: High 70s, winds 10-20mph, sunny

Northing: 1116998.125

Easting: 925459.632

Mud Line: 361.6 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 55.0 Ft

Water Elevation: 364.10

Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0							Drill down from 0 to 5 ft below mudline.		
5			WH-WH-WH-WH	0		SOLW	Wet, very soft, black, silt-like grains, organic odor.	2SS-140H	
							Drill down from 7 to 10 ft.		
10							Shelby Tube, No Recovery.	Shelby	
							Shelby Tube.	Shelby	SOLW
15			WR-WR-WR-WR	0		SOLW	Wet, very soft, white, silt-like grains, thin crust lense at 0 to 3 inches.	2SS-140H	
							Drill down from 16 to 17 ft.		
							Shelby Tube.	Shelby	
20			WR-WR-WR-WR	0		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	2SS-140H	

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date: 06/22/2009 - 06/23/2009**

**Weather:** High 70s, winds 10-20mph, sunny

Borehole Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10183

Start/End Date: 06/22/2009 - 06/23/2009

Weather: High 70s, winds 10-20mph, sunny

Northing: 1116998.125

Easting: 925459.632

Mud Line: 361.6 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 55.0 Ft

Water Elevation: 364.10

Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
40							Drill down from 40 to 41 ft.		
							Shelby Tube.	Shelby	
			WR-WR-WR-WR	0		ML	Wet, very soft, greenish brown, SILT, little clay, trace shells, sewage-like odor.	2SS-140H	
45							Drill down from 45 to 46 ft.		
							Shelby Tube.	Shelby	Marl
							Drill down from 48 to 49 ft.		
							Shelby Tube.	Shelby	
50									
			WR-WR-WR-WR	0		ML	Wet, very soft, greenish gray, SILT, little clay, trace shells, slight odor.	2SS-140H	
						ML	Wet, very soft, dark gray and light gray, SILT, some clay, varved, slight odor.	2SS-140H	Silt and Clay
55.0									

Note: Null fields indicate readings were not taken.

# Honeywell

**Weather:** Low 80s, winds 10-15mph N, mostly sunny

Depth Units: Ft

[illegible]

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date: 06/23/2009 - 06/24/2009**

**Weather:** Low 80s, winds 10-15mph N, mostly sunny

Easting: 925651.98

**Mud Line: 356.93 Ft**

**Surface Water Depth: 7.1 Ft**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD/HMP Rig Type: CME75

Water Elevation: 364.03

Depth Units: Ft

[illegible]





**Northings: 1117383.87**

Easting: 925651.98

**Mud Line: 356.93 Ft**

**Surface Water Depth: 7.1 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD/HMP Rig Type: CME75

**Total Depth: 54.0 Ft**

**Water Elevation: 364.03**

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum	
32			WR-WR-WR-WR	0		SOLW	Wet, very soft, greenish gray and black, silt-like grains, organic odor.	2SS-140H	SOLW	
35			WR-WR-WR-WR	0		SOLW	Wet, very soft, greenish gray and black, silt-like grains, organic odor.	2SS-140H		
			WR-WR-WR-WR	0		SOLW	Wet, very soft, dark gray grading to white, silt-like grains.	2SS-140H		
			WR-WR-WR-WR	0		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	2SS-140H		
40			WR-WR-WR-WR	0		SOLW	Wet, very soft, whitish gray and green, silt-like grains, trace fine sand-like grains, mothball and organic odors.	2SS-140H		Marl
			WR-WR-WR-WR	0		ML	0-6 inches: Wet, very soft, gray and green, silt-like grains; 6-12 inches: Wet, very soft, black, SILT, some organics; 12-24 inches: Wet, very soft, dark gray and brown, SILT, trace clay, slight odor.	2SS-140H		
45			WR-WR-WR-WR	0		ML	Wet, very soft, dark greenish gray and brown, SILT, trace shells, slight odor.	2SS-140H		
48									Shelby Tube.	Shelby

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10184

Start/End Date: 06/23/2009 - 06/24/2009

Weather: Low 80s, winds 10-15mph N, mostly sunny

Northing: 1117383.87

Easting: 925651.98

Mud Line: 356.93 Ft

Surface Water Depth: 7.1 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD/HMP Rig Type: CME75

Total Depth: 54.0 Ft

Water Elevation: 364.03 Ft

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
48							Shelby Tube.	Shelby	
50			WR-WR-WR-WR	0		ML	Wet, very soft, dark gray and brown, SILT, trace shells, trace organics, slight organic odor.	2SS-140H	Marl
			WR-WR-WH-WH	0		ML	Wet, very soft, dark gray and brown, SILT, trace clay, trace shells, mottling throughout, organic odor.	2SS-140H	
54.0									

Note: Null fields indicate readings were not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10185

Start/End Date: 08/05/2009

Weather: High 70s, Winds NW 10-15mph, sun&amp;clouds

Northing: 1117792.01

Easting: 923760.92

Mud Line: 362.13 Ft

Surface Water Depth: 1.2 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: Tripod SPT

Total Depth: 10.0 Ft

Water Elevation: 363.33

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			1-WH-1-1	1	0.0	SOLW	0-5 inches is wet, cemented/crust silt-like grains. Rest of spoon is wet, very soft, gray, silt-like grains.	2SS-140H	
			1-1-1-1	2	47.0	SOLW	0-6 inches is wet, very loose, white, sand-like grains, thin crust lenses approximately 1/8 inch thick. 6-13 inches is wet, white, compacted, silt-like grains with intermittent soft layers.	2SS-140H	
5			1-1-1-WH	2	8.1	SOLW	0-2 inches is wet, very soft, gray and black, silt-like grains. 2-10 inches is wet, firm, compacted, silt-like grains, bottom 2 inches is soft, gray, sand-like grains. 12-13.5 inches is wet, soft, white, silt-like grains.	2SS-140H	Solway Waste
			WH-WH-WH-WH	0	0.0	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	
			WH-WH-WH-WH	0	0.0	SOLW	Wet, very soft, light gray, silt-like grains and cemented sand-like grains, thin crust lenses approximately 1/8 inch thick, cemented sand-like grains are 1/2 inch thick.	2SS-140H	
10.0									

Note: Null fields indicate readings were not taken.

# Honeywell

**Weather: High 70s, Winds NW 10-15mph, sun&clouds**

Depth Units: Ft

[illegible]

# Honeywell

**Weather: Mid 60s Winds E-SE 10-20mph, cloudy**

Depth Units: Ft

[illegible]

# Honeywell

**Weather:** Windy, showers, cold

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0							Wet, very soft, gray, SILT, trace sand, strong organic odor.		
			WOR-WOR-WOR-WOR	0	24.7	ML		2SS-140H	Silt
							Wet, very soft, gray, SILT, strong organic odor.	2SS-140H	
			WOR-WOR-WOR-WOR	0	46.7	ML		2SS-140H	
5			WOR-WOR-WOR-WOR	0	63	SOLW	Wet, very soft, gray, silt-like grains, greenish color at bottom, strong organic odor and sewage odor, slightly crusty at bottom.	2SS-140H	
			WOR-WOR-WOR-WOR	0	42	SOLW	Wet, very soft, white, silt-liked grains, strong odors.	2SS-140H	
			WOR-WOR-WOH-WOH	0	37.7	SOLW	Wet, very soft, white, silt-liked grains, strong odors, trace thin 1/8 inch crust lenses from 2 to 3 ft.	2SS-140H	
10						SOLW	Shelby Tube. Recovery = 24 in.	Shelby	Solway Waste
			WOR-WOR-WOR-WOR	0	22.8	SOLW	Wet, very soft, greenish-white, silt-like grains, organic odor.	2SS-140H	
						SOLW	Washed to 15 feet.		
15						SOLW	Shelby Tube. Recovery = 24 in.	Shelby	
18			WOR-WOR-WOR-WOR	0	2.2	SOLW	Wet, very soft, gray and dark gray, thinly bedded silt-like grains, green lense near top.	2SS-140H	



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-10189

Start/End Date: 08/26/2009

Weather: Windy, showers, cold

Northing: 1117137.66

Easting: 926183.94

Mud Line: 354.88 Ft

Surface Water Depth: 7.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SD

Rig Type: CME75

Total Depth: 35.0 Ft

Water Elevation: 362.38

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
18			WOR-WOR-WOR-WOR	0	2.2	SOLW	Wet, very soft, gray and dark gray, thinly bedded silt-like grains, green lense near top.	2SS-140H	Solvay Waste
			WOR-WOR-WOR-WOR	0	5.6	SOLW	Wet, very soft, gray and dark gray silt-like grains, organic odor.	2SS-140H	
20			WOR-WOR-WOR-WOR	0	14	SOLW	Wet, very soft, dark gray-black, silt-like grains.	2SS-140H	
			WOR-WOR-WOR-WOR	0	3.9	SOLW	Wet, very soft, dark gray-black, silt-like grains.	2SS-140H	
25			WOR-WOR-WOR-WOR	0	0.8	SOLW	Wet, very soft, dark gray, discolored silt-like grains, thin lenses of lighter gray silt-like grains throughout, organic odor, sheen.	2SS-140H	
			WOR-WOR-WOR-WOR	0	1.8	SOLW	Wet, very soft, dark gray, discolored silt-like grains, thin lenses of lighter gray silt-like grains throughout, organic odor, sheen.	2SS-140H	
30			WOR-WOR-WOR-WOR	0	0.2	SOLW/ML	0 to 12 in: Wet, very soft, dark gray, stained silt-like grains, thin lenses of lighter gray silt-like grains throughout. 12 to 24 in: Wet, very soft, dark gray and gray, SILT, trace thin lenses of silt-like grains, marine odor.	2SS-140H	Marl
			WOR-WOR-WOR-WOR	0	0.2	ML	Wet, very soft, tan, SILT, trace shells, burrows.	2SS-140H	
			WOH-WOH-WOH-WOH	0	0	ML	Wet, very soft, tan, SILT, trace shells, little odor, uniform (Transitional Marl).	2SS-140H	

35.0

Odors during drilling 0-10 feet, 1 ppm in breathing zone.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20161

Date: 08/19/2009

Weather: Mid 80s, Winds NW 5-15mph, Mix sun &amp; clouds

Northing: 1120169.36

Easting: 921067.05

Mud Line: 361.4 Ft

Surface Water Depth: 1.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15

Core Recovery Depth: 14

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-0896-15	0.5	SW	0 to 5 inches is wet, stiff, black and white, silt-like grains, trace fine sand, some cemented chunks, slight mothball odor (SOLW). Rest of core is wet, very loose, light gray, fine to medium SAND, trace shells, slight sulfur odor, (MARL).	Vibracore	Solvay Waste
		OL-0896-16	1	SW	0 to 5 inches is wet, very loose, light gray, fine to medium SAND, little silt-like grains, trace shells, slight mothball odor (SW). 5 to 10 inches is wet, very soft, greenish-gray, silt-like grains, mothball odor (SOLW). 10 to 12 inches is wet, very loose, gray, fine to medium SAND, little shells, (MARL).	Vibracore	Marl
		OL-0896-17	0.6	SOLW	0 to 2 inches is wet, very loose, light gray, fine to medium SAND, little shells. 2 to 5 inches is wet, very soft, grayish-white, silt-like grains, some cemented chunks. 5 to 7 inches is wet, very soft, black, silt-like grains, some cemented chunks (SOLW). 7 to 12 inches is wet, very soft, grayish-white, silt-like grains, slight mothball odor.	Vibracore	Solvay Waste
		OL-0896-18	0.6	SOLW	Wet, very soft, grayish-white and greenish-gray, silt-like grains, mothball odor.	Vibracore	
		OL-0896-19	0.3	SOLW	Wet, very soft, white, silt-like grains, layer of dark greenish-gray silt-like grains about 0.5 inch thick at 3 inches, mothball odor.	Vibracore	
5		OL-0896-20	0.8	ML	0 to 3 inches is wet, very soft, grayish-white, silt-like grains (SOLW). Rest of core is wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0897-01	8.6	ML	0 to 1 inches is wet, very loose, black, fine to medium SAND, trace shells, trace organics, MARL. Rest of core is wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	Marl
7							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20161

Date: 08/19/2009

Weather: Mid 80s, Winds NW 5-15mph, Mix sun &amp; clouds

Northing: 1120169.36

Easting: 921067.05

Mud Line: 361.4 Ft

Surface Water Depth: 1.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15

Core Recovery Depth: 14

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
7		OL-0897-02	3	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	Silt
		OL-0897-03	14	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0897-04	0.6	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
10		OL-0897-05	1.3	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0897-06	5.3	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace clay, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
12.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20162

Date: 08/18/2009

Weather: High 80s, Winds 10-20mph, cloudy. T-storms

Northing: 1120164.11

Easting: 921113.26

Mud Line: 360.3 Ft

Surface Water Depth: 3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15

Core Recovery Depth: 12.5

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0896-02	0.7	ML	0 to 6 inches is wet, very soft, black, SILT, trace organics, some cemented chunks, petroleum-like odor (ML). Rest of core is wet, very loose, dark gray and light brown, fine to medium SAND, trace silt, little shells, cementation throughout, sulfur odor, (MARL).	Vibracore	Silt
		OL-0896-03	0.3	SOLW	0 to 8 inches is wet, very soft, greenish gray to light gray, silt-like grains, slight mothball odor (SOLW). 8 to 12 inches is wet, very loose, green-gray, fine to medium SAND, little shells, petroleum-like odor, (MARL).	Vibracore	Solvay Waste
		OL-0896-04	0.7	SW	0 to 8 inches is wet, very loose, green-gray, fine to medium SAND, little oncolites, trace shells, slight petroleum-like odor, (MARL). 8 to 12 inches is wet, medium stiff, gray, silt-like grains, some cementation (SOLW).	Vibracore	Marl
		OL-0896-06	0.3	SOLW	0 to 4 inches is wet, medium stiff, dark gray, silt-like grains. 4 to 9 inches is wet, very soft, gray, silt-like grains, trace fine sand. 9 to 12 inches is wet, very soft, black, silt-like grains, some cemented chunks, slight petroleum-like.	Vibracore	Solvay Waste
		OL-0896-07	0.5	SOLW	0 to 7 inches is wet, very soft, black to dark gray, silt-like grains, some cemented chunks. Rest of core is wet, medium stiff, grayish-white, silt-like grains, some cementations, slight mothball odor.	Vibracore	
		OL-0896-08	0.3	SOLW	Wet, medium stiff, white, silt-like grains, some cementations, mothball odor.	Vibracore	
		OL-0896-09	0.5	SOLW	Wet, very soft, white, silt-like grains, 3 layers of greenish-gray silt-like grains and fine sand at 2, 4 and 6 inches, each is about 0.25 inches thick, slight mothball odor.	Vibracore	
		OL-0896-10	0.6	SOLW	Wet, very loose, white and greenish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-0896-11	0.5	SOLW	0 to 8 inches is wet, very soft, white and greenish white, laminated, silt-like grains. Rest of core is wet, very soft, greenish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0896-12	0.6	SOLW	0 to 7 inches is wet, very soft, white, silt-like grains, some cementation. 7 to 9 inches is wet, very soft, green and black, silt-like grains. Rest of core is wet, very soft, greenish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-0896-13	0.4	SOLW	Wet, very soft, light gray and grayish-white, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-0896-14	0.3	SOLW	Wet, soft, greenish-white, silt-like grains, mothball odor.	Vibracore	
12.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20163

Date: 08/10/2009

Weather: Low 80s, Light Winds, Cloudy. T-storms

Northing: 1120057.72

Easting: 921189.92

Mud Line: 359.5 Ft

Surface Water Depth: 3.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14

Core Recovery Depth: 11.5

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-0874-01	0	ML	Wet, very soft, gray and black, SILT, trace fine sand, trace organics, organic odor.	Vibracore	Silt
		OL-0874-02	0	ML	Wet, very soft, black, SILT, trace clay, trace organics, organic odor.	Vibracore	
		OL-0874-03	0	ML	Wet, very soft, gray and black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-0874-05	0	ML	Wet, very soft, gray and black, SILT, trace clay, trace fine gravel, trace organics, petroleum-like odor.	Vibracore	
		OL-0874-06	0	ML	Wet, very soft, gray and black, SILT, trace fine sand, trace clay, trace organics, petroleum-like odor.	Vibracore	
5		OL-0874-07	0	ML	Wet, very soft, gray and black, SILT, trace fine to medium sand, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-0874-08	0.2	ML	0-8 inches is wet, very soft, gray and black, SILT, trace fine gravel, trace fine to medium sand, trace organics, petroleum like odor (ML). Rest of core is wet, very soft, brown and black laminated SILT and Clay (ML/CL).	Vibracore	Silt and Clay
		OL-0874-09	0	ML/CL	Wet, very soft, brown and black laminated, SILT and Clay, trace organics, slight petroleum-like odor.	Vibracore	
		OL-0874-10	0.7	ML	0-6 inches is wet, very soft, brown and black, SILT and Clay, slight petroleum-like odor(ML/CL). Rest of core is wet very soft black SILT, some clay, petroleum-like odor, trace organics (ML).	Vibracore	Silt
		OL-0874-11	7.3	ML	Wet, soft, black, SILT, some clay, petroleum-like odor.	Vibracore	
10		OL-0874-12	1.3	ML	0-9 inches is wet, soft, black, SILT, some clay, petroleum-like odor. Rest of core is wet, very soft, brown and black SILT, little fine gravel, trace fine to medium sand, trace clay.	Vibracore	
11.5		OL-0874-13	0	ML	Moist, stiff, red-brown and gray, SILT, little fine gravel, little clay, trace organics.	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20164

Date: 08/10/2009

Weather: Low 80s, Light Winds, Cloudy. T-storms

Northing: 1120053.6  
 Easting: 921300.73  
 Mud Line: 351.6 Ft  
 Surface Water Depth: 11.4 Ft

Driller: Anchor QEA  
 Logging Company: PARSONS  
 Geologist: XIAODONG HUANG  
 Penetration Depth: 9.4      Core Recovery Depth: 8.2

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-0874-14	0	ML	Wet, very soft, black SILT, trace fine gravel, trace organics, trace fine to medium sand, petroleum-like odor.	Vibracore	Silt and Sand
		OL-0874-15	0	SP	Wet, loose, black, fine SAND, trace silt, petroleum-like odor.	Vibracore	
		OL-0874-16	0.2	ML	Wet, soft, black, SILT and fine Sand, trace organics, petroleum-like odor (ML/SM).	Vibracore	
		OL-0874-17	0	ML	Wet, very soft, black, SILT, trace fine to coarse sand, petroleum-like odor trace organics.	Vibracore	Silt
		OL-0874-18	0	CL	0-4 inches is wet, very soft, black, SILT, trace fine gravel, trace fine to coarse sand, petroleum-like odor. Rest of core is moist, medium stiff, brown and black, CLAY, little fine gravel, trace fine to coarse sand.	Vibracore	
5		OL-0874-19	0	ML	Wet, very soft, dark brown, SILT, trace fine gravel, trace fine to coarse sand, trace clay, slight petroleum-like odor.	Vibracore	
		OL-0874-20	0	ML	Wet, soft, dark-brown, SILT, some fine gravel, little fine to coarse sand, slight petroleum-like odor.	Vibracore	
		OL-0874-21	0.2	ML	Wet, very soft, brown, SILT, some fine gravel, trace coarse sand, trace clay, slight petroleum-like odor.	Vibracore	Sand
9.0		OL-0876-07	0	SW	Wet, very dense, black fine to coarse SAND, little fine gravel.	2SS-140H	

Note: Sample OL-0876-07 collected from 8-9 ft with drill rig die to vibracore refusal after 8.2 ft.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20166

Date: 07/28/2009

Weather: Hig 80s, Winds SW 10-20mph, sunny

Northing: 1119815.17

Easting: 921457.21

Mud Line: 358.6 Ft

Surface Water Depth: 4.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 6.9

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0847-14	0.9	ML	Wet, very soft, black, SILT, little organics (roots 0-2 inches), trace zebra mussels (0-6 inches), trace fine sand, trace fine subangular gravel, petroleum-like odor.	Vibracore	Silt
		OL-0847-15	2.2	ML	Wet, soft, black, SILT, trace to little fine sand, trace subangular gravel, petroleum-like odor. Seam of wet, loose, black, fine SAND and silt from 8-10 inches.	Vibracore	
		OL-0847-16	0.6	ML	Wet, soft, dark gray, SILT, trace fine sand, trace oncolites, trace medium to coarse subangular gravel, trace shells, trace organics (roots), petroleum-like odor. (MARL).	Vibracore	Marl
		OL-0847-17	3.1	ML	Wet, soft, gray, SILT, little to some fine sand, trace shell, sulfur odor, some oncolites in top 9 inches, (MARL).	Vibracore	
		OL-0847-18	1.3	ML	Wet, soft, gray, SILT, trace shells, trace fine sand, sulfur odor (MARL).	Vibracore	
		OL-0847-19	1.7	ML	Wet, soft, gray, SILT, little grading to some fine sand, trace shells, sulfur odor, trace oncolites in top 4 inches, some oncolites from 4-12 inches (MARL).	Vibracore	
5							
6.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20167

Date: 07/27/2009

Weather: High 80s, Winds W-SW 5-10mph. Cloudy

Northing: 1119689.38

Easting: 921386.81

Mud Line: 361.1 Ft

Surface Water Depth: 2.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: HILLARY SLETTEN

Penetration Depth: 10

Core Recovery Depth: 8.3

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0847-08	5.8	ML	Wet, very soft, black, SILT, little fine sand, trace clay in bottom 3 inches, organics in bottom 1 inch, petroleum-like odor.	Vibracore	Silt
		OL-0847-09	3.3	ML-SM	0-6 inches: Wet, soft, black, SILT, some fine sand, trace fine angular gravel and slag material, petroleum-like odor (ML); Rest of core is wet, loose, dark gray, fine SAND and Silt, trace shells, slight petroleum-like odor, slight sulfur odor (MARL) (SM).	Vibracore	
		OL-0847-10	2.3	SM	Wet, loose, gray, fine to medium SAND, little silt, little oncolites, little shells, trace ceramic in top 1 inch, slight sulfur odor (MARL).	Vibracore	
		OL-0847-11	1.3	SM	Wet, loose, gray, fine to medium SAND, some silt, trace shells, some oncolites, (MARL).	Vibracore	Marl
		OL-0847-12	1.7	ML	Wet, very soft, gray, SILT, little fine to medium sand, trace shells, slight sulfur odor some oncolites in top 8 inches, (MARL).	Vibracore	
5		OL-0847-13	1.2	ML	Wet, soft, gray, SILT, little fine sand, trace to little clay, trace shells (MARL).	Vibracore	
6.0							



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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20168

Date: 07/28/2009

Weather: High 80s, Winds SW 10-20mph, sunny

Northing: 1119536.0

Easting: 921443.7

Mud Line: 361.8 Ft

Surface Water Depth: 1.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 9

Core Recovery Depth: 7.3

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0850-20	0.7	SM	Wet, medium dense, black, fine to medium SAND, some fine sub-round gravel in top 5 inches, little silt, trace organics (peat-like), petroleum-like odor in top 5 inches, trace shells, slight sulfur odor oncolites in bottom 7 inches (MARL).	Vibracore	Marl
		OL-0851-01	0.7	SM	Wet, medium dense, gray, fine to medium SAND, some silt, little shells, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0851-02	0.8	SM	Wet, loose, gray, fine to medium SAND, some silt, trace shell, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0851-03	1.9	SM	Wet, loose, gray, fine to medium SAND, some silt, little shell, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0851-04	1.2	SM	Top 9 inches is wet, loose, gray, fine SAND, some silt, some oncolites, trace shells, sulfur odor (SM). Rest of core is wet, soft, gray, SILT, little fine sand, trace shells, sulfur odor (Marl)(ML).	Vibracore	
5		OL-0851-05	1.3	ML	Wet, soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20169

Date: 07/28/2009

Weather: High 80s, Winds SW 10-20mph, sunny

Northing: 1119460.67

Easting: 921532.46

Mud Line: 362 Ft

Surface Water Depth: 1.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.4

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0850-14	1.9	SW	0-6 inches: Wet, medium dense to very dense, SILT, trace to little fine sand, some slag, little ceramic fragments, trace organics (roots), strong petroleum-like odor (ML); Wet, loose, gray-brown, fine to medium SAND, little silt, little shells, slight petroleum-like odor, slight sulfur odor (MARL).	Vibracore	Silt
		OL-0850-15	2.7	SM	0-5 inches: Wet, loose, dark gray, fine to medium SAND, little silt, some shells, trace oncolites, trace organics (roots), sulfur odor (MARL) (SW); Rest of core is wet, loose, gray, fine SAND and Silt, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0850-16	13.5	ML-SM	Wet, soft, gray, SILT, some fine to medium sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0850-17	14.8	ML-SM	Wet, soft, gray, SILT, some fine to medium sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0850-18	3.9	ML	0-5 inches: Wet, soft, gray, SILT, some fine to medium sand, little oncolites, trace shells, sulfur odor (MARL) (ML/SM); Rest of core is wet, soft, gray, SILT, little fine to medium sand, little shells, sulfur odor (MARL) (ML).	Vibracore	
5		OL-0850-19	1.7	ML	Wet, soft, gray, SILT, little fine sand, little shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20170

Date: 07/28/2009

Weather: High 80s, Winds SW-10-20mph, sunny

Northing: 1119362.11

Easting: 921648.82

Mud Line: 361.6 Ft

Surface Water Depth: 1.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 8

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0848-13	86	ML	0-3 inches: Wet, soft, black, SILT, trace fine sand, petroleum-like odor; Rest of core is wet, soft, gray, SILT, trace fine sand, some oncolites, trace shells, petroleum-like odor, slight sulfur odor (MARL).	Vibracore	Marl
		OL-0848-14	5.3	ML	Wet, soft, gray, SILT, little fine sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0848-15	13.4	ML	Wet, soft, gray, SILT, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0848-16	10.1	ML	Wet, soft, gray, SILT, little fine sand, some oncolites in top 6 inches, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0848-17	8.7	ML	Wet, soft, gray, SILT, little fine sand, little oncolites from 10-12 inches, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0848-18	2.1	ML	Wet, soft, gray, SILT, some fine sand, some oncolites, trace shells, trace clay, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20171

Date: 07/08/2009

Weather: High 60s, winds 5-10mph W-NW, T-showers

Northing: 1119891.53

Easting: 921647.57

Mud Line: 335.74 Ft

Surface Water Depth: 27.9 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H. SLETTEN

Penetration Depth: 9.5

Core Recovery Depth: 7.6

Water Elev: 363.64 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0829-01	1.4	ML	Wet, very soft, black, SILT, strong sulfur odor.	Vibracore	Silt
		OL-0829-02	1.3	ML	Wet, very soft, black, SILT, strong sulfur odor.	Vibracore	
		OL-0829-03	0.3	ML	Wet, very soft, black, SILT, trace fine sand, strong sulfur odor.	Vibracore	
		OL-0829-04	1.1	ML	Wet, very soft, black, SILT, trace fine sand, trace organics (root matter), sulfur and slight petroleum-like odor.	Vibracore	
		OL-0829-05	0.7	ML	0 to 6 inches is wet, very soft, black, SILT, little fine sand, trace organics (root matter), sulfur and slight petroleum-like odor (ML). 6 to 7 inches is wet, loose, gray, fine SAND, some silt, sulfur odor. Rest of core is wet, very soft, black and dark gray, SILT, little fine sand, trace shells, sulfur odor. (MARL).	Vibracore	
5		OL-0829-06	4.4	ML	Wet, soft, grayish brown, SILT, little shells, sulfur odor (MARL).	Vibracore	Marl
6.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20172

Date: 07/08/2009

Weather: High 60s, winds 5-10mph W-NW, cloudy

# Honeywell

Northing: 1119709.51

Easting: 921926.50

Mud Line: 335.14 Ft

Surface Water Depth: 28.5 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 10.5

Core Recovery Depth: 7.5

Water Elev: 363.64 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, very soft, dark gray to black, SILT, slight petroleum-like odor.		
		OL-0829-07	0.5	ML		Vibracore	
		OL-0829-08	0.5	ML	Wet, very soft, black, SILT, slight petroleum-like odor.	Vibracore	
		OL-0829-09	4.1	ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum and ammonium-like odor.	Vibracore	Silt
		OL-0829-10	6.1	ML	Wet, very soft, black to dark gray, SILT, petroleum-like and slight sulfur odor.	Vibracore	
		OL-0829-11	9.1	ML	Wet, soft, grayish brown, SILT, little shells, sulfur odor (MARL).	Vibracore	
5		OL-0829-12	2.9	ML	Wet, soft, grayish brown, SILT, little shells, sulfur odor (MARL).	Vibracore	Marl
6.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20172-A

Date: 09/22/2009

Weather: Low 70s, Winds S 5-10mph, cloudy, showers

Northing: 1119706.14

Easting: 921922.89

Mud Line: 335 Ft

Surface Water Depth: 28.1 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 2.30

Water Elev: 363 Ft

Attempts: 1

Depth Units:

Depth	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1024-10	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics.	Vibracore	Silt
1.0		OL-1024-11	0	ML	Wet, very soft, gray-brown to black, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20173

Date: 07/08/2009

Weather: High 60s, winds 5-10mph W-NW, T-showers

Northing: 1119545.19

Easting: 921975.88

Mud Line: 346.64 Ft

Surface Water Depth: 17 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 10

Core Recovery Depth: 5.1

Water Elev: 363.64 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0829-13	0.5	SW	0 to 6 inches is wet, loose, dark gray, fine to medium SAND, trace shells, little organics, zebra mussels, slight petroleum-like odor (SW). Rest of core is wet loose, grayish brown, fine to medium SAND, trace shells, sulfur odor (Marl).	Vibracore	Sand
		OL-0829-14	0.7	SM	Wet, loose, grayish brown, fine to medium SAND, little silt, some shells, sulfur odor (Marl).	Vibracore	Marl
		OL-0829-15	0.9	SM	Wet, loose, grayish brown, fine to medium SAND, little silt, some shells, slight sulfur odor (Marl).	Vibracore	
		OL-0829-16	1.3	SM	Wet, loose, grayish brown, fine to medium SAND, little silt, some shells, slight sulfur odor (Marl).	Vibracore	
		OL-0829-17	1.1	SM	Wet, loose, grayish brown, fine to medium SAND, some silt, some shells, slight sulfur odor (Marl).	Vibracore	
5 5.1							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20174

Date: 07/27/2009

Weather: High 80s, Winds W-SW 5-10mph, cloudy.

Northing: 1119396.39

Easting: 922234.70

Mud Line: 341.7 Ft

Surface Water Depth: 21.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 6.4

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0845-20	28.1	SM	0-10 inches: Wet, loose, black, fine SAND, some silt, trace shell, sulfur odor (SM); Rest of core is wet, very soft, black, SILT, little fine sand, sulfur odor (ML).	Vibracore	Marl
		OL-0846-01	7.2	ML	Wet, very soft, black, SILT, trace fine sand, sulfur odor, petroleum-like odor.	Vibracore	Silt
		OL-0846-02	7.5	ML	Wet, very soft, black, SILT, petroleum-like odor, fine sand seam from 6 to 7 inches.	Vibracore	
		OL-0846-03	25.8	SM	0-9 inches: Wet, loose, dark gray, fine SAND, some silt, petroleum-like odor (SM); Rest of core is wet, very soft, black, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	Fine Sand
		OL-0846-04	8.7	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor, fine sand seam from 6 to 8 inches, loose.	Vibracore	Silt
5		OL-0846-05	9.4	ML	Wet, very soft, black grading to dark gray, SILT, trace fine sand, petroleum-like odor.	Vibracore	
6.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20175

Date: 07/08/2009

Weather: High 60s, winds 5-10mph W-NW, T-showers

Northing: 1119708.84

Easting: 921602.60

Mud Line: 357.94 Ft

Surface Water Depth: 5.7 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9

Core Recovery Depth: 6

Water Elev: 363.64 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0829-18	0.8	ML	Wet, soft, gray, SILT, little to some fine to medium sand, little shells, sulfur odor (Marl).	Vibracore	Marl
		OL-0829-19	0.9	ML	0 to 6 inches is wet, soft, gray, SILT, little to some fine to medium sand, little shells, sulfur odor (Marl). Rest of core is wet, loose, gray, fine to medium SAND, some silt, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-01	0.7	SM	0 to 5 inches is wet, loose, gray, fine to medium SAND, some silt, little oncolites, trace shells, sulfur odor (Marl). Rest of core is wet, soft, gray, SILT, little fine to medium SAND, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-02	4.3	ML	Wet, soft, gray, SILT, some fine sand, little shells, sulfur odor (Marl).	Vibracore	
		OL-0830-03	0.9	ML	Wet, soft, gray, SILT, little to some fine sand, trace shells, sulfur odor (Marl).	Vibracore	
5		OL-0830-04	0.6	ML	Wet, soft, gray, SILT, little to some fine to medium sand, trace clay, trace shells, sulfur odor (Marl).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20176

Date: 07/08/2009

Weather: High 60s, winds 5-10mph W-NW, T-showers

Northing: 1119613.46

Easting: 921646.81

Mud Line: 359.24 Ft

Surface Water Depth: 4.4 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 10

Core Recovery Depth: 10

Water Elev: 363.64 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					0 to 1 inch is wet, loose, black, fine to medium SAND, some silt, some vegetation, little zebra mussels. Rest of core is wet, loose, gray, fine to medium SAND, some silt, little oncolites, little shells, sulfur odor (Marl).	Vibracore	Sand
		OL-0830-05	2.9	SM			
		OL-0830-06	1.3	SM	Wet, loose, gray, fine to medium SAND, some silt, little oncolites, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-07	5	SM	Wet, loose, gray, fine to medium SAND, some silt, little oncolites, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-08	1.8	SM	Wet, soft, gray, SILT, little to some fine to medium sand, trace shells, sulfur odor (Marl).	Vibracore	Marl
		OL-0830-09	0.9	ML/SM	Wet, loose, gray, SILT, little to some fine to medium SAND, trace clay in bottom 4 inches, trace shells, sulfur odor (Marl).	Vibracore	
5		OL-0830-11	1.4	SM	0 to 8 inches is wet, loose, gray, fine to medium SAND, some silt, little to some oncolites, little shells, sulfur odor. Rest of core is wet, soft, gray, SILT, little fine sand, trace clay, trace shells, sulfur odor (Marl).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20177

Date: 07/08/2009

Weather: High 60s, winds 5-10mph W-NW, T-storms

Northing: 1119542.52

Easting: 921763.21

Mud Line: 358.9 Ft

Surface Water Depth: 4.5 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 10

Core Recovery Depth: 7.2

Water Elev: 363.64 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0830-12	0.7	ML	Wet, soft, gray, SILT, some fine to medium sand, little shells, little oncolites, sulfur odor, zebra mussels and vegetation in top 2 inches (Marl).	Vibracore	Marl
		OL-0830-13	3.8	SM	Wet, loose, gray, fine to medium SAND, some silt, some oncolites, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-14	1.7	SM	Wet, loose, gray, fine to medium SAND, some silt, some oncolites, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-15	2	ML	Wet, soft, gray, SILT, little to some fine to medium sand, trace oncolites, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0830-16	1.4	ML	Wet, soft, gray, SILT, little fine to medium sand, trace shells, sulfur odor (Marl).	Vibracore	
5		OL-0830-17	1	ML	Wet, soft, gray, SILT, little to some fine sand, trace shells, sulfur odor (Marl).	Vibracore	
6.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20178

Date: 07/27/2009

Weather: High 80s, Winds W-SW 5-10mph, cloudy

Northing: 1119129.87

Easting: 922415.31

Mud Line: 343.8 Ft

Surface Water Depth: 19.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 6.1

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0846-06	12.1	SM	0-9 inches: Wet, loose, dark gray, fine SAND, some silt, trace shells, petroleum-like odor (SM); Rest of core is wet, very soft, black, SILT, trace fine sand, trace clay, petroleum-like odor (ML).	Vibracore	Fine Sand
		OL-0846-07	66.8	ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0846-08	62.4	ML	Wet, very soft, dark gray, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0846-09	28.9	ML	Wet, very soft, dark gray to black, SILT, trace sand, petroleum-like odor.	Vibracore	
		OL-0846-10	24.7	ML	Wet, very soft, dark gray to black, SILT, trace sand, petroleum-like odor.	Vibracore	
5		OL-0846-12	15.7	ML	Wet, very soft, black, SILT, trace organics (fine roots), color grades to dark gray at 10 inches, trace fine sand, petroleum-like odor.	Vibracore	
6.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20179

Date: 07/24/2009

Weather: High 70s, Winds 5-10mph, SE-SW, T-Storms

Northing: 1118822.37

Easting: 922484.74

Mud Line: -7 Ft

Surface Water Depth: 7 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 6.5

Water Elev: 0 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0845-01	0.7	SM	Wet, loose, black, fine SAND, little to some silt, petroleum-like odor.	Vibracore	Fine Sand
		OL-0845-02	1.8	ML	0-2.5 inches: Wet, loose, black, fine SAND, little silt, petroleum-like odor (SM); Rest of core is wet, soft, black, SILT, trace fine sand, petroleum-like odor (ML)	Vibracore	Silt
		OL-0845-04	0.8	ML	Wet, soft, black, SILT, little to trace fine sand, petroleum-like odor	Vibracore	
		OL-0845-05	1.1	ML	Wet, soft, black, SILT, little to trace fine sand, organics from 3-5 inches (wood and root fragment), petroleum-like odor.	Vibracore	
		OL-0845-06	1.5	ML	Wet, soft, black, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
5		OL-0845-07	2.3	ML	Wet, soft, black, SILT, trace fine sand, trace clay, trace organics (root material), petroleum-like odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20180

Date: 07/24/2009

Weather: High 70s, winds 5-10mph SE-SW, T-storms

Northing: 1118731.78

Easting: 922391.41

Mud Line: 361.3 Ft

Surface Water Depth: 1.9 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 10

Core Recovery Depth: 9.4

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0843-20	2.1	SM	0-5 inches: Wet, loose, black, fine SAND, some silt, trace shells, little organics (root material), petroleum-like odor. Rest of core: wet, loose, gray to grayish-white, fine SAND, trace silt, little shells, sulfur odor (Marl).	Vibracore	Marl
		OL-0844-01	6.1	SM	0-9 inches: Wet, loose, light gray, fine SAND, little to some silt, little shells, sulfur odor. Rest of core: wet, soft, gray, SILT, little to some fine sand, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0844-02	2.1	ML	Wet, soft, light gray, SILT, some fine sand, sulfur odor (Marl).	Vibracore	
		OL-0844-03	3.6	ML	Wet, soft, light gray, SILT, some fine sand, trace shells, trace wood fragment, sulfur odor (Marl).	Vibracore	
		OL-0844-04	26.5	ML-SM	Wet, soft, light gray, SILT and fine Sand, little shells, sulfur odor (Marl).	Vibracore	
5		OL-0844-05	3.5	ML	Wet, soft, light gray, SILT, some fine sand, little shells, sulfur odor (Marl).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20181

Date: 07/24/2009

Weather: High 70s, Winds 5-10mph, SE-SW, T-Storms

Northing: 1119369.03

Easting: 921868.25

Mud Line: -2.5 Ft

Surface Water Depth: 2.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H.SLETTEN

Penetration Depth: 9.5

Core Recovery Depth: 6

Water Elev: 0 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0845-14	1.1	SM	0-3 inches: Wet, loose, black, fine to medium SAND, some silt, some oncolites, little vegetation, little zebra mussels; Rest of core is wet, loose, light gray, fine to medium SAND, some silt, some oncolites, trace shells, sulfur odor, (MARL).	Vibracore	Marl
		OL-0845-15	2.7	SM	Wet, loose, light gray, fine to medium SAND, some silt, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0845-16	1.6	SM	Wet, loose, light gray, fine to medium SAND, some silt, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0845-17	2.1	SM	Wet, soft, light gray, SILT, some fine to medium sand, trace oncolites, sulfur odor (MARL).	Vibracore	
		OL-0845-18	2	ML	Wet, soft, light gray, SILT, some to little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0845-19	2.6	SM	Wet, loose, light gray, fine to medium SAND, some silt, some oncolites, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20182

Date: 07/27/2009

Weather: High 80s, Winds W-SW 5-10mph, cloudy

Northing: 1119091.95

Easting: 922063.37

Mud Line: 360.6 Ft

Surface Water Depth: 2.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 6.9

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0846-13	1.1	SP	0-3 inches: Wet, loose, dark gray, fine SAND, little silt, some oncolites, some vegetation, little zebra mussels. Rest of core is wet, loose, gray, fine SAND, little silt, trace shells.	Vibracore	Marl
		OL-0846-14	1	SP	Wet, loose, light gray, fine to medium SAND, little silt, some oncolites, trace shells.	Vibracore	
		OL-0846-15	1.5	ML	Wet, loose, light gray, SILT, some fine sand, some oncolites.	Vibracore	
		OL-0846-16	1.1	ML	Wet, soft, light gray, SILT, some fine sand, some oncolites, trace shells, slight sulfur odor (MARL).	Vibracore	
		OL-0846-17	1.2	ML	Wet, soft, light gray, SILT, little fine sand, trace clay, little shells, sulfur odor (MARL).	Vibracore	
5		OL-0846-18	1.9	ML/SM	0-6 inches: Wet, soft, light gray, SILT, little fine sand, trace clay, little shells, sulfur odor (MARL) (ML); Rest of core is wet, loose, fine SAND, some silt, some oncolites, trace shells, sulfur odor (MARL) (SM).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20183

Date: 07/24/2009

Weather: High 70s, Winds 5-10mph, SE-SW, T-Storms

Northing: 1119246.85

Easting: 922137.05

Mud Line: -3.8 Ft

Surface Water Depth: 3.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7

Water Elev: 0 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0845-08	0.5	SM	Wet, loose, black (0-2 inches) to light gray, fine to medium SAND, little to some silt, some oncolites, trace organics in top 2 inches.	Vibracore	Fine-Medium Sand
		OL-0845-09	0.8	SM	Wet, loose, light gray, fine to medium SAND, some silt, some oncolites.	Vibracore	
		OL-0845-10	1.1	SM	Wet, loose, light gray, fine to medium SAND, some silt, some oncolites.	Vibracore	
		OL-0845-11	1.5	ML	Wet, loose, light gray, SILT, some fine sand grading to little fine sand, trace shells, sulfur odor, (MARL).	Vibracore	Marl
		OL-0845-12	3.5	ML	Wet, very soft, light gray, SILT, some fine sand, trace shells, sulfur odor, (MARL).	Vibracore	
5		OL-0845-13	1.5	ML	0-6 inches: Wet, soft, light gray, SILT, little fine sand, trace shells, sulfur odor (ML); Rest of core is wet, loose, fine to medium SAND, some silt, some oncolites, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20184

Date: 07/29/2009

Weather: Low 80s Winds SW 10-15mph, sunny

Northing: 1120095.97

Easting: 921342.21

Mud Line: 343.2 Ft

Surface Water Depth: 19.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9.5

Core Recovery Depth: 5.3

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, very soft, black, SILT, petroleum-like odor.		
		OL-0853-10	0.5	ML		Vibracore	
		OL-0853-11	0.8	ML	Wet, very soft, black, SILT, trace fine sand in bottom 2 inches, petroleum-like odor.	Vibracore	
		OL-0853-12	1.9	ML	Wet, very soft, black, SILT, little fine sand, petroleum-like odor.	Vibracore	
		OL-0853-13	1.6	ML	Wet, soft, black, SILT, little fine sand, 1/4 to 1/2 inch thick rock/fill pieces throughout and a 2 inch rock/fill piece from 9.5 to 11.5 inches, petroleum-like odor.	Vibracore	
		OL-0853-14	0.9	ML	Wet, soft, black, SILT, little to some fine sand, hard rock/fill pieces from 7 to 13.5 inches, petroleum-like odor.	Vibracore	
5							
5.3							

Silt



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20185

Date: 07/24/2009

Weather: High 70s, winds 5-10mph SE-SW, T-storms

Northing: 1120020.66

Easting: 921449.80

Mud Line: 340.1 Ft

Surface Water Depth: 23 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 11.5

Core Recovery Depth: 10.3

Water Elev: 363.1 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0843-10	0.5	ML	Wet, very soft, black, SILT, trace fine sand, strong petroleum-like odor.	Vibracore	Silt
		OL-0843-11	1.2	ML	0-10 inches: wet, very soft, black, SILT, little fine sand. Rest of core: wet, loose, dark gray and red-brown, fine SAND, little fine sub-angular gravel, some silt, petroleum-like odor.	Vibracore	
		OL-0843-12	0.6	ML	Wet, soft, brown, SILT, some fine angular to sub-rounded gravel, little fine-medium sand, petroleum-like odor.	Vibracore	
		OL-0843-13	0.6	ML	Wet, medium-stiff, brown, SILT, some fine angular to sub-rounded gravel, little fine to medium sand, trace scrap metal, trace shells, slight ammonia-like odor. red-brown, clay-silt-gravel seam at 2-4 inches.	Vibracore	
		OL-0843-14	1.2	ML	Wet, soft, black, SILT, little fine angular to sub-angular gravel, some fine to medium sand, trace scrap metal, petroleum-like odor.	Vibracore	
5		OL-0843-15	2.6	ML	0-9 inches is wet, soft, black, SILT, little fine sand, little organics (root matter), red-brown, silt-clay-gravel seam at 2-4 inches. Rest of core, wet, soft, dark greenish gray, SILT, trace fine sand, trace shells petroleum-like odor (Marl).	Vibracore	Marl
		OL-0843-16	1.2	ML	Wet, soft, black and dark greenish gray, SILT, little fine sand, trace fine angular gravel, trace shells, petroleum-like odor (Marl).	Vibracore	
		OL-0843-17	1.1	ML	Wet, soft, dark gray, SILT, little clay, trace fine angular to sub-angular gravel, trace fine sand, petroleum-like odor (Marl).	Vibracore	
		OL-0843-18	0.8	ML	Wet, soft, dark brown, SILT, little clay, trace fine sand, piece of wood from 4-8 inches.	Vibracore	Silt
		OL-0843-19	1.2	ML	Wet, soft, dark brown, SILT, some clay, trace fine sand, ammonia-like odor.	Vibracore	
10							
10.3							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20186

Date: 07/22/2009

Weather: Low 80s, winds 0-5 mph NW, sun and clouds

Northing: 1119964.92

Easting: 921512.44

Mud Line: 341.3 Ft

Surface Water Depth: 21.9 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9

Core Recovery Depth: 6

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0838-02	0.3	ML	Wet, very soft, black, SILT, little fine sand, gravel and fine sand in bottom 2 inches, petroleum-like odor.	Vibracore	Silt
		OL-0838-03	0.8	ML	Wet, medium-stiff, brown, SILT, little to some fine sand, trace clay, little fine angular to sub-angular gravel, slight petroleum-like odor.	Vibracore	
		OL-0838-04	2.2	ML	0-7 inches is wet, soft, brown, SILT, little fine sand, trace clay, little fine angular to sub-angular gravel. Rest of core is wet, soft, black, SILT, little fine sand, trace fine angular to sub-angular gravel, petroleum-like odor (ML).	Vibracore	
		OL-0838-05	0.7	SM	0-6 inches is wet, loose, black, fine to medium SAND, little to some silt, little fine angular gravel, trace scrap metal, petroleum-like odor (SM). Rest of core is wet, loose, grayish-brown, fine to medium SAND, little shells, slight petroleum-like odor and sulfur odor, (SW).	Vibracore	
		OL-0838-06	0.7	ML	0-5 inches is wet, loose, dark gray, fine to medium SAND, little silt, little shells, sulfur odor, scrap metal at 1-2 inches. Rest of core is wet, soft, dark greenish gray, SILT, little fine sand, trace clay, little shells, sulfur odor (Marl).	Vibracore	
5		OL-0838-07	2	ML	Wet, soft, dark greenish gray, SILT, some fine sand, little clay, black band from 5-6 inches, little shells, sulfur odor (Marl).	Vibracore	Marl
6.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20187

Date: 08/28/2009

Weather: High 60s, Winds NE 5-10mph, mix sun&amp;clouds

# Honeywell

Northing: 1120099.53

Easting: 921199.26

Mud Line: 359.03 Ft

Surface Water Depth: 4.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 9.70

Water Elev: NA

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1018-01	0.1	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace fine gravel, trace organics, organic odor.	Vibracore	Silt
		OL-1018-02	0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace fine gravel, trace organics, organic odor.	Vibracore	
		OL-1018-03	0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace fine gravel, trace organics, organic odor.	Vibracore	
		OL-1018-04	0	ML	Wet, very soft, dark gray, SILT, trace fine sand, trace fine gravel, trace organics, organic odor.	Vibracore	
		OL-1018-05	0	SOLW	Wet, very soft, dark gray, silt-like grains, trace fine sand, slight mothball and petroleum-like odors.	Vibracore	Solvay Waste
		OL-1018-06	0	SOLW	Wet, very soft, dark gray, silt-like grains, trace fine sand, slight mothball and petroleum-like odors.	Vibracore	
		OL-1018-07	0.1	ML	Wet, very soft, gray and black, SILT, trace fine sand, trace organics, organic odor.	Vibracore	Silt
		OL-1018-08	0.2	ML	Wet, very soft, dark gray and black, SILT, trace fine sand, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-1018-09	0.2	ML	Wet, very soft, dark gray and black, SILT, trace fine sand, cemented chunks less than 0.5 inches in diameter throughout, petroleum-like odor.	Vibracore	
		OL-1018-10	0.1	ML	Wet, very soft, dark gray and black, SILT, trace fine sand, trace organics, cemented chunks less than 0.5 inches in diameter throughout, petroleum-like odor.	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20187

Date: 08/28/2009

Weather: High 60s, Winds NE 5-10mph, mix sun&amp;clouds

Northing: 1120099.53

Easting: 921199.26

Mud Line: 359.03 Ft

Surface Water Depth: 4.0 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 9.70

Water Elev: NA

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1018-11	0.2	ML	Wet, very soft, dark gray and black, SILT, trace fine to medium sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-1018-12	0.3	ML	Wet, very soft, dark gray and black, SILT, trace fine to medium sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1018-13	0.2	ML	Wet, very soft, dark gray, SILT, trace fine sand, little clay, trace organics, petroleum-like odor.	Vibracore	Silt and Clay
		OL-1018-14	0.3	ML	Moist, soft, black and dark gray, SILT and Clay, strong petroleum-like odor.	Vibracore	
9.7							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20188

Date: 08/19/2009

Weather: Low 80s, Winds N-NW 5-10mph, sun&amp;clouds

Northing: 1119763.28

Easting: 921414.56

Mud Line: 360.73 ft

Surface Water Depth: 2.2 ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.5

Core Recovery Depth: 10.0

Water Elev: NA

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0899-01		ML	Wet, very soft, black, SILT, some fine to medium sand, little organics, petroleum-like odor.	Vibracore	Silt
		OL-0899-02		ML	Wet, very soft, black, SILT, trace fine gravel, trace fine to medium sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0899-03		ML	Wet, very soft, black, SILT, trace fine gravel, trace fine to medium sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0899-04		ML	Wet, very soft, black, SILT, trace fine gravel, trace fine to medium sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0899-05		SW	Wet, very loose, black, fine to medium SAND, trace silt, trace organics, trace shells, petroleum-like odor.	Vibracore	Sand
		OL-0899-06		SW	Wet, very loose, black, fine to medium SAND, trace silt, trace organics, trace shells, petroleum-like odor.	Vibracore	
		OL-0899-07		ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0899-08		ML	Wet, very soft, black, SILT, trace fine gravel, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
							Marl
		OL-0899-09		SW	Wet, very loose, green-grey, fine to medium SAND, trace silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0899-10		ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace oncolites, trace shells, sulfur odor (MARL).	Vibracore	
5							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20188

Date: 08/19/2009

Weather: Low 80s, Winds N-NW 5-10mph, sun&amp;clouds

# Honeywell

Northing: 1119763.28

Easting: 921414.56

Mud Line: 360.73 ft

Surface Water Depth: 2.2 ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.5

Core Recovery Depth: 10.0

Water Elev: NA

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-0899-11		SW	Wet, very loose, light brown, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	Marl
		OL-0899-12		ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0899-13		ML	Wet, very soft, light brown, SILT, trace fine sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0899-14		ML	Wet, very soft, light brown, SILT, little fine to medium sand, little shells, sulfur odor (MARL).	Vibracore	

9.5

Note: PID not functioning due to moisture content in the air.



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20189

Date: 08/20/2009

Weather: High 80s S-SE 5-15mph, mix sun&amp;clouds

Northing: 1119871.37

Easting: 921517.04

Mud Line: 347.83 ft

Surface Water Depth: 15.1 ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 15.0

Core Recovery Depth: 11.9

Water Elev: NA

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1001-01		SM	Wet, very loose, black, fine to medium SAND, some silt, petroleum-like odor.	Vibracore	Sand
		OL-1001-02		SM	Wet, very loose, black to dark grey, fine to medium SAND, some silt, little shells, trace oncolites, slight petroleum-like odor (MARL).	Vibracore	Marl
		OL-1001-03		SM	Wet, very loose, black to dark grey, fine to medium SAND, some silt, little shells, slight petroleum-like odor (MARL).	Vibracore	
		OL-1001-04		SM	Wet, very loose, grey, fine SAND, some silt, little shells, sulfur odor (MARL).	Vibracore	
		OL-1001-05		SM	Wet, very loose, grey, fine SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1001-06		SM	Wet, very loose, grey, fine SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1001-07		SM	Wet, very loose, grey, fine SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1001-08		SM	Wet, very soft, light grey, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1001-09		SM	Wet, very soft, light grey, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1001-10		SM	Wet, very soft, light grey, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
5							

# Honeywell

Northing: 1119871.37

Easting: 921517.04

Mud Line: 347.83 ft

Surface Water Depth: 15.1 ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 15.0

Core Recovery Depth: 11.9

Water Elev: NA

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1001-11		SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1001-12		SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1001-13		SM	Wet, very soft, grey, SILT, some fine sand, trace shells, trace oncolites, sulfur odor (MARL).	Vibracore	
		OL-1001-14		SM	Wet, very soft, grey, SILT, some fine sand, some shells, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20190

Date: 08/28/2009

Weather: High 60s, Winds NE 5-10mph, mix sun&amp;clouds

Northing: 1120179.92

Easting: 921319.07

Mud Line: 344.2 Ft

Surface Water Depth: 18.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.00

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-1018-15	0.3	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-1018-16	0.4	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1018-17	0.4	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1018-18	0.4	ML	Wet, very soft, black, SILT, trace fine to medium sand, petroleum-like odor.	Vibracore	
		OL-1018-19	0.3	SOLW	Wet, very soft, gray and dark gray, silt-like grains, trace fine sand, mothball and petroleum-like odor.	Vibracore	Solvay Waste
		OL-1018-20	0.4	SOLW	Wet, very soft, gray and dark gray, silt-like grains, trace fine sand, mothball and petroleum-like odor.	Vibracore	
		OL-1019-01	0.4	SOLW	Wet, very soft, gray and dark gray, silt-like grains, trace fine sand, mothball and petroleum-like odor.	Vibracore	
		OL-1019-02	0.3	SOLW	Wet, very soft, dark gray and grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1019-03	0.4	SOLW	Wet, soft, grayish-white, silt-like grains, cementation throughout, mothball odor.	Vibracore	
		OL-1019-04	0.5	SOLW	Wet, soft, grayish-white, silt-like grains, cementation throughout, mothball odor.	Vibracore	
5							

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20190

Date: 08/28/2009

Weather: High 60s, Winds NE 5-10mph, mix sun&amp;clouds

Northing: 1120179.92

Easting: 921319.07

Mud Line: 344.2 Ft

Surface Water Depth: 18.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.00

Water Elev: 363 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1019-05	0.3	SOLW	Wet, soft, grayish-white, silt-like grains, cementation throughout, mothball odor.	Vibracore	Solvay Waste
		OL-1019-06	0.4	SOLW	Wet, very soft, greenish-white and grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1019-07	0.4	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
		OL-1019-08	0.6	SOLW	Wet, soft, grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
10.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20195

Date: 09/22/2009

Weather: Low 70s, mostly cloudy, Winds S 5-10mph

Northing: 1119831.79

Easting: 921650.80

Mud Line: 338.1 Ft

Surface Water Depth: 24.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.30

Core Recovery Depth: 6.20

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-1023-01	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	Silt
		OL-1023-02	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	
		OL-1023-03	0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1023-04	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, sulfur odor.	Vibracore	
		OL-1023-05	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, sulfur odor.	Vibracore	
4.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20196

Date: 09/22/2009

Weather: Low 70s, mostly cloudy, Winds S 5-10mph

Northing: 1119707.55

Easting: 921786.20

Mud Line: 339.3 Ft

Surface Water Depth: 23 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 4.40

Water Elev: 362.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1024-02	0	SM	Wet, loose, dark gray, fine SAND, trace medium sand, trace shells, little silt.	Vibracore	Silt
		OL-1024-03	0	ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1024-04	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-1024-05	0.1	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1024-07	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, strong petroleum-like odor, bottom 0.25 inches is fine SAND, some silt, trace shells (MARL).	Vibracore	
4.0							Marl



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20197

Date: 09/22/2009

Weather: Low 70s, mostly cloudy, Winds S 5-10mph

Northing: 1119799.63

Easting: 921801.83

Mud Line: 334.38 Ft

Surface Water Depth: 28 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.00

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-1023-06	0	ML	Wet, very soft, dark gray to black, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	Silt
		OL-1023-07	0	ML	Wet, very soft, dark gray to black, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	
		OL-1023-08	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, slight petroleum-like odor, rainbow sheen.	Vibracore	
		OL-1023-09	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, slight petroleum-like odor, rainbow sheen.	Vibracore	
		OL-1023-10	0	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor, bottom 0.25 inches is grey-white.	Vibracore	
4.0							

# Honeywell

**Weather:** Mid 70s, mostly sunny, wind SNW 10 mph

Depth Units: Ft

[illegible]

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date:** 09/01/2009

**Weather: Mid 70s, mostly sunny, wind SNW 10 mph**

Easting: 918176.52

**Mud Line: 360.66 Ft**

**Surface Water Depth: 2 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: Parsons**

Borehole Geologist: SD

Rig Type: CME75

**Total Depth: 20.0 Ft**

Water Elevation: 362.66

Depth Units: Ft

[illegible]

# Honeywell

**Weather:** Mid 70s, mostly sunny, winds NW 10 mph

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0							Wet, very soft, whitish green grading to white, silt-like grains, two 1/8 in. crust layers, slight odor.		
			WOR-WOR-WOR-WOR	0	0	SOLW		2SS-140H	
			WOR-WOR-WOR-WOR	0	0	SOLW	Wet, very soft, white, silt-like grains, 3 in. band of greenish silt-like grains from 12 to 15 in.	2SS-140H	
			WOR-WOR-WOR-WOR	0	0	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	
5			WOR-WOR-WOR-WOR	0	0	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	Solvay Waste
			WOR-WOR-WOR-WOR	0	0	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	
			WOR-WOR-WOR-WOR	0	0	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	
10			WOR-WOR-WOR-WOR	0	0	SOLW	Wet, very soft, white, silt-like grains.	2SS-140H	



Northing: 1124172.91

Easting: 918343.34

**Mud Line: 360.66 Ft**

**Surface Water Depth: 2 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: Parsons**

Borehole Geologist: SD

Rig Type: CME75

**Total Depth: 20.0 Ft**

Water Elevation: 362.66

Depth Units: Ft

[illegible]

# Honeywell

**Weather:** High 60s, sun & clouds, winds NNW 5-10 mph

Depth Units: Ft

[illegible]



# Honeywell

Site: Onondaga Lake (Syracuse NY)

Start/End Date: 08/31/2009

**Weather:** High 60s, sun & clouds, winds NNW 5-10 mph

**Easting: 919175.59**

**Mud Line: 360.51 Ft**

**Surface Water Depth: 2 Ft**

**Driller: Mark Childs**

**Borehole Logging Company: Parsons**

Borehole Geologist: SD

Rig Type: CME75

**Total Depth: 20.0 Ft**

Water Elevation: 362.51

Depth Units: Ft

[illegible]

# Honeywell

**Weather:** High 60s, sun & clouds, winds NNW 5-10 mph

Depth Units: Ft

[illegible]

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-30143**

**Start/End Date: 08/31/2009**

**Weather: High 60s, sun & clouds, winds NNW 5-10 mph**



Northings: 1123270.81

Easting: 919542.40

**Mud Line: 358.51 Ft**

**Surface Water Depth: 4 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: Parsons**

Borehole Geologist: SD

Rig Type: CME75

**Total Depth: 20.0 Ft**

Water Elevation: 362.51

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30096

Date: 08/13/2009

Weather: Mid 80s. Winds 5-10mph NNE. Mix Sun/Clouds.

Northing: 1126666.26

Easting: 916928.77

Mud Line: 346.3 Ft

Surface Water Depth: 17.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 8

Core Recovery Depth: 6.8

Water Elev: 363.8 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0887-10	0	ML	Wet, very soft, black, SILT, trace fine to medium sand, trace shells, trace organics, petroleum-like odor (MARL).	Vibracore	
		OL-0887-11	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0887-12	0	ML	Wet, very soft black SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-0887-13	0	ML	Wet, very soft, black, SILT, trace fine sand, trace shells, trace organics (MARL).	Vibracore	Marl
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30097

Date: 08/13/2009

Weather: Mid 80s. Winds 5-10mph NNE. Mix Sun/Cloud.

Northing: 1126715.04

Easting: 917265.08

Mud Line: 340.7 Ft

Surface Water Depth: 23.1 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7.5

Core Recovery Depth: 6.6

Water Elev: 363.8 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0887-14	0	ML	Wet, very soft, black and brown, SILT, trace fine sand, trace organics.	Vibracore	Silt
		OL-0887-15	0	ML	Wet, very soft, black and brown, SILT, trace fine sand, trace organics.	Vibracore	
		OL-0887-16	0	ML	Wet, very soft, black and brown, SILT, trace fine sand, trace organics, trace clay.	Vibracore	
		OL-0887-17	0	ML	Wet, very soft, black and brown, SILT, trace fine sand, trace organics, trace clay.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30098

Date: 07/23/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1126722.99

Easting: 917611.19

Mud Line: 335 Ft

Surface Water Depth: 28.1 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 7

Core Recovery Depth: 5.8

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0840-17	0	ML	Wet, soft, dark greyish-brown, SILT, slight sulfur odor.	Vibracore	Silt
		OL-0840-18	0	ML	Wet, soft, dark greyish-brown and black, SILT, petroleum-like odor.	Vibracore	
		OL-0840-19	0	ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-0840-20	0	ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
4.0							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30098-A

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds S-SE 10-20 mph

Northing: 1126724.24

Easting: 917608.17

Mud Line: 335 Ft

Surface Water Depth: 28.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 3.10

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1031-02	0	ML	Wet, very soft gray-brown SILT, trace fine sand.	Vibracore	Silt
		OL-1031-03	0	ML	Wet, very soft, brown, SILT, trace fine sand.	Vibracore	
1.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30099

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds SW 10-15mph

Northing: 1125000.54

Easting: 918249.62

Mud Line: 347.8 Ft

Surface Water Depth: 15.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 6

Water Elev: 363.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0865-10	0	SOLW	Wet, very soft, greenish-gray, silt-like grains, zebra mussels on top, slight mothball odor.	Vibracore	Solvay Waste
		OL-0865-11	0	SOLW	0-2 inches: Wet, very soft, greenish-gray, silt-like grains, zebra mussels on top, slight mothball odor. Rest of core is wet, very soft, white, silt-like grains, slight mothball odor.	Vibracore	
		OL-0865-12	0.1	SOLW	Wet, very soft, dark gray, silt-like grains, cemented chunks throughout, slight mothball odor.	Vibracore	
		OL-0865-13	0.1	SOLW	0-3 inches: Wet, very soft, dark gray, silt-like grains, cemented chunks throughout, slight mothball odor. Rest of core is wet, very soft, white, silt-like grains, slight mothball odor.	Vibracore	
		OL-0865-14	0.4	SOLW	Wet, very soft, white, silt-like grains, slight mothball odor.	Vibracore	
5		OL-0865-15	0.2	SOLW	Wet, very soft, white, silt-like grains, slight mothball odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30100

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds SW 10-15mph

Northing: 1124813.78

Easting: 918190.14

Mud Line: 352.3 Ft

Surface Water Depth: 11 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 7.3

Water Elev: 363.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0865-16	0	SOLW	Wet, very soft, white, silt-like grains, little gray fine to medium sand from 0-5 inches, slight mothball odor.	Vibracore	Solvay Waste
		OL-0865-17	0.4	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-0865-18	0.4	SOLW	Wet, very soft, white and light green, silt-like grains, mothball odor.	Vibracore	
		OL-0865-19	0.9	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-0865-20	0.6	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
5		OL-0866-01	0.9	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30101

Date: 08/05/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1124710.98

Easting: 918328.76

Mud Line: 349.1 Ft

Surface Water Depth: 14.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 8.5

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0868-01	0.8	SOLW	Wet, very soft, greenish-white, silt-like grains, slight mothball odor.	Vibracore	Solvay Waste
		OL-0868-02	2.8	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0868-03	0.9	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-0868-04	0.8	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-0868-05	0.4	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
5		OL-0868-06	0.8	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30102

Date: 08/05/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1124901.59

Easting: 918476.24

Mud Line: 340.9 Ft

Surface Water Depth: 22.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 7.4

Water Elev: 363.4 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0866-02	0	SOLW	Wet, very soft, greenish-gray to grayish-white, silt-like grains.	Vibracore	Solvay Waste
		OL-0866-03	0.6	SOLW	Wet, very soft, grayish-white, silt-like grains.	Vibracore	
		OL-0866-04	0.4	SOLW	Wet, very soft, gray to dark gray, silt-like grains, slight mothball odor.	Vibracore	
		OL-0866-06	0	SOLW	Wet, very soft, grayish-white to dark gray, silt-like grains, slight mothball odor.	Vibracore	
		OL-0866-07	0.1	SOLW	Wet, very soft, dark gray to grayish-white, silt-like grains, cemented chunks throughout.	Vibracore	
5		OL-0866-08	2.1	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball-like odor.	Vibracore	
6.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30103

Date: 08/05/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1124736.57

Easting: 918490.63

Mud Line: 341.9 Ft

Surface Water Depth: 21.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 9

Core Recovery Depth: 7.7

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0866-15	0.1	ML	Wet, very soft, green-brown, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0866-16	0.5	ML	0-8 inches: Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor (ML); Rest of core is wet, very soft, dark gray, silt-like grains, mothball odor (SOLW).	Vibracore	
		OL-0866-17	0.5	SOLW	Wet, very soft, black and gray, silt-like grains, cemented chunks throughout, petroleum-like odor, mothball odor.	Vibracore	Solvay Waste
		OL-0866-18	0.8	SOLW	0-1 inch: Wet, very soft, black and gray to grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0866-19	1.7	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
5		OL-0866-20	1.3	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
6.0							



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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30104

Date: 08/05/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1124845.28

Easting: 918608.64

Mud Line: 336.2 Ft

Surface Water Depth: 27.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 8

Core Recovery Depth: 6.9

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0866-09	0	ML	Wet, very soft, green-brown, SILT, trace fine sand.	Vibracore	Silt
		OL-0866-10	0.1	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0866-11	0.1	ML	0-7 inches: Wet, very soft, black, SILT, trace fine sand, petroleum-like odor (ML); Rest of core is wet, very soft, light to dark gray, silt-like grains, cemented chunks throughout (SOLW).	Vibracore	
		OL-0866-12	1.9	SOLW	Wet, very soft, black and grayish-white, silt-like grains, slight mothball odor.	Vibracore	Solvay Waste
		OL-0866-13	2.4	SOLW	Wet, very soft, white to grayish-white, silt-like grains, mothball odor.	Vibracore	
5		OL-0866-14	2.7	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
6.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30105

Date: 07/23/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1124567.47

Easting: 918583.69

Mud Line: 341.3 Ft

Surface Water Depth: 21.9 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.7

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0840-06	0	ML	Wet, very soft, dark brown, SILT, trace organic in bottom 3 inches (twig), petroleum-like odor.	Vibracore	Silt
		OL-0840-07	0	SOLW	Wet, soft, dark brown to greenish-blue, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-0840-08	0	SOLW	Wet, soft, greenish-blue to dark grey, silt-like grains, 1/8 inch thick chunks in bottom 6 inches, mothball odor.	Vibracore	
		OL-0840-09	0	SOLW	Wet, very soft, dark grey to greyish-green, silt-like grains, 1/8 inch thick chunks in top 4 inches, mothball odor.	Vibracore	
		OL-0840-10	0	SOLW	Wet, soft, grey and light green, silt-like grains, trace fine sands, mothball odor.	Vibracore	
5		OL-0840-12	0	SOLW	Wet, soft, greyish-white to dark grey, silt-like grains, mothball odor.	Vibracore	
6.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30105-A

Date: 09/25/2009

Weather: Mid 60s, mostly sunny, Winds NE 10-15mph

Northing: 1124563.90

Easting: 918583.07

Mud Line: 341.1 Ft

Surface Water Depth: 22 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 2.70

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1029-14	0	ML	Wet, very soft, dark brown, SILT, trace fine sand.	Vibracore	Silt
1.0		OL-1029-15	0	ML	Wet, very soft, dark brown, SILT, trace fine sand.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30106

Date: 07/23/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1124546.35

Easting: 918714.68

Mud Line: 338.3 Ft

Surface Water Depth: 24.9 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.5

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0839-20	0	ML	Wet, very soft, dark brown, SILT, slight petroleum-like odor.	Vibracore	Silt
		OL-0840-01	0	SOLW	Wet, very soft, black to greenish-blue, SILT and silt-like grains, trace fine sand, slight petroleum-like and mothball odor (ML/SOLW).	Vibracore	SOLW
		OL-0840-02	0	SOLW	Wet, very soft, light greyish-blue, silt-like grains, mothball odor.	Vibracore	
		OL-0840-03	0	SOLW	Wet, very soft, grey and greyish-green, silt-like grains, mothball odor.	Vibracore	
		OL-0840-04	0	SOLW	Wet, very soft, light greyish-green to dark grey, silt-like grains, trace fine sand in bottom 4 inches, mothball odor.	Vibracore	
5		OL-0840-05	0	SOLW	Wet, soft, dark-grey to light green, silt-like grains, mothball odor.	Vibracore	
6.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30106-A

Date: 09/25/2009

Weather: Mid 60s, mostly sunny, Winds NE 10-15mph

Northing: 1124542.57

Easting: 918715.81

Mud Line: 338.1 Ft

Surface Water Depth: 25 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 1.70

Water Elev: 363.1 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1029-16	0	ML	Wet, very soft, dark brown, SILT, trace fine sand.	Vibracore	
		OL-1029-17	0	ML	Wet, very soft, dark brown, SILT, trace fine sand.	Vibracore	Silt
1.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30107

Date: 07/22/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1124503.37

Easting: 918844.13

Mud Line: 337 Ft

Surface Water Depth: 26.2 Ft

Driller: QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9.8

Core Recovery Depth: 7.7

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0839-01	0	ML	Wet, soft, dark grey-brown, SILT, petroleum-like odor.	Vibracore	Silt
		OL-0839-02	0.7	ML	Wet, very soft, black to grey-green, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0839-04	0	SOLW	Wet, very soft, light greyish-green, SILT and silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-0839-05	0	SOLW	Wet, very soft, greyish-green to greyish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0839-06	0	SOLW	Wet, medium stiff to soft, greyish white to greyish green, silt-like grains, mothball odor.	Vibracore	
5		OL-0839-07	0	SOLW	Wet, soft, light green to greyish-white, silt-like grains, mothball odor.	Vibracore	
6.0							



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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30107-A

Date: 09/25/2009

Weather: Mid 60s, mostly sunny, Winds NE 10-15mph

Northing: 1124504.24

Easting: 918842.95

Mud Line: 336.9 Ft

Surface Water Depth: 26.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.50

Core Recovery Depth: 2.60

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1029-12	0	ML	Wet, very soft, dark brown, SILT, trace organics.	Vibracore	Silt
1.0		OL-1029-13	0	ML	Wet, very soft, dark brown, SILT, trace organics.	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30108

Date: 08/03/2009

Weather: Low 80s, mostly sunny, Winds S-SW 5-10mph

Northing: 1124290.88

Easting: 918194.12

Mud Line: 361.1 Ft

Surface Water Depth: 2.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10

Core Recovery Depth: 9.2

Water Elev: 363.2 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0860-07	0.3	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, zebra mussels on top, mothball odor.	Vibracore	Solvay Waste
		OL-0860-08	1.8	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
		OL-0860-09	0.8	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
		OL-0860-11	0.3	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
		OL-0860-12	1	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
5		OL-0860-13	0.5	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
		OL-0860-14	1	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
		OL-0860-15	0.9	SOLW	Wet, very soft, grayish-white, silt-like grains, cementations throughout, mothball odor.	Vibracore	
8.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30109

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds SW 10-15mph

Northing: 1124293.61

Easting: 918305.28

Mud Line: 358.9 Ft

Surface Water Depth: 4.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10

Core Recovery Depth: 8.7

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0865-01	0	SOLW	Wet, very soft, gray and grayish-white, silt-like grains, zebra mussels on top, mothball odor.	Vibracore	Solvay Waste
		OL-0865-02	0	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
		OL-0865-03	0	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
		OL-0865-05	1.4	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
		OL-0865-06	0.9	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
5		OL-0865-07	0.4	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
		OL-0865-08	0.7	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
		OL-0865-09	1.1	SOLW	Wet, very soft, white, silt-like grains.	Vibracore	
8.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30110

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds SW 10-15mph

Northing: 1124163.33

Easting: 918363.35

Mud Line: 361 Ft

Surface Water Depth: 2.4 Ft

Driller: PARSONS

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10

Core Recovery Depth: 8.2

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0863-16	1.4	SOLW	Wet, very soft, white and light grey, silt-like grains, trace organics, mothball odor.	Vibracore	Solvay Waste
		OL-0863-17	0.2	SOLW	Wet, very soft, white and light grey, silt-like grains, trace organics, mothball odor.	Vibracore	
		OL-0863-18	2.6	SOLW	Wet, very soft, white to light gray in bottom 2 inches, silt-like grains, mothball odor.	Vibracore	
		OL-0863-19	1.2	SOLW	Wet, very soft, white and light grey, silt-like grains, mothball odor.	Vibracore	
		OL-0863-20	1.7	SOLW	0-3 in: wet, very soft, black, silt-like grains, mothball odor. Rest of core is wet, very soft, white and light gray, silt-like grains, mothball odor.	Vibracore	
5		OL-0864-01	3.5	SOLW	Wet, very soft, white and light grey, silt-like grains, mothball odor.	Vibracore	
		OL-0864-02	3.1	SOLW	Wet, very soft, white and light gray, silt-like grains, mothball odor.	Vibracore	
		OL-0864-03	2.2	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
8.2							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30111

Date: 08/06/2009

Weather: Mid 70s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1124189.81

Easting: 918139.01

Mud Line: 361.9 Ft

Surface Water Depth: 1.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 7.1

Water Elev: 363.2 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0871-14	2.4	SOLW	0-6 inches: Wet, very soft, gray, silt-like grains, trace organics, trace fine gravel, mothball odor (SOLW); Rest of core is wet, very soft, black, SILT, trace organics, sewage-like odor (ML).	Vibracore	Solvay Waste
		OL-0871-15	45	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace organics, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0871-16	64	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0871-17	70.2	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0871-18	17.4	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5		OL-0871-19	13.8	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0871-20	9.9	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
7.1							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30112

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1124163.05

Easting: 918232.50

Mud Line: 362.1 Ft

Surface Water Depth: 1.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10

Core Recovery Depth: 7.7

Water Elev: 363.4 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0862-20	0	SOLW	Wet, soft, green to greenish-grey, silt-like grains, some cementations, mothball odor.	Vibracore	Solvay Waste
		OL-0863-01	0.3	SOLW	0-9 in: wet, very soft, black, silt-like grains, mothball odor, trace organics, (SOLW). 9-10 in: wet, very loose, dark grey and brown, fine to medium SAND, trace shells, trace organics, (MARL). Bottom 2 inches is wet, very loose, light brown, fine to medium SAND, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0863-02	166	SW	Wet, very loose, light brown, fine to coarse SAND, trace silt, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	Marl
		OL-0863-03	48	ML-SM	Wet, very soft, light brown, SILT and fine Sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0863-04	25.9	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, sulfur odor, (MARL).	Vibracore	
5		OL-0863-05	54.8	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0863-06	59.8	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
7.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30113

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds SW 10-15mph

Northing: 1124109.15

Easting: 918308.65

Mud Line: 362.1 Ft

Surface Water Depth: 1.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10

Core Recovery Depth: 8.9

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0863-07	6.7	SOLW	Wet, very soft, dark green, silt-like grains, mothball odor, some cementations.	Vibracore	Solvay Waste
		OL-0863-08	243.1	ML	0-7 in: wet, very soft, black, SILT, trace organics, organic odor. 7-10 in: wet, very loose, dark grey, fine to medium SAND, trace shells, trace organics, (MARL). Bottom 2 inches is wet, very loose, light brown, fine to medium SAND, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0863-09	59.2	SW	Moist, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0863-10	18.3	SW	Moist, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0863-11	13.8	SW	Moist, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor, (MARL).	Vibracore	
5		OL-0863-13	12.9	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0863-14	65.2	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0863-15	15.3	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30114

Date: 07/22/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1123830.57

Easting: 919335.81

Mud Line: 338.2 Ft

Surface Water Depth: 25 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.7

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0839-14	0	ML	Wet, soft, dark brown, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
		OL-0839-15	0	ML	Wet, soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-0839-16	0.1	SOLW	Wet, soft, black to greyish-green, silt-like grains, mothball odor.	Vibracore	SOLW
		OL-0839-17	0	SOLW	Wet, soft, light green, silt-like grains, mothball odor.	Vibracore	
		OL-0839-18	0	SOLW	Wet, medium-stiff, light green to greyish-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
5		OL-0839-19	0	SOLW	Wet, medium-stiff, light green, silt-like grains, mothball odor.	Vibracore	
6.0							

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30114-A

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds S-SE 10-20 mph

Northing: 1123832.38

Easting: 919329.62

Mud Line: 338.5 Ft

Surface Water Depth: 24.6 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 1.60

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1031-04	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
1.0		OL-1031-05	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30115

Date: 07/30/2009

Weather: Low 80s, Winds W-NW 5-10mph, sun &amp; clouds

Northing: 1123571.07

Easting: 919534.10

Mud Line: 338.4 Ft

Surface Water Depth: 24.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 10

Core Recovery Depth: 6.4

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0857-04	0.7	ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
		OL-0857-05	0.6	ML	Wet, very soft, black, SILT, trace slag, trace fine sand, petroleum-like odor.	Vibracore	
		OL-0857-07	0.7	SOLW	Wet, very soft, gray to dark gray, silt-like grains, some solvay chunks less than 1/8 inch thick throughout, mothball-like odor.	Vibracore	Solvay Waste
		OL-0857-08	0.6	SOLW	Wet, very soft, dark gray to olive green, silt-like grains, some small chunks 0.5 inches thick or smaller, mothball odor.	Vibracore	
		OL-0857-09	2.2	SOLW	Wet, very soft, gray to olive green, silt-like grains, some chunks, mothball odor.	Vibracore	
5		OL-0857-10	0.9	SOLW	Wet, very soft, light gray to olive gray, silt-like grains, some chunks 0.5 inches thick or smaller, mothball odor.	Vibracore	
6.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30116

Date: 07/30/2009

Weather: Low 80s, Winds W-SW 5-10mph, sun &amp; clouds

Northing: 1123358.19

Easting: 919729.63

Mud Line: 337.8 Ft

Surface Water Depth: 25.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 10

Core Recovery Depth: 6.5

Water Elev: 363.1 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0857-11	28	ML	Wet, very soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0857-12	3.9	ML	Wet, very soft, black, SILT, last four inches transitioning to silt-like grains, some small chunks 0.5 inches thick or smaller, petroleum-like odor.	Vibracore	
		OL-0857-13	4.7	SOLW	Wet, very soft, light gray to black, silt-like grains, some small chunks 0.5 inches thick or smaller, mothball odor.	Vibracore	Solvay Waste
		OL-0857-14	3.8	SOLW	Wet, very soft, black to dark gray, silt-like grains, some small chunks 0.5 inch thick or smaller, mothball-like odor.	Vibracore	
		OL-0857-15	3.9	SOLW	Wet, very soft, black to dark gray, silt-like grains, trace fine sand, mothball-like odor.	Vibracore	
5		OL-0857-16	3.7	SOLW	Wet, very soft, black to dark gray, silt-like grains, trace fine sand, trace chunks 0.5 inch thick or smaller, mothball-like odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30117

Date: 07/22/2009

Weather: Low 80s, winds 0-5 mph NW, mix sun &amp; clouds

Northing: 1123121.83

Easting: 920052.96

Mud Line: 336.5 Ft

Surface Water Depth: 26.7 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9.5

Core Recovery Depth: 9.5

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0837-01	0.3	SOLW	Wet, very soft, black, SILT, trace fine sand, 10-12 inches bluish-green silt-like grains, slight sulfur and mothball odor.	Vibracore	Silt
		OL-0837-02	0.3	SOLW	Wet, soft, greyish-blue to greyish-white, silt-like grains, 1 inch chunks from 0-4 inches and 6-8 inches, mothball odor.	Vibracore	Solvay Waste
		OL-0837-03	1.1	SOLW	Wet, soft, greyish-white, silt-like grains, 1 inch chunk from 10-11 inches, mothball odor.	Vibracore	
		OL-0837-04	1	SOLW	Wet, soft, greyish-white, silt-like grains, 1 inch chunks from 0-3 inches and 5-6 inches, mothball odor.	Vibracore	
		OL-0837-05	0.5	SOLW	Wet, very soft, greyish-white, silt-like grains, mothball odor.	Vibracore	
5		OL-0837-06	0.4	SOLW	Wet, soft, greyish-white to green to greyish-white, silt-like grains, mothball odor.	Vibracore	
6.0							



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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30117-A

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds S-SE 10-20 mph

Northing: 1123121.94

Easting: 920053.61

Mud Line: 336.1 Ft

Surface Water Depth: 27 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 4.00

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1031-06	0	ML	Wet, very soft, dark gray-brown, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-1031-07	0	ML	Wet, very soft, dark gray-brown, SILT, trace fine sand, petroleum-like odor.	Vibracore	
1.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30118

Date: 07/22/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1123681.48

Easting: 919329.56

Mud Line: 346.8 Ft

Surface Water Depth: 16.4 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 8

Core Recovery Depth: 6.7

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, soft, black, SILT, little fine sand, petroleum-like odor.		
		OL-0839-08	0.1	ML		Vibracore	Silt
		OL-0839-09	0.1	SOLW	Wet, soft, dark grey to light green, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-0839-10	0.3	SOLW	Wet, medium stiff, greyish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-0839-11	0.1	SOLW	Wet, medium-stiff to stiff, greyish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0839-12	0.1	SOLW	Wet, stiff to medium-stiff, greyish white, silt-like grains, mothball odor.	Vibracore	
5		OL-0839-13	0.1	SOLW	Wet, stiff to very soft, greyish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30118-A

Date: 09/25/2009

Weather: Mid 60s, mostly sunny, Winds NE 10-15mph

Northing: 1123680.60

Easting: 919328.36

Mud Line: 346.6 Ft

Surface Water Depth: 16.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.50

Core Recovery Depth: 4.30

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1029-18	0	SOLW	Wet, very soft, black, silt-like grains, some small solw chunks less than 0.25 inches in diameter, trace organics, mothball odor.	Vibracore	
		OL-1029-19	0	SOLW	Wet, very soft, blue-gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
1.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30119

Date: 07/30/2009

Weather: Low 80s, Winds N-NW 5-10mph, sun&amp;clouds

Northing: 1123379.27

Easting: 919533.10

Mud Line: 346.3 Ft

Surface Water Depth: 16.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 10

Core Recovery Depth: 6.3

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, loose, black, fine SAND, some silt, petroleum-like odor.		
		OL-0856-18	47.8	SM		Vibracore	Fine Sand
		OL-0856-19	28.8	ML	Wet, very soft, black, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	Silt
		OL-0856-20	38.6	SM	0-5 inches: Wet, very soft, black, SILT, trace fine sand, petroleum-like odor (ML); Rest of core is wet, loose, black, fine SAND, some silt, trace shell, petroleum-like odor (SM).	Vibracore	Sand + Silt
		OL-0857-01	13.9	ML	0-2 inches: Wet, loose, black, fine SAND, some silt, trace shell, sulfur odor (SM); Rest of core is wet, very soft, black, SILT, trace fine sand, trace shell, sulfur odor (ML).	Vibracore	Marl
		OL-0857-02	65.6	ML	Wet, very soft, SILT, trace fine sand, sulfur odor.	Vibracore	
5		OL-0857-03	68.7	SM	0-2 inches: Wet, very soft, black, SILT, trace fine sand (ML); Rest of core is wet, medium dense, dark gray, fine SAND, little silt, trace shell, sulfur odor (MARL) (SM).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30120

Date: 07/29/2009

Weather: Low 80s Winds SW 10-15mph, sun w/showers

Northing: 1123262.27

Easting: 919816.74

Mud Line: 341.8 Ft

Surface Water Depth: 21.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 9.6

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0872-01	1.8	ML	0-7 inches: Wet, very loose, black, SILT, some zebra mussels, petroleum-like odor (ML); Rest of core is wet, very soft, greenish-gray, silt-like grains, some cementation (SOLW).	Vibracore	Silt
		OL-0872-02	5.9	SOLW	Wet, very soft, greenish-gray to light gray, silt-like grains, some cemented chunks, slight mothball odor.	Vibracore	Solvay Waste
		OL-0853-17	6.8	SOLW	Wet, medium stiff, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0853-18	10.5	SOLW	Wet, medium stiff, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0853-19	8.8	SOLW	Wet, medium stiff, grayish-white, silt-like grains, mothball odor.	Vibracore	
5		OL-0853-20	7.8	SOLW	Wet, very soft, grayish-white to grayish-green, silt-like grains, mothball odor.	Vibracore	
6.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30121

Date: 07/22/2009

Weather: Low 80s, winds 0-5 mph NW, sun and clouds

# Honeywell

Northing: 1123140.5

Easting: 919936.7

Mud Line: 344.7 Ft

Surface Water Depth: 18.5 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 8.5

Core Recovery Depth: 8.3

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0837-14	0.1	SOLW	Wet, stiff, greyish-green to greyish-white, silt-like grains, mothball odor, zebra mussels in top 3 inches.	Vibracore	Solvay Waste
		OL-0837-15	3.4	SOLW	Wet, medium stiff, greyish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0837-16	0.6	SOLW	Wet, medium-stiff, greyish-white, silt-like grains, 1 inch chunk from 2-3 inches, mothball odor.	Vibracore	
		OL-0837-17	0.5	SOLW	Wet, medium-stiff to soft, greyish-white, silt-like grains, mothball odor.	Vibracore	
		OL-0837-18	0.3	SOLW	Wet, medium-stiff to soft, greyish-white, silt-like grains, mothball odor.	Vibracore	
5		OL-0838-01	0.4	SOLW	Wet, soft, greyish-white to dark grey to greyish-white, silt-like grains, mothball odor.	Vibracore	
6.0							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30122

Date: 07/31/2009

Weather: Mid 70's Winds SW 5-10mph, cloudy

Northing: 1123499.67

Easting: 919295.33

Mud Line: 358.6 Ft

Surface Water Depth: 4.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 10

Core Recovery Depth: 8.2

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0858-06	15.7	ML-SM	Wet, soft, gray, SILT, some fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-0858-07	74.3	ML-SM	Wet, soft, light gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0858-08	13.9	ML-SM	Wet, soft, light gray, SILT, some fine sand, trace shells, trace clay in bottom inch, sulfur odor (MARL).	Vibracore	
		OL-0858-09	18.5	ML-SM	Wet, soft, light gray, SILT, some to little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0858-10	13.2	ML-SM	Wet, soft, gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0858-11	7.8	ML	Wet, soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0858-12	14.6	ML	Wet, soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0858-13	63.9	SM	Wet, loose, gray, fine SAND, some to little silt, trace shells, sulfur odor (MARL).	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30123

Date: 08/03/2009

Weather: Low 80s, mostly sunny, Winds S-SW 5-10mph

Northing: 1123519.25

Easting: 919197.96

Mud Line: 362.1 Ft

Surface Water Depth: 1.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 8.8

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0859-10	7.9	SOLW	Wet, soft, light grey-green, silt-like grains, trace cemented chunks, NAPL globule at 8 inches, strong hydrocarbon-like odor, (SOLW). Bottom 2 inches is wet, very soft, dark grey, SILT, trace organics, strong hydrocarbon-like odor, (ML).	Vibracore	Solvay Waste
		OL-0859-11	23.1	SOLW	Wet, soft, dark grey, silt-like grains, little fine sand, trace organics, hydrocarbon-like odor, (SOLW). Bottom 2 inches is wet, loose, grey, fine to medium SAND, trace shells, trace oncolites, sulfur odor, (MARL).	Vibracore	
		OL-0859-13	17.3	SP	Moist, medium dense, grey, fine to medium SAND, trace shells, trace oncolites, sulfur odor, (MARL).	Vibracore	Marl
		OL-0859-14	33.2	SW	Moist, medium dense, grey, fine to medium SAND, trace shells, trace oncolites, sulfur odor, (MARL).	Vibracore	
		OL-0859-15	39.1	SW	Moist, medium dense, grey, fine to medium SAND, trace shells, trace oncolites, sulfur odor, hydrocarbon-like odor, (MARL).	Vibracore	
5		OL-0859-16	42.1	SW	Wet, loose, fine to medium SAND, trace silt, some shells, little oncolites, hydrocarbon-like odor, (MARL).	Vibracore	
		OL-0859-17	29.3	SW	Wet, loose, fine to medium SAND, trace silt, some shells, little oncolites, hydrocarbon-like odor, (MARL).	Vibracore	
		OL-0859-18	50.8	SW	Wet, loose, fine to medium SAND, trace silt, some shells, hydrocarbon-like odor, (MARL).	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30124

Date: 08/03/2009

Weather: Low 80s, mostly sunny, Winds S-SW 5-10mph

Northing: 1123446.94

Easting: 919240.39

Mud Line: 362 Ft

Surface Water Depth: 1.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 9.8

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0859-19	4.7	ML	Top 2 inches is wet, soft, light brown, silt-like grains, mothball odor, (SOLW). Wet, very soft, dark grey, SILT, trace fine sand, trace organics, petroleum-like odor, ML.	Vibracore	Silt
		OL-0859-20	42.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace organics, petroleum-like odor, (ML). Bottom 2 inches is wet, loose, light grey, fine to medium SAND, trace silt, some oncolites, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0860-01	47.5	SM	wet, loose, light brown, fine SAND, some silt, little shells, hydrocarbon-like odor.	Vibracore	Marl
		OL-0860-02	13.9	SM	wet, loose, light brown, fine SAND, some silt, little shells, hydrocarbon-like odor.	Vibracore	
		OL-0860-03	21.9	SM	wet, loose, light brown, fine SAND, some silt, little shells, hydrocarbon-like odor.	Vibracore	
5		OL-0860-04	3.9	SM	wet, loose, light brown, fine SAND, some silt, little shells, hydrocarbon-like odor.	Vibracore	
		OL-0860-05	34.7	SM	wet, loose, light brown, fine SAND, some silt, little shells, hydrocarbon-like odor.	Vibracore	
		OL-0860-06	40.5	SM	wet, loose, light brown, fine SAND, some silt, little shells, hydrocarbon-like odor.	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30125

Date: 07/31/2009

Weather: Low 70s, mostly cloudy, Winds SW 5-10mph

Northing: 1123360.76

Easting: 919312.46

Mud Line: 361.9 Ft

Surface Water Depth: 1.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 10

Core Recovery Depth: 9.6

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0857-17	8.8	SOLW	0-9 inches is wet, very soft to medium stiff, gray to black, silt-like grains, trace organics, mothball odor (SOLW); Rest of core is wet, medium stiff, gray, SILT, some fine sand, some oncolites, trace shell, unknown chemical odor (MARL) (SM).	Vibracore	Solvay Waste
		OL-0857-18	33.8	ML	Wet, stiff, gray, SILT, little fine sand, trace shells, trace organics, unknown chemical odor (MARL).	Vibracore	Marl
		OL-0857-19	9.8	SM	Wet, medium dense, gray, fine SAND and Silt, trace shells, trace fine sub-rounded gravel, unknown chemical odor (MARL).	Vibracore	
		OL-0857-20	33.8	SM	Wet, medium dense, gray, fine SAND and Silt, trace shells, unknown chemical odor (MARL).	Vibracore	
		OL-0858-01	45.7	SM	Wet, medium dense, fine SAND and Silt, little fine to coarse sub-round gravel, trace shells, unknown chemical odor (MARL).	Vibracore	
5		OL-0858-02	37.9	SM	Wet, medium dense, fine SAND and Silt, little fine to coarse sub-round gravel, trace shells, unknown chemical odor (MARL).	Vibracore	
		OL-0858-03	4.7	SM	0-3 inches: Wet, medium dense, lower case GRAVEL and fine to medium Sand, some silt (GP); Rest of core is wet, medium dense, gray, fine SAND and Silt, trace shells, unknown chemical odor (MARL) (SM).	Vibracore	
		OL-0858-05	29.4	SM	Wet, medium dense, gray, fine SAND and Silt, trace shells, unknown chemical odor (MARL).	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30126

Date: 07/22/2009

Weather: Low 80s. Wind 0-5mph NW. Mix Sun/Clouds.

Northing: 1120813.16

Easting: 921268.61

Mud Line: 335.9 Ft

Surface Water Depth: 27.3 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 9.5

Core Recovery Depth: 7.6

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0837-07	1.1	SOLW	Wet, very soft, dark greenish-grey to black, SILT and silt-like, petroleum-like odor.	Vibracore	Silt
		OL-0837-08	0.3	SOLW	Wet, very soft, black to dark grey-blue, SILT and silt-like grains, petroleum-like and mothball odor.	Vibracore	
		OL-0837-10	0.7	SOLW	Wet, very soft, greyish-green, silt-like grains, mothball odor.	Vibracore	SOLW
		OL-0837-11	0.2	SOLW	Wet, very soft, greyish-green to light green, silt-like grains, mothball odor.	Vibracore	
		OL-0837-12	0.4	SOLW	Wet, soft, greyish-green to black to greyish-white, silt-like grains, mothball odor.	Vibracore	
5		OL-0837-13	0.2	SOLW	Wet, soft, greyish-green, silt-like grains, mothball odor.	Vibracore	
6.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30126-A

Date: 09/22/2009

Weather: Low 70s mostly cloudy, Winds S 5-10mph

Northing: 1120814.06

Easting: 921270.46

Mud Line: 335.1 Ft

Surface Water Depth: 27.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 5.00

Core Recovery Depth: 3.70

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-1024-08	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics.	Vibracore	Silt
1.0		OL-1024-09	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics.	Vibracore	



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30127

Date: 07/27/2009

Weather: High 80s, Winds W-SW 5-10mph, partly cloudy

Northing: 1120637.62

Easting: 921272.00

Mud Line: 339.9 Ft

Surface Water Depth: 23.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.3

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0848-06	0.8	ML	Wet, very soft, black, SILT, trace slag, petroleum-like odor.	Vibracore	Silt
		OL-0848-07	0.4	SOLW	Wet, very soft, black to light gray, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-0848-09	1.9	SOLW	Wet, very soft, black to light gray, silt-like grains, trace fine sand, 1/4 inch layers at 3-6 inches, mothball-like odor.	Vibracore	
		OL-0848-10	4.5	SOLW	Wet, very soft, black to light gray, silt-like grains, trace fine sand, chunk 4-7.5 inches, mothball odor.	Vibracore	
		OL-0848-11	1.1	SOLW	Wet, very soft, light gray, silt-like grains, trace fine sand, chunk 8-10 inches, mothball odor.	Vibracore	
5		OL-0848-12	1.1	SOLW	Wet, soft to medium stiff, light gray to grayish-green, silt-like grains, mothball odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30128

Date: 07/27/2009

Weather: High 80s Winds W-SW 5-10mph, cloudy.

Northing: 1120414.61

Easting: 921288.91

Mud Line: 342.7 Ft

Surface Water Depth: 20.6 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 8

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0847-20	0.7	ML	Wet, very soft, dark gray to black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-0848-01	1.8	ML	Wet, very soft, black to grayish green in bottom 1 inch, SILT, trace fine sand, trace slag at 8 inches, petroleum-like odor.	Vibracore	
		OL-0848-02	2.6	SOLW	Wet, very soft, grayish green to gray to grayish-white, silt-like grains, trace fine sand, chunk from 3-8 inches, mothball odor.	Vibracore	Solvay Waste
		OL-0848-03	1.3	SOLW	Wet, very soft, grayish-white to light green to grayish-white, silt-like grains, chunk from 8-9 inches, mothball odor.	Vibracore	
		OL-0848-04	0.8	SOLW	Wet, very soft to medium stiff, grayish white, silt-like grains, mothball odor.	Vibracore	
5		OL-0848-05	0.7	SOLW	Wet, soft, grayish white and light brown to light green, silt-like grains, chunk at 1-2 inches and 7.5-8.5 inches, 1/8th inch layers from 4-8 inches, mothball odor.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30129

Date: 08/24/2009

Weather: High 70s, Winds NW 10-15mph, sun&amp;clouds

Northing: 1126580.53

Easting: 917240.07

Mud Line: 356.3 Ft

Surface Water Depth: 7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14.00

Core Recovery Depth: 11.70

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1005-01	0	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells (MARL).	Vibracore	Marl
		OL-1005-02	0	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells (MARL).	Vibracore	
		OL-1005-03	0.1	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells (MARL).	Vibracore	
		OL-1005-04	0.1	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1005-05	0	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1005-06	0	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1005-07	0	SW	Wet, very loose, light brown and black, fine to medium SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1005-08	0	SP	Wet, very loose, greenish-grey, fine SAND, trace silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1005-09	0.1	SM	Wet, very loose, greenish-grey, fine SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-1005-10	0.1	ML	Wet, very soft, green-grey, SILT, little fine SAND, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30129

Date: 08/24/2009

Weather: High 70s, Winds NW 10-15mph, sun&amp;clouds

Northing: 1126580.53

Easting: 917240.07

Mud Line: 356.3 Ft

Surface Water Depth: 7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14.00

Core Recovery Depth: 11.70

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1005-11	0.1	ML	Wet, very soft, green-grey, SILT, little fine SAND, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-1005-12	0.2	ML	Wet, very soft, green-grey, SILT, little fine SAND, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1005-13	0.1	ML	Wet, very soft, green-grey, SILT, little fine SAND, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1005-14	0.3	ML	Wet, very soft, green-grey, SILT, little fine SAND, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30130

Date: 08/21/2009

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124423.75

Easting: 918942.26

Mud Line: 335.91 Ft

Surface Water Depth: 26.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14.00

Core Recovery Depth: 10.40

Water Elev: 362.31 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1003-15	0.5	ML	Wet, very soft, dark grey, SILT, little fine sand, organic odor.	Vibracore	Silt
		OL-1003-16	0.3	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, trace organics, organic odor.	Vibracore	
		OL-1003-17	0.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, trace organics, organic odor.	Vibracore	
		OL-1003-18	0.4	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, trace organics, organic odor.	Vibracore	
		OL-1003-19	0.5	ML	Wet, very soft, green-grey, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1003-20	0.6	ML	Wet, very soft, green-grey, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1004-01	0.4	ML	Wet, very soft, green-grey, SILT, trace fine sand, organic odor.	Vibracore	
							Solvay Waste
		OL-1004-02	0.5	SOLW	Wet, very soft, grayish-white and dark grey, silt-like grains, mothball odor.	Vibracore	
		OL-1004-03	0.5	SOLW	Wet, very soft, grayish-white and dark grey, silt-like grains, mothball odor.	Vibracore	
		OL-1004-04	0.5	SOLW	Wet, very soft, grayish-white and dark grey, silt-like grains, mothball odor.	Vibracore	
5							

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/21/2009

**Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph**

**Surface Water Depth: 26.4 Ft**

Penetration Depth: 14.00

Core Recovery Depth: 10.40

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1004-05	0.4	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1004-06	0.5	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1004-07	0.5	SOLW	Wet, very soft, greenish-white and grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1004-08	0.5	SOLW	Wet, soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
9.5							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30131

Date: 08/21/2009

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124215.62

Easting: 918916.84

Mud Line: 348.11 Ft

Surface Water Depth: 14.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 14.0

Core Recovery Depth: 12.0

Water Elev: 362.31 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1001-15		SOLW	Wet, very soft, blue-green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
		OL-1001-16		SOLW	Wet, very soft, blue-green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1001-17		SOLW	Wet, very soft, blue-green, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1001-18		SOLW	Wet, very soft, blue-grey to white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1001-19		SOLW	Wet, very soft, light grey, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1001-20		SOLW	Wet, very soft, light grey, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1002-01		SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1002-02		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-1002-03		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-1002-04		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30131

Date: 08/21/2009

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124215.62

Easting: 918916.84

Mud Line: 348.11 Ft

Surface Water Depth: 14.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 14.0

Core Recovery Depth: 12.0

Water Elev: 362.31 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1002-05		SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1002-06		SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1002-07		SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1002-08		SOLW	Wet, very soft, greenish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30132

Date: 08/21/2009

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124308.03

Easting: 919048.72

Mud Line: 338.81 Ft

Surface Water Depth: 23.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14.00

Core Recovery Depth: 12.70

Water Elev: 362.31 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1003-01	0	ML	Wet, very soft, dark grey, SILT, little fine sand, trace shells, trace organics, organic odor.	Vibracore	Silt
		OL-1003-02	0	ML	Wet, very soft, green-grey, SILT, little fine sand, trace shells, trace organics, organic odor.	Vibracore	
		OL-1003-03	0.1	SOLW	Wet, very soft, greenish-grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
		OL-1003-04	0.1	SOLW	Wet, very soft, greenish-grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1003-05	0.2	SOLW	Wet, very soft, greenish-grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1003-06	0.1	SOLW	Wet, very soft, greenish-grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1003-07	0.2	SOLW	Wet, medium-stiff, greenish-grey, silt-like grains, trace fine sand, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
		OL-1003-08	0.2	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1003-09	0.1	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
		OL-1003-10	0.1	SOLW	Wet, medium-stiff, grayish white, silt-like grains, mothball odor.	Vibracore	

5

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30132

Date: 08/21/2009

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1124308.03

Easting: 919048.72

Mud Line: 338.81 Ft

Surface Water Depth: 23.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14.00

Core Recovery Depth: 12.70

Water Elev: 362.31 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1003-11	0.2	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1003-12	0.4	SOLW	Wet, medium-stiff, grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
		OL-1003-13	0.3	SOLW	Wet, medium-stiff, grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
		OL-1003-14	0.3	SOLW	Wet, medium-stiff, grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30133

Date: 08/21/2009

Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph

Northing: 1123774.31

Easting: 919417.34

Mud Line: 337.2 Ft

Surface Water Depth: 25.8 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 14.00

Core Recovery Depth: 13.00

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-1004-09	0.6	ML	Wet, very soft, dark grey, SILT, trace fine sand, organic odor.	Vibracore	Silt
		OL-1004-10	0.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1004-11	0.6	ML	Wet, very soft, dark grey, SILT, trace fine sand, organic odor.	Vibracore	
		OL-1004-12	0.3	ML	Wet, very soft, dark grey, SILT, trace fine sand, little cemented chunks (less than 0.5 inches in diameter), organic odor.	Vibracore	
		OL-1004-13	0.5	SOLW	Wet, very soft, greenish-grey and dark grey, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1004-14	0.5	SOLW	Wet, very soft, greenish-grey and dark grey, silt-like grains, mothball odor.	Vibracore	
		OL-1004-15	0.5	SOLW	Wet, very soft, greenish-grey and dark grey, silt-like grains, mothball odor.	Vibracore	
		OL-1004-16	0.5	SOLW	Wet, very soft, greenish-white and grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1004-17	0.4	SOLW	Wet, soft, grayish-white, silt-like grains, cementations less than 0.5 inches in diameter throughout, mothball odor.	Vibracore	
		OL-1004-18	0.5	SOLW	Wet, very soft, greenish-white and grayish-white, silt-like grains, mothball odor.	Vibracore	
5							

# Honeywell

**Weather: Mid 80s, humid, T-storms, Winds SW 5-10mph**

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1004-20	0.6	SOLW	Wet, very soft, black and greenish-white, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1004-19	0.4	SOLW	Wet, very soft, black and greenish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1004-21	0.6	SOLW	Wet, very soft, dark grey and greenish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1004-22	0.5	SOLW	Wet, very soft, black and dark greenish-grey, silt-like grains, mothball odor.	Vibracore	
9.5							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30144

Date: 09/23/2009

Weather: Low 80s, Winds SW 10-15mph, cloudy

Northing: 1126688.30

Easting: 917731.99

Mud Line: 334.1 Ft

Surface Water Depth: 28.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.60

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-1025-17	0	ML	Wet, very soft, grey-brown, SILT, trace fine sand.	Vibracore	Silt
		OL-1025-18	0	ML	Wet, very soft, grey-brown, SILT, trace fine sand.	Vibracore	
		OL-1025-19	0	ML	Wet, very soft, brown to grey-brown, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	
		OL-1025-20	0	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	
		OL-1026-01	0	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace organics, grey fine sand and silt seam from 7 to 7.25 inches, slight petroleum-like odor.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30145

Date: 09/23/2009

Weather: Low 80s, Winds SW 10-15mph, cloudy

Northing: 1126561.07

Easting: 917644.92

Mud Line: 344.1 Ft

Surface Water Depth: 18.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.70

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-1025-12	0	SM	Wet, very loose, dark brown, fine SAND, some silt, trace shells (MARL).	Vibracore	Fine Sand
		OL-1025-13	0	ML	Wet, very soft, dark brown, SILT, little fine sand, trace shells, slight petroleum-like odor.	Vibracore	
		OL-1025-14	0	ML	Wet, very soft, dark brown, SILT, trace fine sand, slight petroleum-like odor, trace shells in bottom half inch.	Vibracore	Silt
		OL-1025-15	0	SP	0 to 4 inches, is wet, loose, dark grey, fine SAND, trace silt, trace shells, slight petroleum-like odor. 4 to 10 inches is wet, very soft, dark grey, SILT, little fine sand, trace organics (ML). 10 to 12 inches is wet, loose, dark grey, fine SAND, trace silt, trace shells, slight petroleum-like odor.	Vibracore	Fine Sand
		OL-1025-16	0	ML	Wet, very soft, dark grey, SILT, little to trace fine sand, slight petroleum-like odor, rainbow sheen from 8 to 10 inches, trace shells.	Vibracore	Silt
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30146

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds 10-20 mph

Northing: 1124338.91

Easting: 918768.88

Mud Line: 344.6 Ft

Surface Water Depth: 18.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 6.60

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1030-01	0	SOLW	Wet, soft, blue-gray, silt-like grains, trace fine sand, trace zebra mussels, large SOLW chunk from 2 to 5 inches, mothball odor.	Vibracore	Solvay Waste
		OL-1030-02	0	SOLW	Wet, very soft, black to gray, silt-like grains, trace fine sand, some small SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	
		OL-1030-03	0	SOLW	Wet, very soft, light green, silt-like grains, trace organics, mothball odor.	Vibracore	
		OL-1030-04	0	SOLW	Wet, very soft, light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1030-05	0	SOLW	Wet, very soft, white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30147

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds 10-20 mph

Northing: 1124389.24

Easting: 918988.43

Mud Line: 336.6 Ft

Surface Water Depth: 26.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 6.20

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1030-06	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics, slight sulfur odor.	Vibracore	Silt
		OL-1030-07	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics, slight petroleum-like odor.	Vibracore	
		OL-1030-08	0	SOLW	Top 5 inches: Wet, very soft, gray-brown, SILT, trace fine sand, trace organics, slight petroleum-like odor. Rest of core is wet, very soft, blue-gray, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1030-09	0	SOLW	Wet, very soft, blue-gray, silt-like grains, mothball odor.	Vibracore	
		OL-1030-10	0	SOLW	Wet, very soft, dark gray and black, silt-like grains, mothball odor.	Vibracore	
4.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30148

Date: 09/24/2009

Weather: Low 70s, sun&amp;clouds, Winds N-NW 10-15mph

Northing: 1124180.29

Easting: 918935.27

Mud Line: 349.8 Ft

Surface Water Depth: 13.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 6.70

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1028-06	0.3	SOLW	Wet, very soft, blue-gray to dark gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
		OL-1028-07	0.3	SOLW	Wet, very soft, dark gray to grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1028-08	0.2	SOLW	Wet, very soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1028-09	0.1	SOLW	Wet, very soft, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1028-11	0.3	SOLW	Wet, very soft, light green to grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30149

Date: 09/24/2009

Weather: Low 70s, sun&amp;clouds, Winds N-NW 10-15mph

Northing: 1124058.80

Easting: 919098.69

Mud Line: 347.5 Ft

Surface Water Depth: 15.6 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.90

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1029-01	0	SOLW	Wet, very soft, gray-blue, silt-like grains, trace fine sand, some small SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	Solvay Waste
		OL-1029-02	0	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1029-03	0	SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1029-04	0	SOLW	Wet, very soft, grayish-white to light green, silt-like grains, trace organics, trace fine sand, hard SOLW layer from 3-5 inches, mothball odor.	Vibracore	
		OL-1029-05	0	SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
4.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30150

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds S-SE 10-20 mph

Northing: 1124135.27

Easting: 919220.13

Mud Line: 338.1 Ft

Surface Water Depth: 25 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 6.80

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1030-11	0	SOLW	Wet, dark-gray, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
		OL-1030-12	0	SOLW	Wet, very soft, dark-gray to black, silt-like grains, mothball odor.	Vibracore	
		OL-1030-13	0	SOLW	Wet, very soft, blue-gray, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1030-15	0	SOLW	Wet, very soft, white, silt-like grains, mothball odor.	Vibracore	
		OL-1030-16	0	SOLW	Wet, very soft, grayish-white to light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
4.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30151

Date: 09/24/2009

Weather: Low 70s, sun&amp;clouds, Winds N-NW 10-15mph

Northing: 1123895.36

Easting: 919154.05

Mud Line: 349.1 Ft

Surface Water Depth: 14 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 4.10

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1029-06	0.1	SM	Wet, very loose, dark gray, fine SAND, little silt, trace organics, slight mothball odor.	Vibracore	Silt
		OL-1029-07	0.1	SOLW	Wet, very soft, dark grey to light grey, silt-like grains, trace fine sand, trace organics, some small SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	Solvay Waste
		OL-1029-08	0	SOLW	Wet, very soft, grayish-white to light green, silt-like grains, trace fine sand, trace small SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	
		OL-1029-10	0.4	SOLW	Wet, very soft grayish-white and light green, silt-like grains, mothball odor.	Vibracore	
		OL-1029-11	0.3	SOLW	Wet, very soft grayish-white, silt-like grains, mothball odor.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30152

Date: 09/28/2009

Weather: Low 70s, sun&amp;clouds, Winds S-SE 10-20 mph

Northing: 1123964.49

Easting: 919284.09

Mud Line: 337.6 Ft

Surface Water Depth: 25.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 6.70

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1030-17	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	Silt
		OL-1030-18	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1030-19	0	SOLW	Wet, very soft, black and green, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
		OL-1030-20	0	SOLW	Wet, very soft, white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1031-01	0	SOLW	Wet, soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
4.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30153

Date: 09/23/2009

Weather: Low 80s,cloudy, Winds, SW 10-15mph

Northing: 1123003.92

Easting: 920043.19

Mud Line: 346.2 Ft

Surface Water Depth: 16.8 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 3.90

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-1027-01	0	SOLW	Wet, soft, gray-blue to gray, silt-like grains, mothball odor.	Vibracore	Solvay Waste
		OL-1027-02	0	SOLW	Wet, soft, grayish white, silt-like grains, mothball odor.	Vibracore	
		OL-1027-03	0	SOLW	Wet, soft, grayish-white, silt-like grains, mothball odor	Vibracore	
		OL-1027-04	0	SOLW	Wet, soft, grayish white, silt-like grains, mothball odor.	Vibracore	
		OL-1027-05	0	SOLW	Wet, medium stiff, grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
3.9							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30154

Date: 09/23/2009

Weather: Low 80s,cloudy, Winds, SW 10-15mph

Northing: 1123042.91

Easting: 920047.22

Mud Line: 341.7 Ft

Surface Water Depth: 21.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 7.00

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-1027-06	0	SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, some zebra mussels in top 2 inches, mothball odor.	Vibracore	Solvay Waste
		OL-1027-07	0	SOLW	Wet, very soft, grayish-white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1027-08	0	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1027-10	0	SOLW	Wet, very soft, grayish-white, silt-like grains, mothball odor.	Vibracore	
		OL-1027-11	0	SOLW	Wet, very soft, grayish-white, silt-like grains, black discoloration with small SOLW chunks from 4-5 inches, mothball odor.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30155

Date: 09/22/2009

Weather: Low 70s, mostly cloudy, Winds S 5-10mph

Northing: 1120818.04

Easting: 921155.24

Mud Line: 341.2 Ft

Surface Water Depth: 21.8 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.90

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-1023-11	0	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, trace thin SOLW chunks (1cm thick), mothball odor.	Vibracore	Solvay Waste
		OL-1023-12	0	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, trace thin SOLW chunks (1cm thick), mothball odor.	Vibracore	
		OL-1023-13	0	SOLW	Wet, very soft, grey-green, silt-like grains, trace SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	
		OL-1023-15	0	SOLW	Wet, very soft, white, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1023-16	0	SOLW	Wet, very soft, grey and white, silt-like grains, some small SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	
4.0							



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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-30156

Date: 09/22/2009

Weather: Low 70s, mostly cloudy, Winds S 5-10mph

Northing: 1120921.42

Easting: 921194.43

Mud Line: 335.5 Ft

Surface Water Depth: 27.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 6.50

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-1023-17	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand.	Vibracore	Silt
		OL-1023-18	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand.	Vibracore	
		OL-1023-19	0	ML	Wet, very soft, grey brown to black with brown, SILT, trace fine sand, slight petroleum-like odor, trace organics.	Vibracore	
		OL-1023-20	0	ML	Wet, very soft, black, SILT, trace fine sand, slight petroleum-like and mothball odor.	Vibracore	
		OL-1024-01	0	SOLW	Wet, very soft, dark grey, silt-like grains, trace SOLW chunks less than 0.25 inches in diameter, mothball odor.	Vibracore	Solvay Waste
4.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40213

Date: 07/30/2009

Weather: Low 80, sun&amp;clouds, Winds W-NW 5-10mph

Northing: 1126493.08

Easting: 914345.01

Mud Line: 356.1 Ft

Surface Water Depth: 7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 7

Core Recovery Depth: 5.4

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0856-01	0.8	ML	Wet, very soft, gray, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0856-02	1.1	ML	Wet, very soft, gray, SILT, some fine sand, trace oncolites, sulfur odor (MARL).	Vibracore	
		OL-0856-04	1.3	ML	Wet, very soft, gray, SILT, some fine sand, trace shells, trace clay, sulfur odor (MARL).	Vibracore	
		OL-0856-05	1.9	ML	Wet, very soft, gray, SILT, little fine sand, trace clay (clay content increasing with depth), trace oncolites (35% oncolites from 0-2 inches), trace shells, sulfur odor (MARL).	Vibracore	
4.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40214

Date: 07/31/2009

Weather: Low 70s, mostly cloudy, Winds SW 5-10mph

Northing: 1126247.19

Easting: 914509.76

Mud Line: 357.2 Ft

Surface Water Depth: 5.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 7

Core Recovery Depth: 6.1

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0856-06	5.6	ML	Wet, very soft, gray, SILT, little fine to medium sand, little clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-0856-07	13.7	ML-CL	Wet, very soft, gray, SILT AND CLAY, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0856-08	4.6	ML-CL	Wet, very soft, gray, SILT AND CLAY, little fine sand, trace oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0856-09	7.9	ML-CL	Wet, very soft, gray, SILT AND CLAY, little fine sand, trace oncolites, trace shells, sulfur odor (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40215

Date: 08/12/2009

Weather: Low 80s. Wind 5-10 NNW. Mix Sun/Cloud/Rain.

Northing: 1126082.85

Easting: 914634.81

Mud Line: 359.9 Ft

Surface Water Depth: 4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12

Core Recovery Depth: 10.5

Water Elev: 363.9 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		<a href="#">OL-0882-10</a>	0	ML	0-3 inches is wet, very soft, black, SILT, trace medium sand, trace organics, petroleum-like odor (ML). Rest of core is wet, very soft, gray, SILT, slight petroleum-like odor (ML).	Vibracore	Silt
		<a href="#">OL-0882-11</a>	0	ML	0-11 inches is wet, very soft, black, SILT, petroleum-like odor (ML). Bottom 1 inch is wet, very soft, light brown, SILT, little medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		<a href="#">OL-0882-12</a>	0	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		<a href="#">OL-0882-13</a>	0	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		<a href="#">OL-0882-14</a>	0	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5		<a href="#">OL-0882-15</a>	0	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, cemented chunks at 11 to 12 inches (MARL).	Vibracore	
		<a href="#">OL-0882-16</a>	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		<a href="#">OL-0882-17</a>	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		<a href="#">OL-0882-18</a>	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		<a href="#">OL-0882-19</a>	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
10.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40216

Date: 08/12/2009

Weather: Low 80s. Wind 5-10 NNW. Mix Sun/Cloud/Rain.

Northing: 1125992.9

Easting: 914583.23

Mud Line: 361.1 Ft

Surface Water Depth: 2.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12

Core Recovery Depth: 8.8

Water Elev: 363.9 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0882-20	0	SW	0-5 inches is wet, very soft, black, SILT, little organics, organic odor (ML). Rest of core is wet, very loose, light gray, fine to medium sand, some oncolites, sulfur odor (MARL).	Vibracore	Silt
		OL-0883-01	0	ML	Wet, very soft, light gray, SILT, little oncolites, trace fine to medium sand, trace organics, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0883-02	0	ML	Wet, very soft, light gray, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0883-03	0	ML	Wet, very soft, light gray, SILT, little shells, trace fine to medium sand, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0883-04	0	ML	0-10 inches is wet, very soft, light gray SILT, trace fine to medium sand, trace shells, sulfur odor (MARL). Rest of core is wet, very loose, gray, fine to medium SAND, some oncolites, trace silt, sulfur odor (MARL) (SW).	Vibracore	
5		OL-0883-05	0	ML	Wet, very soft, light gray, SILT, trace fine to medium sand, trace oncolites, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0883-06	0	ML	Wet, very soft, light gray, SILT, trace fine to medium sand, trace oncolites, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0883-07	0	ML	Wet, very soft, light gray, SILT, trace fine to medium sand, trace oncolites, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0883-08	0	ML	Wet, very soft, light gray, SILT, trace fine to medium sand, trace shells, trace clay, trace organics, slight sulfur odor, (MARL).	Vibracore	
8.8							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40217

Date: 08/03/2009

Weather: Low 80s, mostly sunny, Winds S-SW 5-10mph

Northing: 1125907.94

Easting: 914684.74

Mud Line: 362.2 Ft

Surface Water Depth: 1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: H PHILIP

Penetration Depth: 10

Core Recovery Depth: 9.2

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0859-01	0.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace shells, slight sulfur odor (MARL).	Vibracore	Marl
		OL-0859-02	0.5	SOLW	Wet, very soft, grey, silt-like grains, trace organics, slight mothball odor.	Vibracore	Solvay Waste
		OL-0859-03	0.3	SOLW	Wet, very soft, grey, silt like grains, trace fine sand, trace organics, slight mothball odor.	Vibracore	
		OL-0859-04	0.2	SOLW	Wet, very soft, grey, silt-like grains, fine sand seam from 4-7 inches, mothball and slight petroleum-like odors.	Vibracore	
		OL-0859-05	1.1	ML	Wet, very soft, dark grey, SILT, trace organics, slight petroleum-like odor.	Vibracore	Silt
5		OL-0859-06	0.5	ML/SM	0-4 inches is wet, very soft, dark grey, SILT, trace organics, slight petroleum-like odor. Rest of core is wet, very loose, light grey, fine to medium SAND, some silt, little shells, sulfur odor, (MARL).	Vibracore	Marl
		OL-0859-07	1.3	SM	0-3 inches is wet, very loose, light grey, fine to medium SAND, some silt, little shells, mothball odor, (MARL). 3-10 inches is wet, loose, dark grey, fine SAND, some silt, organic odor. Bottom 2 inches is wet, very loose, light grey, fine to medium SAND, some silt, little shells, sulfur odor, (MARL).	Vibracore	
		OL-0859-08	1.9	SW	Wet, loose, light grey, fine to medium SAND, trace silt, little shells, sulfur odor, (MARL).	Vibracore	
		OL-0859-09	4.8	SW	Wet, loose, light grey, fine to medium SAND, trace silt, little shells, sulfur odor, (MARL).	Vibracore	
9.2							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40218

Date: 08/20/2009

Weather: High 80s. Wind 5-10 SSE. Sun/Clouds/Rain.

# Honeywell

Northing: 1125972.42

Easting: 914795.06

Mud Line: 361.2 Ft

Surface Water Depth: 1.7 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15

Core Recovery Depth: 13.7

Water Elev: 362.9 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		<a href="#">OL-0898-12</a>	0.3	ML	Wet, very soft, grey and dark grey, SILT, little clay, trace organics, slight organic odor.	Vibracore	Silt
		<a href="#">OL-0898-13</a>	0.4	ML	Wet, very soft, grey and dark grey, SILT, little clay, slight organic odor.	Vibracore	
		<a href="#">OL-0898-14</a>	0.7	SOLW	Wet, very soft, greyish-white to grey, laminated, silt-like grains, trace fine sand, trace organics, slight mothball odor.	Vibracore	Solvay Waste
		<a href="#">OL-0898-15</a>	1.4	ML	0 to 4 inches is wet, very soft, greyish-white to grey, laminated, silt-like grains, trace fine sand, trace organics, slight mothball odor (SOLW). Rest of core is wet, very soft, grey, SILT, trace fine sand, trace clay, trace organics, slight organic odor (ML).	Vibracore	
		<a href="#">OL-0898-16</a>	1.3	ML	Wet, very soft, dark grey, SILT, trace clay, slight organic odor.	Vibracore	Silt
5		<a href="#">OL-0898-17</a>	0.6	ML	Wet, very soft, dark grey, SILT, little clay, slight organic odor.	Vibracore	
		<a href="#">OL-0898-18</a>	1	ML	Wet, very soft, dark grey and grey, SILT, little clay, slight organic odor.	Vibracore	
		<a href="#">OL-0898-19</a>	0.9	ML	Wet, very soft, dark grey and grey, SILT, little clay, trace organics, slight organic odor.	Vibracore	
		<a href="#">OL-0898-20</a>	0.3	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, slight organic odor.	Vibracore	
		<a href="#">OL-0898-21</a>	0.3	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, slight organic odor.	Vibracore	
10.0							

# Honeywell

**Weather: Mid 80s. Wind 5-15 NW. Mix Sun/Cloud.**

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0898-01	0.7	ML	Wet, very soft, dark grey and grey, laminated, SILT, trace fine sand, trace organics, slight organic odor.	Vibracore	Silt
		OL-0898-03	0.2	ML	Wet, very soft, dark grey and grey, laminated, SILT, trace fine sand, trace clay, slight organic odor.	Vibracore	
		OL-0898-02	0.3	ML	Wet, very soft, dark grey and grey, laminated, SILT, trace fine sand, trace clay, slight organic odor.	Vibracore	
		OL-0898-05	0.2	ML	Wet, very soft, dark grey and grey, SILT, some clay, trace fine gravel, trace fine sand, slight organic odor.	Vibracore	
		OL-0898-06	0.3	ML	Wet, very soft, dark grey and grey, SILT, some clay, trace fine gravel, trace fine sand, slight organic odor.	Vibracore	
5		OL-0898-07	0.1	ML	Wet, very soft, dark grey and grey, SILT, some clay, trace fine sand, slight organic odor.	Vibracore	
		OL-0898-08	0.2	ML	Wet, very soft, grey and dark grey, laminated, SILT, some clay, trace fine sand, slight organic odor.	Vibracore	
		OL-0898-09	0.1	ML	Wet, very soft, grey and dark grey, laminated, SILT, some clay, trace fine sand, slight organic odor.	Vibracore	
		OL-0898-10	0.2	ML	Wet, very soft, grey and dark grey, laminated, SILT, some clay, trace fine sand, slight organic odor.	Vibracore	
10.0		OL-0898-11	0.2	ML	Wet, very soft, grey and dark grey, laminated, SILT, some clay, trace fine sand, slight organic odor.	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40220

Date: 08/17/2009

Weather: Mid 90s. Wind 5-10 WNW. Sunny. Humid.

Northing: 1125803.68

Easting: 914821.03

Mud Line: 358.6 Ft

Surface Water Depth: 4.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHUMURA

Penetration Depth: 15

Core Recovery Depth: 14.2

Water Elev: 363.4 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0890-12	0.1	ML	Wet, very soft, dark grey, SILT, slight petroleum-like odor, black fine sand seam from 2 to 3 inches.	Vibracore	Silt
		OL-0890-13	0	ML	Wet, very soft, dark grey, SILT, slight petroleum-like odor.	Vibracore	
		OL-0890-14	0.1	ML	Top 7 inches is wet, very soft, dark grey, SILT, slight petroleum-like odor. Rest of core is wet, very soft, light grey, SILT, little fine sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0890-15	0.4	SM	Wet, very soft, dark grey, SILT, some fine sand, trace shells, sulfur odor, black silt seam from 7 inches to 7.5 inches, little oncolites, (MARL).	Vibracore	Marl
		OL-0890-16	0.4	ML	Wet, very soft, light grey, SILT, little fine sand, trace shells, trace organics, slight sulfur odor, (MARL).	Vibracore	
5		OL-0890-17	17.9	ML	Wet, very soft, light grey, SILT, little fine sand, trace shells, trace organics, slight sulfur odor, (MARL).	Vibracore	
		OL-0890-18	0.6	ML	Wet, very soft, light grey, SILT, little fine sand, trace shells, trace organics, slight sulfur odor, (MARL).	Vibracore	
		OL-0890-19	0.5	ML	Wet, very soft, light grey, SILT, little fine sand, trace shells, trace organics, slight sulfur odor, (MARL).	Vibracore	
		OL-0890-20	1.2	ML	Wet, very soft, light grey, SILT, little fine sand, trace shells, slight sulfur odor, (MARL).	Vibracore	
10.0		OL-0891-01	2.1	ML	Wet, very soft, light grey, SILT, little fine sand, trace shells, slight sulfur odor, (MARL).	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40221

Date: 08/17/2009

Weather: Mid 90s. Wind 5-10 WNW. Sunny. Humid

Northing: 1125921.86

Easting: 914855.67

Mud Line: 357 Ft

Surface Water Depth: 6.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHUMURA

Penetration Depth: 15

Core Recovery Depth: 12

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0890-01	0	ML	Wet, very soft, dark grey, SILT, slight petroleum-like odor.	Vibracore	Silt
		OL-0890-03	0	ML	Wet, very soft, dark grey, SILT, petroleum-like odor, trace organics.	Vibracore	
		OL-0890-02	0	ML	Wet, very soft, dark grey to grey, SILT, some fine sand in bottom 6 inches, trace shells in bottom 6 inches, sulfur odor, (MARL).	Vibracore	
		OL-0890-04	0.1	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor, (MARL).	Vibracore	Marl
		OL-0890-06	0.2	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, trace oncolites, sulfur odor, (MARL).	Vibracore	
5		OL-0890-07	0	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0890-08	0.4	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0890-09	0.7	ML	Wet, very soft, grey, SILT, little fine sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0890-10	1.8	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0890-11	0.7	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor, (MARL), bottom 3 inches has some oncolites.	Vibracore	
10.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40222

Date: 08/18/2009

Weather: High 80s. Wind 10-15 NW. Humid. T-Storms.



Northing: 1125922.95

Easting: 914895.40

Mud Line: 357.6 Ft

Surface Water Depth: 5.7 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15

Core Recovery Depth: 13

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0895-01	0	ML	Wet, very soft, grey, SILT, little clay, trace fine gravel, trace fine sand, trace organics, slight organic odor.	Vibracore	Silt
		OL-0895-02	0	ML-CL	Wet, very soft, grey, SILT and Clay, trace fine gravel, trace fine to medium sand, trace shells, trace organics, slight organic odor, (MARL).	Vibracore	
		OL-0895-04	1.2	ML	0 to 8 inches is wet, very soft, grey, SILT, little clay, trace fine gravel, trace fine sand, trace organics, slight organic odor (ML). Rest of core is wet, very loose, light grey, fine to medium SAND, some oncolites, trace silt, sulfur odor, (MARL) (SW).	Vibracore	
		OL-0895-05	1.6	SW	Wet, very loose, light brown, fine to medium SAND, trace silt, trace shells, sulfur odor, (MARL).	Vibracore	Marl
		OL-0895-06	1.8	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor, (MARL).	Vibracore	
5		OL-0895-07	4.8	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-08	1.1	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-09	1.7	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-10	2.2	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-11	1	ML	0 to 8 inches is wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor. Rest of core is wet, very loose, light brown, fine to coarse SAND, trace silt, trace shells, sulfur odor, (MARL) (SW).	Vibracore	
10.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40223

Date: 08/18/2009

Weather: High 80s. Wind 10-15 NW. Humid. T-Storms.

Northing: 1125934.31

Easting: 914936.43

Mud Line: 361.3 Ft

Surface Water Depth: 2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15

Core Recovery Depth: 12.6

Water Elev: 363.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0895-12	0.1	ML	Wet, very soft, gray to light gray, SILT, trace fine sand, trace clay, trace organics, slight organic odor.	Vibracore	Silt
		OL-0895-13	0	ML-CL	Wet, very soft, gray to light gray, SILT and Clay, trace organics, slight organic odor.	Vibracore	Silt and Clay
		OL-0895-14	0.1	ML-CL	Wet, very soft, black to gray, SILT and Clay, trace fine to medium sand, trace organics, trace shells at bottom 2 inches.	Vibracore	
		OL-0895-15	0.3	ML	0-3 inches: Wet, very soft, black to gray, SILT and Clay, trace fine to medium sand, trace organics, trace shells (ML-CL). 3-4 inches: Wet, very loose, light brown, fine to medium SAND, trace silt, trace shells, sulfur odor, (MARL). 4-12 inches: Wet, very soft, black, SILT, some clay, trace organics, organic odor (ML).	Vibracore	
		OL-0895-16	0.2	ML	0-7 inches: Wet, very soft, black, SILT, trace fine to medium sand, trace clay, trace organics, organic odor (ML). 7-12 inches: Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL) (ML).	Vibracore	Marl
5		OL-0895-17	1.2	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-18	0.6	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-19	1.3	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0895-20	0.5	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
		OL-0896-01	5	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor, (MARL).	Vibracore	
10.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40224

Date: 08/17/2009

Weather: Mid 90s. Wind 5-10 WNW. Sunny. Humid.

Northing: 1125747.75

Easting: 915151.24

Mud Line: 362.1 Ft

Surface Water Depth: 1.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHUMURA

Penetration Depth: 7

Core Recovery Depth: 5.6

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0891-07	0.1	ML	Wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, sulfur odor.	Vibracore	Silt
		OL-0891-08	1.1	ML	0 to 10 inches is wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, sulfur odor. Rest of core is wet, loose, light grey, SILT, little fine sand, some oncolites, trace shells, sulfur odor, (MARL) (ML).	Vibracore	
		OL-0891-09	0.8	ML-SM	Wet, very soft, grey, SILT, some fine sand, some oncolites, trace organics, trace shells, sulfur odor, (MARL).	Vibracore	Marl
		OL-0891-10	1.5	ML-SM	Wet, very soft, grey, SILT, some fine sand, some oncolites, trace organics, trace shells, sulfur odor, (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40225

Date: 07/30/2009

Weather: Low 80s, Winds W-NW 5-10mph, sun&amp;clouds

Northing: 1125644.76

Easting: 915111.69

Mud Line: 362.6 Ft

Surface Water Depth: 0.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 5

Core Recovery Depth: 3.8

Water Elev: 363.1 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 and Clay, trace organics (roots), slight petroleum-like odor.		
		OL-0856-10	9.5	ML-CL		Vibracore	Silt and Clay
		OL-0856-11	16.8	ML-CL	0-8 inches: Wet, soft, black, SILT and Clay, sulfur odor (ML-CL); Rest of core is wet, medium stiff, gray, SILT, some oncolites, trace shells, sulfur odor (MARL) (ML).	Vibracore	
		OL-0856-12	26.7	ML	Wet, soft to medium stiff, gray, SILT, little fine sand, some oncolites (1/4 inch -1 inch size), trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0856-13	6.3	ML	Wet, soft, gray, SILT, little fine sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
3.8							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40226

Date: 07/30/2009

Weather: Low 80s, Winds W-NW 5-10mph, sun&amp;clouds

Northing: 1125575.73

Easting: 915194.43

Mud Line: 362.3 Ft

Surface Water Depth: 0.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 5

Core Recovery Depth: 4

Water Elev: 363.1 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0856-14	6.5	ML	Wet, soft, black to dark gray, SILT, some clay, sulfur odor.	Vibracore	Marl
		OL-0856-15	43.5	ML	Wet, medium stiff, dark gray to gray, SILT, little fine to medium sand, little clay, trace shell, sulfur odor (MARL).	Vibracore	
		OL-0856-16	5.9	ML	Wet, soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0856-17	3.9	ML	Wet, soft, gray, SILT, some oncolites, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40227

Date: 08/17/2009

Weather: Mid 90s. Wind 5-10 WNW. Sunny. Humid

Northing: 1125582.95

Easting: 915288.36

Mud Line: 362.1 Ft

Surface Water Depth: 1.3 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHUMURA

Penetration Depth: 7

Core Recovery Depth: 6.4

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0891-02	0.1	ML	0 to 8 inches is wet, soft, black, SILT, trace clay, trace fine sand, low plasticity, trace organics, sulfur odor. Rest of core is wet, very loose, grey, fine SAND, trace shells, little silt, little oncolites, sulfur odor, (MARL) (SM).	Vibracore	Silt
		OL-0891-03	1.3	ML-SM	Wet, very soft, grey, SILT, some fine sand, grading to little fine sand, trace shells, trace organics, little oncolites in top 6 inches, sulfur odor, (MARL).	Vibracore	Marl
		OL-0891-05	1.2	ML	Wet, very soft, grey, SILT, little fine sand, some oncolites, trace shells, sulfur odor, trace organics, (MARL).	Vibracore	
		OL-0891-06	1.2	ML	Wet, very soft, grey, SILT, little fine sand, trace shells, trace oncolites in top 2 inches, sulfur odor, (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40228

Date: 08/10/2009

Weather: Low 80s. Cloudy. Scatt'd T-Storms.

Northing: 1125645.90

Easting: 915312.85

Mud Line: 361.5 Ft

Surface Water Depth: 1.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7

Core Recovery Depth: 5.9

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-0875-10	0	ML	0-10 inches is wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor (ML). Rest of core is wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	Silt
		OL-0875-11	5.3	SW	Wet, very loose, gray, fine to medium SAND, some oncolites, sulfur odor (MARL).	Vibracore	Marl
		OL-0875-12	0.4	ML	Wet, very loose, gray, fine to medium SAND, some oncolites, sulfur odor, trace shells (MARL).	Vibracore	
		OL-0875-13	9.2	ML	Wet, very loose, gray, fine to medium SAND, some oncolites, sulfur odor, trace shells (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40229

Date: 08/10/2009

Weather: Low 80s. Cloudy. Chance of T-Storms.

Northing: 1125599.59

Easting: 915639.62

Mud Line: 361.1 Ft

Surface Water Depth: 1.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7

Core Recovery Depth: 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		OL-0875-01	0	SW	0-3 inches is wet, very soft, gray, SILT, trace clay, trace organics (ML). Rest of core is wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	Silt
		OL-0875-02	0	SW	Wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	Marl
		OL-0875-04	0.2	SW	Wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0875-05	0.9	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
4.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40230

Date: 08/17/2009

Weather: Mid 90s. Wind 5-10 WNW. Sunny. Humid.

Northing: 1125541.70

Easting: 915656.73

Mud Line: 362.2 Ft

Surface Water Depth: 1.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHUMURA

Penetration Depth: 7

Core Recovery Depth: 6

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0891-11	0.3	ML	Top 7 inches is wet, very soft, grey, SILT, some fine sand, some oncolites, trace organics, trace shells, sulfur odor, (MARL). Rest of core is wet, soft, dark grey, SILT, little fine sand, trace shells, sewage-like odor, black fine sand seam from 9 to 10 inches (SM).	Vibracore	Silt
		OL-0891-12	0.7	ML	Wet, very soft, grey, SILT, little fine sand, trace organics, trace shells, little oncolites, sewage-like and sulfur odor, (MARL).	Vibracore	Marl
		OL-0891-13	0.3	ML	Wet, very soft, grey, SILT, little fine sand, trace organics, trace shells, little oncolites, sewage-like and sulfur odor, (MARL).	Vibracore	
		OL-0891-14	0.4	ML	Wet, very soft, grey, SILT, little fine sand, trace organics, trace shells, little oncolites, sewage-like and sulfur odor, (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40231

Date: 07/30/2009

Weather: Low 80s, Winds W-NW 5-10mph, sun&amp;clouds

Northing: 1125547.97

Easting: 915774.58

Mud Line: 362.3 Ft

Surface Water Depth: 0.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 6

Core Recovery Depth: 4.3

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0854-01	0.8	ML	Wet, loose, gray, SILT, little to some fine to medium sand, some oncolites, trace organics (wood fragment), sewage-like odor.	Vibracore	Marl
		OL-0854-02	0.7	ML	Wet, loose, gray, SILT, little to some fine to medium sand, some oncolites, sewage-like odor.	Vibracore	
		OL-0854-03	0.7	ML	Wet, loose, gray, SILT, little to some fine to medium sand, some oncolites, sewage-like odor.	Vibracore	
		OL-0854-05	0.8	ML	Wet, soft, grayish brown, SILT, some fine to medium sand, little oncolites, trace shells, sewage-like odor (MARL).	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40232

Date: 07/30/2009

Weather: High 80s Winds W-NW 5-10mph, cloudy

Northing: 1125597.62

Easting: 915897.62

Mud Line: 362.3 Ft

Surface Water Depth: 0.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 6

Core Recovery Depth: 5.3

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, loose, gray, fine SAND and Silt, some oncolites, sewage-like odor.		
		OL-0854-06	1.5	SM		Vibracore	
		OL-0854-07	1.1	SM	Wet, loose, gray, fine SAND and Silt, some oncolites, sewage-like odor.	Vibracore	
		OL-0854-08	1.1	SM	Wet, loose, gray, fine SAND and Silt, some oncolites, sewage-like odor.	Vibracore	
		OL-0854-09	2.3	ML	0-4 inches: Wet, loose, gray, fine SAND and Silt, some oncolites, sewage-like odor (SM); Rest of core is wet, very soft, gray-brown, SILT, little to some fine sand, trace shells, sewage-like odor (ML).	Vibracore	Marl
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40233

Date: 08/10/2009

Weather: Low 80s. Cloudy. Chance of T-Storms.

Northing: 1125654.62

Easting: 915907.37

Mud Line: 361.5 Ft

Surface Water Depth: 1.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7

Core Recovery Depth: 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		OL-0875-06	0	SW	0-4 inches: Wet, very soft, gray and black, SILT, trace clay, trace organics, petroleum-like odor. 4-12 inches: Wet, very loose, gray, fine to coarse SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	Silt
		OL-0875-07	0.1	SW	Wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0875-08	0.1	SW	Wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0875-09	0	SW	0-5 inches: Wet, very loose, gray, fine to medium SAND, trace silt, some oncolites, sulfur odor. 5-12 inches: Wet, very loose, gray-green, fine to medium SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
4.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40234

Date: 08/07/2009

Weather: Mid 70s, sun&amp;clouds, Winds MW 10-15mph

Northing: 1125950.78

Easting: 915912.89

Mud Line: 359.7 Ft

Surface Water Depth: 3.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7

Core Recovery Depth: 5.4

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-0873-01	0	ML	Wet, very soft, black, SILT, trace organics, petroleum-like odor, organic odor.	Vibracore	Silt
		OL-0873-02	0	ML	Wet, very soft, black, SILT, trace clay, petroleum-like odor.	Vibracore	
		OL-0873-04	0	ML	Wet, very soft, black, SILT, trace clay, petroleum-like odor.	Vibracore	
4.0		OL-0873-05	0	SP-ML	0-2 inches: Wet, very soft, black, SILT, trace clay, petroleum-like odor (ML); 2-8 inches is wet, very loose, black, fine SAND, trace silt, trace organics, petroleum-like odor (SP); Rest of core is wet, very soft, black, SILT, trace clay, petroleum-like odor (ML).	Vibracore	Silt/Fine Sand

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40235

Date: 08/07/2009

Weather: Mid 70s, sun&amp;clouds, Winds MW 10-15mph

Northing: 1126188.07

Easting: 916082.89

Mud Line: 356.1 Ft

Surface Water Depth: 6.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7

Core Recovery Depth: 5.7

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-0873-06	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0873-07	0	ML	Wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-0873-08	0	ML	Wet, very soft, dark gray and black, SILT, trace clay, petroleum-like odor.	Vibracore	
		OL-0873-09	0	ML	Wet, very soft, dark gray and black, SILT, trace clay, petroleum-like odor.	Vibracore	
4.0							



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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40236

Date: 08/10/2009

Weather: Low 80s. Cloudy. Chance of T-Storms.

Northing: 1126308.68

Easting: 916320.52

Mud Line: 358.1 Ft

Surface Water Depth: 4.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7.5

Core Recovery Depth: 6.5

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0875-18	0	ML	0-3 inches is wet, very loose, black, fine SAND, some silt, trace organics. Rest of core is wet, very soft, brown, SILT, little fine sand, trace organics, trace shells (MARL).	Vibracore	Silt
		OL-0875-19	0	ML	Wet, very soft, brown and gray, SILT, trace fine sand, trace organics, trace shells (MARL).	Vibracore	Marl
		OL-0875-20	0	ML	Wet, very soft, brown and gray, SILT, trace fine sand, trace organics, trace shells (MARL).	Vibracore	
		OL-0875-21	0	ML	Wet, very soft, brown and gray, SILT, trace fine sand, trace organics, trace shells (MARL).	Vibracore	
4.0							

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40237

Date: 08/10/2009

Weather: Low 80s. Cloudy. Chance of T-Storms.

Northing: 1126544.2

Easting: 916474.2

Mud Line: 354 Ft

Surface Water Depth: 9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 7

Core Recovery Depth: 6.5

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0875-14	0	ML	Wet, very soft, brown, SILT, trace fine sand, little organics, trace shells (MARL).	Vibracore	Marl
		OL-0875-15	0	ML	Wet, very soft, brown, SILT, trace fine sand, little organics, trace shells (MARL).	Vibracore	
		OL-0875-16	0	ML	Wet, very soft, brown, SILT, trace fine sand, little organics, trace shells (MARL).	Vibracore	
		OL-0875-17	0	ML	Wet, very soft, brown, SILT, trace fine sand, little organics, trace shells (MARL).	Vibracore	
4.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40238

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

# Honeywell

Northing: 1126589.21

Easting: 914158.17

Mud Line: 360.8 Ft

Surface Water Depth: 2.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.10

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1007-03	0.6	ML	Wet, medium stiff, greenish-grey, SILT, trace fine to medium sand, some oncolites, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-1007-04	0.7	SW	Wet, loose, greenish-grey, fine to medium SAND, trace silt, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-05	0.6	SW	Wet, loose, greenish-grey, fine to medium SAND, trace silt, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-06	0.6	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, little oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-07	0.6	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-08	0.7	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-09	0.6	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-10	0.7	SW	Wet, very loose, light brown, fine to coarse SAND, trace silt, little shells, sulfur odor (MARL).	Vibracore	
		OL-1007-11	0.7	SW	Wet, loose, medium to coarse SAND, trace silt, little oncolites, little shells, sulfur odor (MARL).	Vibracore	
		OL-1007-12	0.6	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
5							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40238

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

Northing: 1126589.21

Easting: 914158.17

Mud Line: 360.8 Ft

Surface Water Depth: 2.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.10

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1007-13	0.6	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1007-14	0.5	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-15	0.7	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1007-16	0.6	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40239

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

Northing: 1126262.28

Easting: 914371.56

Mud Line: 360.7 Ft

Surface Water Depth: 2.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 9.60

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1009-01	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, some oncolites, sulfur odor (MARL).	Vibracore	Marl
		OL-1009-02	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, sulfur odor (MARL).	Vibracore	
		OL-1009-03	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, sulfur odor (MARL).	Vibracore	
		OL-1009-04	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, sulfur odor (MARL).	Vibracore	
		OL-1009-05	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, sulfur odor (MARL).	Vibracore	
		OL-1009-06	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, sulfur odor (MARL).	Vibracore	
		OL-1009-07	0	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1009-08	0	SW	Wet, very loose, light grey, fine to coarse SAND, trace silt, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1009-09	0.2	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1009-10	0.1	ML	Wet, very soft, light grey, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40239

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

Northing: 1126262.28

Easting: 914371.56

Mud Line: 360.7 Ft

Surface Water Depth: 2.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 9.60

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1009-11	0.2	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1009-12	0.2	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1009-13	0.2	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1009-14	0.3	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little clay, trace shells, sulfur odor (MARL).	Vibracore	
9.5							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40240

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

Northing: 1126084.79

Easting: 914645.16

Mud Line: 360 Ft

Surface Water Depth: 3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.10

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-1015-01	0	SOLW	Wet, very soft, grey, silt-like grains, trace organics, slight mothball odor.	Vibracore	Solvay Waste
		OL-1015-02	0	SOLW	Wet, very soft, grey, silt-like grains, trace organics, slight mothball odor.	Vibracore	
		OL-1015-03	0	SOLW	Wet, very soft, grey, silt-like grains, trace organics, slight mothball odor.	Vibracore	
		OL-1015-04	0	SOLW	Wet, very soft, grey, silt-like grains, trace organics, slight mothball odor.	Vibracore	
		OL-1015-05	0.1	SOLW	Wet, very soft, grey, silt-like grains, trace organics, slight mothball odor.	Vibracore	
		OL-1015-06	0.1	SOLW	Wet, very soft, grey, silt-like grains, slight mothball odor.	Vibracore	
		OL-1015-07	0.1	SOLW	Wet, very soft, grey, silt-like grains, slight mothball odor.	Vibracore	
							Marl
		OL-1015-08	0.2	SOLW	Wet, very soft, dark grey, silt-like grains, trace organics, mothball odor.	Vibracore	
		OL-1015-09	0.2	SOLW-ML	0 to 4 inches is wet, very soft, dark grey, silt-like grains, trace organics, mothball odor (SOLW). Rest of core is wet, very soft, light brown, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL) (ML).	Vibracore	
		OL-1015-10	0.3	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5							

## BORING LOG

Page 2 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40240

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

# Honeywell

Northing: 1126084.79

Easting: 914645.16

Mud Line: 360 Ft

Surface Water Depth: 3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.10

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1015-11	0.2	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1015-12	0.3	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1015-13	0.2	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1015-14	0.3	ML	Wet, very soft, green-grey, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

Page 1 of 2

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40241

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

Northing: 1126023.77

Easting: 914746.98

Mud Line: 360.6 Ft

Surface Water Depth: 2.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 8.80

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-1015-15	0.4	ML	Wet, very soft, dark grey, SILT, trace shells, trace organics, organic odor.	Vibracore	Silt
		OL-1015-16	0.3	ML	Wet, very soft, dark grey, SILT, trace shells, trace organics, organic odor.	Vibracore	
		OL-1015-17	0.4	SOLW	Wet, very soft, grey and dark grey, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	Solvay Waste
		OL-1015-18	0.4	SOLW	Wet, very soft, grey and dark grey, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1015-19	0.3	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1015-20	0.3	SOLW	Wet, very soft, grey and dark grey, silt-like grains, mothball odor.	Vibracore	
		OL-1016-01	0.5	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1016-02	0.4	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1016-03	0.4	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1016-04	0.5	SOLW	Wet, very soft, dark grey, silt-like grains, trace clay, mothball odor.	Vibracore	
5							

## BORING LOG

Page 2 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40241

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

# Honeywell

Northing: 1126023.77

Easting: 914746.98

Mud Line: 360.6 Ft

Surface Water Depth: 2.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 8.80

Water Elev: 363 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1016-05	0.5	SOLW	Wet, very soft, dark grey, silt-like grains, trace clay, mothball odor.	Vibracore	Solvay Waste
		OL-1016-06	0.5	SOLW	Wet, very soft, dark grey, silt-like grains, trace clay, mothball and slight petroleum-like odor.	Vibracore	
		OL-1016-07	0.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	Silt
		OL-1016-08	0.6	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
8.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40242

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

Northing: 1126039.47

Easting: 914583.53

Mud Line: 360.8 Ft

Surface Water Depth: 2.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 10.70

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-1016-09	0.6	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, some oncolites, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-1016-10	0.5	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-11	0.7	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-12	0.7	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-13	0.7	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-14	0.7	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-15	0.7	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-16	0.6	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-17	0.7	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, little oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1016-18	0.6	ML	Wet, very soft, light grey, SILT, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40242

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

Northing: 1126039.47

Easting: 914583.53

Mud Line: 360.8 Ft

Surface Water Depth: 2.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 10.70

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1016-19	0.7	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-1016-20	0.7	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace shells, trace organics, trace oncolites at 5 to 6 inches, sulfur odor (MARL).	Vibracore	
		OL-1017-01	0.7	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1017-02	0.6	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
9.5							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40243

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

Northing: 1125953.75

Easting: 914675.67

Mud Line: 361.5 Ft

Surface Water Depth: 1.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 10.20

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-1017-03	1	ML	Wet, very soft, dark grey, SILT, trace fine to medium sand, trace organics, organic odor.	Vibracore	Silt
		OL-1017-04	0.5	ML	Wet, very soft, dark grey and black, SILT, trace fine to medium sand, trace organics, organic odor.	Vibracore	
		OL-1017-05	0.6	SOLW	Wet, very soft, black and grey, silt-like grains, trace fine to medium sand, trace organics, mothball odor.	Vibracore	Solvay Waste
		OL-1017-06	0.6	SOLW	Wet, very soft, black and grey, silt-like grains, trace fine to medium sand, trace organics, mothball odor.	Vibracore	
		OL-1017-07	0.9	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1017-08	0.8	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1017-09	0.7	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1017-10	1.2	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, trace clay, trace organics, mothball odor.	Vibracore	Silt
		OL-1017-11	0.4	ML	Wet, very soft, black, SILT, little fine sand, trace clay, petroleum-like odor.	Vibracore	Silt
		OL-1017-12	1.1	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
5							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40243

Date: 08/27/2009

Weather: Low 70s, mostly sunny, Winds N-NW-5-10mph

# Honeywell

Northing: 1125953.75

Easting: 914675.67

Mud Line: 361.5 Ft

Surface Water Depth: 1.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 10.20

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1017-13	0.7	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1017-14	0.6	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, little oncolites from 3 to 6 inches, sulfur odor (MARL).	Vibracore	
		OL-1017-15	0.9	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1017-16	0.7	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

Page 1 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40244

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

# Honeywell

Northing: 1125854.10

Easting: 915613.28

Mud Line: 360.8 Ft

Surface Water Depth: 2.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 10.80

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1010-09	0.7	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-1010-10	0.7	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1010-11	0.8	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1010-12	0.8	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1010-13	0.6	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	
		OL-1010-14	0.7	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, some oncolites, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-1010-15	0.8	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, some oncolites, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1010-16	0.7	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-17	0.8	ML	Wet, very soft, light grey, SILT, trace fine to coarse sand, some oncolites, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1010-18	0.8	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
5							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40244

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

# Honeywell

Northing: 1125854.10

Easting: 915613.28

Mud Line: 360.8 Ft

Surface Water Depth: 2.4 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 10.80

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1010-19	0.7	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1010-20	0.7	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1011-01	0.9	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1011-02	0.9	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

Page 1 of 2

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40245

Date: 08/24/2009

Weather: High 70s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1126260.65

Easting: 914868.33

Mud Line: 359.4 Ft

Surface Water Depth: 3.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15.00

Core Recovery Depth: 11.00

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1006-09	0.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, little organics, organic odor.	Vibracore	Silt
		OL-1006-10	0.4	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace organics, organic odor.	Vibracore	
		OL-1006-11	0.4	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, organic odor.	Vibracore	
		OL-1006-12	0.4	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, organic odor.	Vibracore	
		OL-1006-13	0.5	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, organic odor.	Vibracore	
		OL-1006-14	0.4	ML	Wet, very soft, grey and dark grey, SILT, trace clay, slight petroleum-like odor.	Vibracore	
		OL-1006-15	0.5	ML	Wet, very soft, grey and dark grey, SILT, trace clay, slight petroleum-like odor.	Vibracore	
							Solvay Waste
		OL-1006-16	0.5	SOLW	Wet, very soft, light grey, silt-like grains, mothball odor.	Vibracore	
		OL-1006-17	0.5	SOLW	Wet, very soft, grey, silt-like grains, mothball odor.	Vibracore	
		OL-1006-18	0.5	SOLW	Wet, very soft, dark grey, silt-like grains, mothball odor.	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40245

Date: 08/24/2009

Weather: High 70s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1126260.65

Easting: 914868.33

Mud Line: 359.4 Ft

Surface Water Depth: 3.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15.00

Core Recovery Depth: 11.00

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1006-19	0.5	ML	Wet, very soft, dark grey and black, SILT, little clay, organic odor.	Vibracore	Silt
		OL-1006-20	0.5	ML	Wet, very soft, grey and black, SILT, trace fine to medium sand, trace clay, slight petroleum-like odor.	Vibracore	Solvay Waste
		OL-1007-01	0.4	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, mothball odor.	Vibracore	Silt
		OL-1007-02	0.6	ML	Wet, very soft, grey, SILT, trace fine sand, petroleum-like odor.	Vibracore	

9.5



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40246

Date: 08/26/2009

Weather: Mid 70s, showers, Winds SW 10-20mph

Northing: 1126338.83

Easting: 915048.02

Mud Line: 359.9 Ft

Surface Water Depth: 3.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12.00

Core Recovery Depth: 11.20

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-1013-01	0	ML	Wet, very soft, black, SILT, trace fine sand, trace grey silt-like grains, trace organics, slight organic and mothball odor.	Vibracore	Silt
		OL-1013-02	0	SOLW	Wet, very soft, grey and black, silt-like grains, trace fine sand, mothball odor.	Vibracore	Solvay Waste
		OL-1013-03	0	SOLW	Wet, very soft, grey and black, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
		OL-1013-04	0	SOLW	Wet, very soft, grey and black, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
		OL-1013-05	0.1	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, mothball odor.	Vibracore	
		OL-1013-06	0.1	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
		OL-1013-07	0	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
		OL-1013-08	0.1	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, sewage-like and mothball odor.	Vibracore	
		OL-1013-09	0.1	SOLW	Wet, very soft, grey, silt-like grains, trace fine sand, trace clay, sewage-like and mothball odor.	Vibracore	
		OL-1013-10	0.1	SOLW	Wet, very soft, light grey, silt-like grains, trace clay, mothball odor.	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40246

Date: 08/26/2009

Weather: Mid 70s, showers, Winds SW 10-20mph

Northing: 1126338.83

Easting: 915048.02

Mud Line: 359.9 Ft

Surface Water Depth: 3.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12.00

Core Recovery Depth: 11.20

Water Elev: 363 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1013-11	0.1	SOLW	Wet, very soft, light grey, silt-like grains, trace clay, mothball odor.	Vibracore	Solvay Waste
		OL-1013-12	0.2	SOLW	Wet, very soft, light grey, silt-like grains, trace clay, mothball odor.	Vibracore	
		OL-1013-13	0.2	SOLW	Wet, very soft, dark grey and grey, silt-like grains, trace clay, trace organics, mothball odor.	Vibracore	
		OL-1013-14	0.2	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, trace organics, petroleum-like and mothball odor.	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40247

Date: 08/24/2009

Weather: High 70s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1126554.87

Easting: 915052.97

Mud Line: 355.4 Ft

Surface Water Depth: 7.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 15.50

Core Recovery Depth: 13.50

Water Elev: 363.3 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1005-15	0.3	ML	Wet, very soft, black, SILT, trace fine sand, some zebra mussels, little organics, organic odor.	Vibracore	Silt
		OL-1005-16	0.3	ML	Wet, very soft, black, SILT, little zebra mussels, trace organics, organic odor.	Vibracore	
		OL-1005-17	0.2	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, trace organics, slight organic odor.	Vibracore	
		OL-1005-18	0.2	ML	Wet, very soft, dark grey and black, SILT, trace fine sand, trace clay, trace organics, slight organic odor.	Vibracore	
		OL-1005-19	0.2	ML	Wet, very soft, dark grey and black, SILT, trace organics, organic odor.	Vibracore	
		OL-1005-20	0.2	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1006-01	0.2	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-1006-02	0.3	ML	Wet, very soft, grey, SILT, some clay, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1006-03	0.3	ML	Wet, very soft, grey, SILT, some clay, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1006-04	0.3	ML	Wet, very soft, grey, SILT, little clay, trace fine sand, trace shells.	Vibracore	
5							

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Date: 08/24/2009

**Weather: High 70s, sun&clouds, Winds NW 10-15mph**

**Surface Water Depth: 7.9 Ft**

Penetration Depth: 15.50

Core Recovery Depth: 13.50

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1006-05	0.4	ML	Wet, very soft, grey, SILT, little clay, trace fine sand, trace shells.	Vibracore	Silt
		OL-1006-06	0.4	ML	Wet, very soft, grey, SILT, little clay, trace fine sand, trace shells.	Vibracore	
		OL-1006-07	0.4	ML	Wet, very soft, light grey, SILT, some clay, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1006-08	0.3	ML	Wet, very soft, grey, SILT, little clay, trace fine sand.	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40248

Date: 08/26/2009

Weather: Mid 70s, showers, Winds SW 10-20mph

Northing: 1126036.91

Easting: 915013.73

Mud Line: 360 Ft

Surface Water Depth: 3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12.00

Core Recovery Depth: 8.80

Water Elev: 363 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1014-08	0.6	ML	Wet, very soft, grey, SILT, some fine to medium sand, trace organics, organic odor.	Vibracore	Silt
		OL-1014-09	0.6	ML	Wet, very soft, grey, SILT, some fine to medium sand, trace organics, organic odor.	Vibracore	
		OL-1014-10	0.7	ML	Wet, very soft, dark grey and black, SILT, trace fine to medium sand, trace organics, organic odor.	Vibracore	
		OL-1014-11	0.7	ML	Wet, very soft, dark grey and black, SILT, trace fine to medium sand, trace organics, organic odor.	Vibracore	
		OL-1014-12	0.7	SOLW	Wet, very soft, grey, silt-like grains, trace fine to medium sand, trace organics, mothball odor.	Vibracore	Solvay Waste
		OL-1014-13	0.7	SOLW	Wet, very soft, grey and grayish-white, silt-like grains, trace fine to medium sand, mothball odor.	Vibracore	
		OL-1014-14	0.7	SOLW	Wet, very soft, grey and grayish-white, silt-like grains, trace fine to medium sand, mothball odor.	Vibracore	
		OL-1014-15	0.6	SOLW	Wet, very soft, grey silt-like grains, trace fine to medium sand, trace clay, mothball odor.	Vibracore	
		OL-1014-16	0.7	SOLW	Wet, very soft, grey, silt-like grains, trace fine to medium sand, trace clay, mothball odor.	Vibracore	
		OL-1014-17	0.7	SOLW	Wet, very soft, dark grey and grey, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	

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## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40248

Date: 08/26/2009

Weather: Mid 70s, showers, Winds SW 10-20mph

Northing: 1126036.91

Easting: 915013.73

Mud Line: 360 Ft

Surface Water Depth: 3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12.00

Core Recovery Depth: 8.80

Water Elev: 363 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1014-18	0.8	SOLW	Wet, very soft, dark grey and grey, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	Solvay Waste
		OL-1014-19	0.7	SOLW	Wet, very soft, dark grey and black, silt-like grains, trace fine sand, trace clay, mothball odor.	Vibracore	
		OL-1014-20	0.8	ML	Wet, very soft, black, SILT, little fine to medium sand, trace shells, slight petroleum-like odor (MARL).	Vibracore	Marl
		OL-1014-21	0.7	ML	Wet, very soft, black, SILT, little fine to medium sand, trace shells, slight petroleum-like odor (MARL).	Vibracore	
8.5							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40249

Date: 08/26/2009

Weather: Mid 70s, showers, Winds SW 10-20mph

Northing: 1126269.45

Easting: 915205.91

Mud Line: 361.3 Ft

Surface Water Depth: 1.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12.00

Core Recovery Depth: 9.00

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-1013-15	0.3	ML	Wet, very soft, black, SILT, trace fine gravel, trace fine to medium sand, trace organics, organic odor.	Vibracore	Silt
		OL-1013-16	0.3	SW	Wet, very loose, black, fine to coarse SAND, trace fine gravel, trace silt, some organics, petroleum-like odor.	Vibracore	Fine-Coarse Sand
		OL-1013-17	0.3	SW	Wet, very loose, black, fine to coarse SAND, trace fine gravel, trace silt, some organics, petroleum-like odor.	Vibracore	
		OL-1013-18	0.4	SW	Wet, very loose, black, fine to coarse SAND, trace fine gravel, trace silt, trace organics, petroleum-like odor.	Vibracore	
		OL-1013-19	0.4	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, trace fine to coarse sand, trace organics, mothball odor.	Vibracore	
		OL-1013-20	0.2	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, trace fine to coarse sand, trace organics, mothball odor.	Vibracore	Solvay Waste
		OL-1013-21	0.6	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, trace fine to medium sand, mothball odor.	Vibracore	
		OL-1014-01	0.3	SOLW	Wet, very soft, dark grey and grayish-white, silt-like grains, trace fine sand, slight mothball odor.	Vibracore	
		OL-1014-02	0.8	SOLW	Wet, very soft, light grey, silt-like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
		OL-1014-03	0.5	SOLW	Wet, very soft, dark grey and grey, silt-like grains, trace fine sand, trace clay, slight mothball odor.	Vibracore	
5							

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40249

Date: 08/26/2009

Weather: Mid 70s, showers, Winds SW 10-20mph

Northing: 1126269.45

Easting: 915205.91

Mud Line: 361.3 Ft

Surface Water Depth: 1.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12.00

Core Recovery Depth: 9.00

Water Elev: 363 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1014-04	0.3	SOLW	Wet, very soft, dark grey and grey, silt-like grains, trace fine sand, trace clay, slight mothball odor.	Vibracore	Solvay Waste
		OL-1014-05	0.5	SOLW	Wet, very soft, dark grey, silt-like grains, trace fine sand, trace clay, slight petroleum-like and mothball odor.	Vibracore	
		OL-1014-06	0.4	SOLW	Wet, very soft, dark grey, silt-like grains, trace clay, petroleum-like and mothball odor.	Vibracore	
		OL-1014-07	0.4	SOLW	Wet, very soft, dark grey and grey, silt-like grains, trace fine sand, trace clay, trace black medium sand, trace shells at 5 to 6 inches, slight mothball odor.	Vibracore	
8.5							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40250

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

# Honeywell

Northing: 1126456.50

Easting: 915322.60

Mud Line: 360.5 Ft

Surface Water Depth: 2.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 9.60

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1011-03	0.9	ML	Wet, very soft, dark grey, SILT, trace fine sand, little organics, organic odor.	Vibracore	Silt
		OL-1011-04	0.8	ML	Wet, very soft, dark grey, SILT, trace fine sand, little organics, organic odor.	Vibracore	
		OL-1011-05	0.9	ML	Wet, very soft, dark grey and black, SILT, little fine to medium sand, trace organics, petroleum-like odor.	Vibracore	
		OL-1011-06	0.8	ML	Wet, very soft, dark grey and black, SILT, little fine to medium sand, trace organics, petroleum-like odor.	Vibracore	
		OL-1011-07	0.9	ML	Wet, very soft, dark grey, SILT, trace fine sand, trace clay, trace organics, slight petroleum-like odor.	Vibracore	
		OL-1011-08	1	ML	Wet, very soft, dark grey and light grey, SILT, little clay, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1011-09	1.1	ML	Wet, very soft, dark grey and light grey, SILT, little clay, trace fine sand, slight petroleum-like odor.	Vibracore	
		OL-1011-10	0.9	ML	Wet, very soft, dark grey and light grey, SILT, little clay, trace fine sand, slight petroleum-like odor.	Vibracore	Marl
		OL-1011-11	1	SW	Wet, very loose, dark grey and black, fine to medium SAND, little silt, trace shells, trace organics, slight petroleum-like odor (MARL).	Vibracore	
		OL-1011-12	0.9	SW	Wet, very loose, dark grey and black, fine to medium SAND, little silt, trace shells, trace organics, slight petroleum-like odor (MARL).	Vibracore	
5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40250

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

Northing: 1126456.50

Easting: 915322.60

Mud Line: 360.5 Ft

Surface Water Depth: 2.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 9.60

Water Elev: 363.2 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1011-13	1	SW	Wet, very loose, dark grey and black, fine to medium SAND, little silt, trace shells, trace organics, slight petroleum-like odor (MARL).	Vibracore	Marl
		OL-1011-14	1	ML	Wet, very soft, light grey and black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
		OL-1011-15	1	ML	Wet, very soft, light grey and black, SILT, trace fine sand, petroleum-like odor.	Vibracore	Silt
		OL-1011-16	1	ML	Wet, very soft, black and light grey, SILT, petroleum-like odor.	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40251

Date: 08/06/2009

Weather: Mid 70s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1125853.20

Easting: 915236.01

Mud Line: 360.5 Ft

Surface Water Depth: 2.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 8.2

Water Elev: 363.2 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0872-03	0.1	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0872-04	0.6	ML	Wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-0872-06	0.3	ML	Wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-0872-07	1.1	ML	Wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	
		OL-0872-08	1.1	SW	0-3 inches: Wet, very soft, black, SILT, little clay, trace fine sand, petroleum-like odor (ML); Rest of core is wet, very loose, light brown, fine to medium SAND, trace silt, trace shell, sulfur odor (MARL) (SW).	Vibracore	Marl
5		OL-0872-09	1.1	SW	Wet, very loose, light brown, fine to medium SAND, trace silt, trace shell, sulfur odor (MARL).	Vibracore	
		OL-0872-10	2.3	SW	Wet, very loose, light brown, fine to medium SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0872-11	1.2	SP	0-6 inches: Wet, very loose, light brown, fine SAND, trace medium sand, trace silt, trace shells, sulfur odor (MARL) (SP); Rest of core is wet, very loose, light brown, fine to medium SAND, trace silt, some shells, sulfur odor (MARL) (SW).	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40252

Date: 08/06/2009

Weather: Mid 70s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1125848.58

Easting: 915621.48

Mud Line: 361.1 Ft

Surface Water Depth: 2.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12

Core Recovery Depth: 7.1

Water Elev: 363.2 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0872-12	0.2	ML	Wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0872-13	0.2	SW	0-7 inches: Wet, very loose, light brown, fine to medium SAND, some shells, sulfur odor (MARL) (SW); Rest of core is wet, very loose, medium to coarse SAND, trace silt, some oncolites, sulfur odor (MARL) (SW).	Vibracore	Marl
		OL-0872-14	0.1	SW	Wet, very loose, light brown, fine to medium SAND, trace silt, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0872-15	0.1	SW	Wet, very loose, light brown, fine to medium SAND, trace silt, trace shells, trace organics, some oncolites, sulfur odor (MARL).	Vibracore	
		OL-0872-16	0.1	SW	Wet, very loose, light brown, fine to medium SAND, trace silt, some shells, sulfur odor (MARL).	Vibracore	
5		OL-0872-17	0.2	ML	Wet, very soft, light brown, SILT, little fine to medium sand, little shells, sulfur odor (MARL).	Vibracore	
		OL-0872-18	0.1	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
7.1							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-40253

Date: 08/14/2009

Weather: High 80s. Wind 0-5 N. Mostly Sunny.

Northing: 1125858.07

Easting: 915859.32

Mud Line: 360.2 Ft

Surface Water Depth: 3.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12

Core Recovery Depth: 9.9

Water Elev: 363.7 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0887-01	0	ML	0-8 inches is wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor (ML). Rest of core is wet, very loose, light gray, fine to medium SAND, trace silt, some oncolites, trace shells, trace organics, sulfur odor (MARL) (SW).	Vibracore	Silt
		OL-0887-03	0	SW	0-7 is wet, very loose, light gray medium to fine SAND, little silt, some oncolites, trace shells, sulfur odor (MARL), (SW). Rest of core is wet, very soft, light brown SILT, little fine to medium sand, trace shells, sulfur odor (MARL) (ML).	Vibracore	Marl
		OL-0887-04	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0887-05	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0887-06	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5		OL-0887-07	0	ML	Wet, very soft, light brown, SILT, some fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0887-08	0	ML	Very soft, light brown SILT, little fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0887-09	0	ML	Very soft, light brown, SILT, little fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
8.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50001-1

Date: 12/02/2009

Weather: Mid 50s, mix sun and clouds, winds S 5-10 mph

Northing: 1128241.207

Easting: 913242.144

Mud Line: 339.17 Ft

Surface Water Depth: 24.35 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: SMW

Penetration Depth: 5.0

Core Recovery Depth: 3.2

Water Elev: 363.52 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1063-01	1.8	ML	Wet, very soft, grey, SILT, little fine sand, trace shells, sulfur odor (Marl)	Vibracore	Marl
		OL-1063-02	6.6	ML	Wet, very soft, grey, SILT, little fine sand, trace shells, sulfur odor (Marl)	Vibracore	
		OL-1063-03	7.1	ML	Wet, very soft, grey, SILT, trace fine sand, trace shells, sulfur odor (Marl)	Vibracore	
3.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50002-1

Date: 12/02/2009

Weather: Mid 50s, mix sun and clouds, winds S 5-10 mph

Northing: 1128207.99

Easting: 913211.70

Mud Line: 348.62 Ft

Surface Water Depth: 14.9 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: SMW

Penetration Depth: 5.0

Core Recovery Depth: 3.3

Water Elev: 363.52 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1063-04	3.2	SM	Wet, very loose, grey, fine SAND, trace silt, trace shells, sulfur odor, Marl	Vibracore	Marl
		OL-1063-05	41.7	SM	Wet, very loose, grey, fine SAND, trace silt, trace shells, sulfur odor, Marl	Vibracore	
		OL-1063-06	4.1	ML	Wet, very soft, grey, SILT, trace fine sand, trace shells, sulfur odor (Marl)	Vibracore	
3.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50004-1

Date: 12/02/2009

Weather: Mid 50s, mix sun and clouds, winds S 5-10 mph

Northing: 1133039.04

Easting: 910750.11

Mud Line: 358.32 Ft

Surface Water Depth: 5.2 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: SMW

Penetration Depth: 5.0

Core Recovery Depth: 3.2

Water Elev: 363.52 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, very soft, light grey, SILT, little fine sand, trace oncolites, trace shells, sulfur odor (Marl)		
		OL-1063-08	0.2	ML		Vibracore	
		OL-1063-09	0.8	ML	Wet, very soft, light grey, SILT, little fine sand, trace oncolites, trace shells, sulfur odor (Marl)	Vibracore	Marl
		OL-1063-10	1.2	ML	Wet, very soft, light grey, SILT, little fine sand, trace oncolites, trace shells, sulfur odor (Marl)	Vibracore	
3.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50009-1

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1132923.77

Easting: 910789.99

Mud Line: 358.61 Ft

Surface Water Depth: 4.9 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 4.2

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1064-11	0	SP	Wet, very loose, light grey, fine to coarse SAND, some fine gravel, trace silt, trace shells, sulfur odor (Marl)	Vibracore	Marl
		OL-1064-12	0	SP	Wet, very soft, light grey, fine to coarse SAND, some fine gravel, trace silt, trace shells, sulfur odor (Marl)	Vibracore	
		OL-1064-13	0.3	SP	Wet, very soft, light grey, fine to coarse SAND, trace silt, trace shells, trace oncolites, sulfur odor (Marl)	Vibracore	
3.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50011-1

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1134380.36

Easting: 913455.73

Mud Line: 337.41 Ft

Surface Water Depth: 26.1 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 4.1

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1064-14	0	ML	Wet, very soft, brown, SILT, trace organics	Vibracore	Silt
		OL-1064-15	0	ML	Wet, very soft, brown, SILT, trace organics	Vibracore	
		OL-1064-16	0	SP	0 -2 inches is wet, very soft, brown, SILT, trace organics. 2 -11 inches is wet, very loose, grey, fine to coarse SAND, trace shells. 11 -12 inches is wet, very soft, brown, SILT	Vibracore	Marl
3.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50013-1

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1134352.70

Easting: 913487.72

Mud Line: 336.21 Ft

Surface Water Depth: 27.3 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 4.0

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1064-17	0	ML	Wet, very soft, brown, SILT	Vibracore	Silt
		OL-1064-18	0	ML	Wet, very soft, brown-grey, SILT, trace fine to coarse sand, trace shells, trace oncolites	Vibracore	Marl
		OL-1064-19	0	ML	Wet, very soft, brown, SILT, trace to fine coarse sand, trace clay in bottom 3-inches	Vibracore	
3.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50014-1

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1134318.69

Easting: 913528.46

Mud Line: 335.91 Ft

Surface Water Depth: 27.6 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 3.2

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1064-20	0	ML	Wet, very soft, brown, SILT	Vibracore	Silt
		OL-1064-21	0	ML	Wet, very soft, brown, SILT	Vibracore	
		OL-1064-22	0	ML	0 -5 inches is wet, very soft, brown, SILT. 5 -12 inches is wet, very soft, brown, SILT, trace clay.	Vibracore	
3.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50015-1

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1134286.88

Easting: 913563.47

Mud Line: 326.44 Ft

Surface Water Depth: 27.07 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 3.9

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1064-23	0	ML	Wet, very soft, brown, SILT, trace organics	Vibracore	Silt
		OL-1064-24	0	ML	Wet, very soft, brown, SILT	Vibracore	
		OL-1064-25	0	ML	Wet, very soft, brown, SILT, trace organics, trace clay, trace shells	Vibracore	Marl
3.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50066

Date: 07/30/2009

Weather: High 80s Winds W-NW 5-10mph, cloudy

Northing: 1127022.49

Easting: 914294.14

Mud Line: 338.1 Ft

Surface Water Depth: 25 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 7

Core Recovery Depth: 5

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, very soft, dark gray to gray, SILT.		
		OL-0854-16	0.7	ML		Vibracore	
		OL-0854-17	0.5	ML	Wet, very soft, dark gray, SILT, petroleum-like odor.	Vibracore	
		OL-0854-18	0.4	ML	Wet, very soft, dark gray, SILT, petroleum-like odor.	Vibracore	
		OL-0854-19	0.5	ML	Wet, very soft, dark gray, SILT, petroleum-like odor.	Vibracore	
4.0							Silt

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50067

Date: 07/30/2009

Weather: High 80s Winds W-NW 5-10mph, cloudy

Northing: 1127208.72

Easting: 914187.29

Mud Line: 336.9 Ft

Surface Water Depth: 26.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 7

Core Recovery Depth: 5

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, very soft, dark gray to grayish brown, SILT.		
		OL-0854-20	0.6	ML		Vibracore	
					Wet, very soft, dark gray, SILT, slight petroleum-like odor.		
		OL-0855-01	0.5	ML		Vibracore	
					Wet, very soft, dark gray, SILT, slight petroleum-like odor.		
		OL-0855-02	0.8	ML		Vibracore	
					Wet, soft, dark gray, SILT grains.		
		OL-0855-03	0.6	ML		Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50068

Date: 07/23/2009

Weather: Low 80s, humid, winds 10-20mph NE, showers

Northing: 1127762.09

Easting: 913739.54

Mud Line: 334.3 Ft

Surface Water Depth: 28.9 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 7.5

Core Recovery Depth: 6.1

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0840-13	0	ML	Wet, soft, dark brown, SILT, slight petroleum-like odor.	Vibracore	Silt
		OL-0840-14	0	ML	Wet, soft, dark brown, SILT, slight petroleum-like odor.	Vibracore	
		OL-0840-15	0	ML	0-5 inches: Wet, soft, dark gray, SILT, trace fine sand. 5-12 inches: Wet, soft, gray, SILT, little clay, trace shells, sulfur odor (Marl).	Vibracore	
		OL-0840-16	0	ML	Wet, soft, gray-brown, SILT, little clay, trace shells, sulfur odor (Marl).	Vibracore	Marl
4.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50068-A

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1127763.33

Easting: 913738.34

Mud Line: 334.2 Ft

Surface Water Depth: 28.8 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 4.60

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-1026-02	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, slight petroleum-like odor, trace organics.	Vibracore	Silt
1.0		OL-1026-03	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, slight petroleum-like odor, trace organics.	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50069

Date: 07/23/2009

Weather: High 70s, winds 5-10mph SE-SW, T-showers

Northing: 1121576.33

Easting: 927356.31

Mud Line: 347.5 Ft

Surface Water Depth: 15.6 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 7

Core Recovery Depth: 4

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0843-01	0.7	SM	Wet, loose, black, fine SAND, some silt, trace shells, petroleum-like odor (Marl).	Vibracore	Marl
		OL-0843-02	0	ML-SM	Wet, soft, black, SILT and fine Sand, trace shells, petroleum-like odor (Marl).	Vibracore	
		OL-0843-03	4	SM	0-4 inches is wet, soft, dark gray, SILT, trace fine sand, slight petroleum-like odor (ML). Rest of core is wet, loose, dark gray-brown, fine SAND and Silt, trace shells, trace organics (twigs) sulfur odor, (Marl).	Vibracore	
		OL-0843-04	1.9	ML-SM	Wet, soft, dark gray-brown, SILT, some fine sand, trace shells, trace organics, sulfur odor (Marl).	Vibracore	
4.0							

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50069-A

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1121572.41

Easting: 927360.96

Mud Line: 348.9 Ft

Surface Water Depth: 14.1 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 1.90

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-1028-02	0	ML	Wet, very soft, gray-brown, SILT, little fine sand grading to some fine sand, trace shells, trace organics, petroleum-like odor.	Vibracore	Silt
1.0		OL-1028-03	0	SM	Wet, very loose, gray-brown, fine SAND, some silt, trace shells, petroleum-like odor.	Vibracore	Fine Sand

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50070

Date: 07/23/2009

Weather: High 70s, winds 5-10mph SE-SW, T-showers

Northing: 1121603.40

Easting: 927070.71

Mud Line: 334.9 Ft

Surface Water Depth: 28.3 Ft

Driller: Anchor QEA

Logging Company: Parsons

Geologist: H.SLETTEN

Penetration Depth: 7

Core Recovery Depth: 5.4

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0					Wet, very soft, black, SILT, petroleum-like odor.		
		OL-0843-05	0.4	ML		Vibracore	
		OL-0843-06	1.2	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	
		OL-0843-07	1.1	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	
		OL-0843-09	0.9	ML	Wet, soft, black, SILT, trace fine sand, petroleum-like odor.	Vibracore	
4.0							Silt

## BORING LOG

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**Honeywell**

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50070-A

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1121605.56

Easting: 927072.67

Mud Line: 335 Ft

Surface Water Depth: 28 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 4.00

Core Recovery Depth: 2.70

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-1028-04	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics.	Vibracore	Silt
1.0		OL-1028-05	0	ML	Wet, very soft, gray-brown, SILT, trace fine sand, trace organics.	Vibracore	

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50071

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

# Honeywell

Northing: 1127158.83

Easting: 914068.12

Mud Line: 357.3 Ft

Surface Water Depth: 5.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.60

Water Elev: 363.2 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1009-15	0.3	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace zebra mussels, trace organics, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1009-16	0.4	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace zebra mussels, trace organics, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1009-17	0.3	ML	Wet, very soft, light brown and black, SILT, trace fine to medium sand, little shells, sulfur odor (MARL).	Vibracore	
		OL-1009-18	0.4	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1009-19	0.3	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1009-20	0.3	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-01	0.3	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-02	0.4	ML	Wet, very soft, light grey, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-03	0.3	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-04	0.3	ML	Wet, very soft, light brown, SILT, trace fine to medium sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
5							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50071

Date: 08/25/2009

Weather: Mid 80s, mostly sunny, Winds SW 5-10 mph

Northing: 1127158.83

Easting: 914068.12

Mud Line: 357.3 Ft

Surface Water Depth: 5.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12.00

Core Recovery Depth: 11.60

Water Elev: 363.2 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
5		OL-1010-05	0.3	ML	Wet, very soft, light brown, SILT, trace fine sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1010-06	0.4	ML	Wet, very soft, light brown, SILT, trace fine sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-07	0.4	ML	Wet, very soft, light brown, SILT, trace fine sand, trace clay, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1010-08	0.4	ML	Wet, very soft, green-grey, SILT, trace fine to medium sand, trace clay, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
9.5							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50072

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1121707.69

Easting: 927388.27

Mud Line: 356.3 Ft

Surface Water Depth: 6.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.60

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-1027-12	0	SM	Wet, very loose, gray, fine SAND, little silt, some oncolites, little zebra mussels, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-1027-13	0	SM	Wet, very loose, gray, fine SAND, little silt, some oncolites, little zebra mussels, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1027-14	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, trace oncolites, sulfur odor (MARL).	Vibracore	
		OL-1027-15	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1027-16	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
4.0							

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50073

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1121772.96

Easting: 926947.85

Mud Line: 334.7 Ft

Surface Water Depth: 28.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 5.50

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-1027-17	0	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	Silt
		OL-1027-18	0	ML	Wet, very soft, black, SILT, petroleum-like odor.	Vibracore	
		OL-1027-19	0	ML	Wet, very soft, black, SILT, trace fine sand, strong petroleum-like odor.	Vibracore	
		OL-1027-20	0	ML	Wet, very soft, black, SILT, trace fine sand, rainbow sheen, strong petroleum-like odor.	Vibracore	
		OL-1028-01	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, strong petroleum-like odor.	Vibracore	
4.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50074

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1127610.41

Easting: 913745.12

Mud Line: 351.8 Ft

Surface Water Depth: 11.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 4.40

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-1025-01	0	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, some organics and zebra mussels in top 1.5 inches, sulfur odor (MARL).	Vibracore	Marl
		OL-1025-02	0	ML-SM	Wet, very soft, grey, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-1025-03	0	ML	Wet, very soft, grey to dark grey, SILT, little fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1025-04	0	ML-SM	Wet, very soft, grey, SILT and fine Sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1025-05	9.3	ML	Wet, very soft, grey, SILT, little fine sand, trace shells, trace organics, sulfur odor (MARL). (PID background at 2.6).	Vibracore	
4.0							

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50075

Date: 09/23/2009

Weather: Low 80s, cloudy, Winds, SW 10-15mph

Northing: 1127841.18

Easting: 913607.18

Mud Line: 341.7 Ft

Surface Water Depth: 21.3 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 7.00

Core Recovery Depth: 3.70

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-1025-06	47.2	SM	Wet, very loose, dark gray, fine SAND, some silt, little shells, some zebra mussels, trace organics, sulfur odor.	Vibracore	Fine Sand
		OL-1025-07	58.3	SM	Wet, very loose, dark gray, fine SAND, some silt, little shells, trace organics, sulfur odor.	Vibracore	
		OL-1025-08	54.5	ML	Wet, very soft, dark grey, SILT, little fine sand, trace shells, trace organics, strong sulfur odor (MARL).	Vibracore	Marl
		OL-1025-10	0.9	ML-SM	Wet, very soft, dark grey, SILT and fine Sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-1025-11	289	SM-ML	Wet, very soft, dark grey, fine SAND and Silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
3.7							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50076

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1132867.12

Easting: 910807.78

Mud Line: 359.61 Ft

Surface Water Depth: 3.9 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 4.4

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1064-26	0	SM	Wet, very loose, brown, fine SAND, some silt, trace fine to coarse sand, trace shells, slight sulfur odor	Vibracore	
		OL-1064-27	0	SP	Wet, very loose, grey-brown, fine SAND, trace silt, trace shells, trace oncolites, sulfur odor (Marl)	Vibracore	Marl
		OL-1064-28	0	SP	Wet, very loose, grey-brown, fine SAND, trace silt, trace shells, trace oncolites, sulfur odor (Marl)	Vibracore	
3.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50077

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1132896.58

Easting: 910752.55

Mud Line: 359.51 Ft

Surface Water Depth: 4 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 3.5

Water Elev: 363.51 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1065-29	0	ML-SM	Wet, very soft, grey to light brown, SILT and fine to coarse Sand	Vibracore	Marl
		OL-1065-30	0	ML-SM	Wet, very soft, grey to light brown, SILT and fine to coarse Sand, trace shells, slight sulfur odor	Vibracore	
		OL-1065-31	0	ML-SM	Wet, very soft, grey to light brown, SILT and fine to coarse Sand, trace cobbles, trace shells, slight sulfur odor	Vibracore	
3.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50078

Date: 12/03/2009

Weather: Mid 50s, cloudy, rain, winds SESW 15-30 mph

Northing: 1132911.54

Easting: 910818.61

Mud Line: 359.21 Ft

Surface Water Depth: 4.3 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: AM

Penetration Depth: 5.0

Core Recovery Depth: 3.3

Water Elev: 363.51 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1065-32	0	SW	Wet, very loose, dark grey, fine to coarse SAND, little fine to coarse gravel, trace silt.	Vibracore	fmc Sand
		OL-1065-33	0	ML	Wet, very soft, dark grey to brown, SILT, little fine to coarse sand, trace coarse gravel, trace shells	Vibracore	Silt
		OL-1065-37	0	ML	Wet, very soft, dark brown, SILT, trace coarse gravel, trace shells	Vibracore	
3.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-50079

Date: 12/02/2009

Weather: Mid 50s, mix sun and clouds, winds S 5-10 mph

Northing: 1132968.97

Easting: 910825.12

Mud Line: 358.22 Ft

Surface Water Depth: 5.3 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: SMW

Penetration Depth: 5.0

Core Recovery Depth: 3.1

Water Elev: 363.52 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-1063-34	0.6	ML	Wet, very soft, light grey SILT, little fine sand, trace organics, trace shells, sulfur odor. (Marl)	Vibracore	Marl
		OL-1063-35	1.4	ML	Wet, very soft, light grey SILT, little fine sand, trace oncolites, trace organics, trace shells, trace cobbles, sulfur odor (Marl)	Vibracore	
		OL-1063-36	2	ML	Wet, very soft, light grey SILT, little fine sand, trace organics, trace shells, sulfur odor (Marl)	Vibracore	
3.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60254

Start/End Date: 07/22/2009

Weather: Low 80s, winds NW 0-5mph, Mix sun &amp; clouds

Northing: 1118248.37

Easting: 928543.08

Mud Line: 360.67 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: DCB

Rig Type: CME75

Total Depth: 73.0 Ft

Water Elevation: 363.17

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			WH-WH-WH-WH	0	0	SM	Wet, very loose, dark gray, fine SAND and Silt.	2SS-140H	Silt/Sand
			WH-WH-WH-WH	0	0	SM	Wet, very loose, dark gray, fine SAND and Silt.	2SS-140H	
5			1-1-WH-WH	1	0	SM	Wet, very loose, dark gray, fine SAND and Silt.	2SS-140H	
			1-WH-WH-1	0	0	SM	Wet, very loose, dark gray, fine SAND and Silt.	2SS-140H	
10			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark gray to black, SILT and Clay, organic odor.	2SS-140H	Marl
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark green-gray, SILT and Clay, some fine sand, little shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark green-gray and light gray banded, SILT and Clay, some fine sand, little shells.	2SS-140H	
15			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark green-gray and light gray banded, SILT and Clay, some fine sand, little shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark green-gray and light gray banded, SILT and Clay, some fine sand, little shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark green-gray and light gray banded, SILT and Clay, some fine sand, little shells.	2SS-140H	
20			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark green-gray and light gray banded, SILT and Clay, some fine sand, little shells.	2SS-140H	

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-60254**

Start/End Date: 07/22/2009

**Weather: Low 80s, winds NW 0-5mph, Mix sun & clouds**



Northings: 1118248.37

Easting: 928543.08

**Mud Line: 360.67 Ft**

**Surface Water Depth: 2.5 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: DCB      Rig Type: CME75

**Total Depth: 73.0 Ft**

Water Elevation: 363.17

Depth Units: Ft

[illegible]

# Honeywell

**Weather: Low 80s, winds NW 0-5mph, Mix sun & clouds**

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
40							Shelby Tube.	Shelby	
			WH-WH-WH-4	0	0	ML/CL	Moist, very soft, dark green-gray, SILT and Clay, trace shells, plastic, sewage-like and sulfur odor.	2SS-140H	
							Drill down from 43 to 44 ft.		
							Shelby Tube.	Shelby	
45			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark green-gray, SILT and Clay, trace shells, plastic, sewage-like and sulfur odor.	2SS-140H	Marl
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark green-gray, SILT and Clay, trace shells, plastic, sewage-like and sulfur odor.	2SS-140H	
50			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark green-gray, SILT and Clay, plastic, sewage-like and sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark green-gray, SILT and Clay, trace shells, plastic, sewage-like and sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
55			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	Silt and Clay
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
60			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	



# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60254

Start/End Date: 07/22/2009

Weather: Low 80s, winds NW 0-5mph, Mix sun &amp; clouds

Northing: 1118248.37

Easting: 928543.08

Mud Line: 360.67 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: DCB

Rig Type: CME75

Total Depth: 73.0 Ft

Water Elevation: 363.17

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
65							Shelby Tube.	Shelby	
			WH-WH-WH-WH	0		ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	Silt and Clay
							Drill down from 68 to 69 ft.		
70							Shelby Tube.	Shelby	
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray varved, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
73.0									

Note: Null fields indicate readings were not taken.

# Honeywell

**Weather: High 70s, Winds SE 0-5mph, sun&clouds**

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			1-WH-1-WH	1	0	ML/SM	Wet, very soft, dark gray, SILT and fine Sand, organic odor.	2SS-140H	
			WH-WH-WH-1	0			No Recovery.	2SS-140H	
5			WH-WH-WH-WH	0	0	ML/SM	Wet, very soft, dark gray, SILT and fine Sand, organic odor.	2SS-140H	Silt/Sand
			WH-WH-WH-WH	0	0	ML/SM	Wet, very soft, dark gray, SILT and fine Sand, several light gray seams of clay, slightly plastic.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/SM	Wet, very soft, dark gray, SILT and fine Sand, several light gray seams of clay, slightly plastic, trace shell pieces in bottom 2 inches.	2SS-140H	
10			WH-WH-WH-WH	0	0	ML/SM	Wet, very soft, light gray, SILT and fine Sand, some clay, trace shells pieces.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, light gray, SILT and Clay, some fine sand, little shells.	2SS-140H	
15			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, light gray, SILT and Clay, some fine sand, little shells.	2SS-140H	Marl
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, light gray, SILT and Clay, some fine sand, little shells.	2SS-140H	
20			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, light gray with bands of light gray-tan, SILT and Clay, some fine sand, little shells, sewage-like odor.	2SS-140H	

# Honeywell

**Weather: High 70s, Winds SE 0-5mph, sun&clouds**

Depth Units: Ft

[illegible]

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-60255**

**Start/End Date: 07/20/2009 - 07/21/2009**

**Weather: High 70s, Winds SE 0-5mph, sun&clouds**

Northings: 1118052.29

Easting: 928320.19

**Mud Line: 360.42 Ft**

**Surface Water Depth: 2.7 Ft**

**Drilling Company: Atlantic Testing**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

**Borehole Geologist: DCB**      **Rig Type: CME75**

**Total Depth: 75.0 Ft**

Water Elevation: 363.12

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60255

Start/End Date: 07/20/2009 - 07/21/2009

Weather: High 70s, Winds SE 0-5mph, sun&amp;clouds

Northing: 1118052.29

Easting: 928320.19

Mud Line: 360.42 Ft

Surface Water Depth: 2.7 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: DCB

Rig Type: CME75

Total Depth: 75.0 Ft

Water Elevation: 363.12

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray laminated, SILT and Clay, plastic, sewage-like odor.	2SS-140H	Silt and Clay
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray laminated, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray laminated, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
65							Shelby Tube.	Shelby	
			WH-WH-WH-WH	0	0	ML/CL	Moist, very soft, dark gray and dark green-gray laminated, SILT and Clay, plastic, sewage-like odor.	2SS-140H	
70							Drill down from 70-71 ft.		
							Shelby Tube.	Shelby	
			WH-WH-WH-WH	0	0	ML/CL	Moist to wet, very soft, dark gray and dark green-gray laminated, SILT and Clay, plastic.	2SS-140H	
75.0									

Note: Null fields indicate readings were not taken.



# Honeywell

**Weather:** Sunny, high 70s, winds 10-15mph SW

Depth Units: Ft

[illegible]



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60256

Start/End Date: 07/16/2009 - 07/17/2009

Weather: Sunny, high 70s, winds 10-15mph SW

Northing: 1117950.94

Easting: 928087.38

Mud Line: 360.56 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 80.0 Ft

Water Elevation: 363.06

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
20							Drill down from 20 to 21 ft.		
							Shelby Tube.	Shelby	
		WH-WH-WH-WH		0	0	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, sulfur odor.	2SS-140H	
25		WR-WR-WH-WH		0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	
		WH-WH-WH-WH		0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	
30		WH-WH-WH-WH		0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	Marl
		WH-WH-WH-WH		0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	
							Shelby Tube, Poor Recovery. Sample archived in geotechnical jar.	Shelby	
35							Shelby Tube.	Shelby	
		WH-WH-WH-WH		0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells, slight sulfur odor.	2SS-140H	
40		WR-WR-WR-WR		0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells, slight sulfur odor.	2SS-140H	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60256

Start/End Date: 07/16/2009 - 07/17/2009

Weather: Sunny, high 70s, winds 10-15mph SW

Northing: 1117950.94

Easting: 928087.38

Mud Line: 360.56 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 80.0 Ft

Water Elevation: 363.06

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
40			WR-WR-WR-WR	0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells, slight sulfur odor.	2SS-140H	Marl
			WR-WR-WR-WR	0	0	ML	Wet, very soft, brownish gray, SILT, some clay, trace shells.	2SS-140H	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, brown, SILT, little clay, trace shells.	2SS-140H	
45			WR-WR-WR-WR	0	0	ML	Wet, very soft, brown, SILT, little clay, trace shells.	2SS-140H	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, brown, SILT, some clay, trace shells.	2SS-140H	
							Shelby Tube.	Shelby	
50			WR-WR-WR-WR	0	0	ML	Wet, very soft, greenish gray and dark gray mottled, SILT, some clay, trace shell fragments.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish gray-brown and dark gray mottled, SILT, some clay, trace shell fragments.	2SS-140H	
55			WR-WR-WR-WR	0	0	ML	Wet, very soft, greenish gray-brown and dark gray mottled, SILT, some clay, trace shell fragments.	2SS-140H	
			WR-WR-WH-WH	0	0	ML	Wet, very soft, greenish gray-brown and dark gray mottled, SILT, some clay, trace shell fragments, burrows and bioturbations.	2SS-140H	
60			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, greenish gray and black thinly laminated, SILT and Clay, bioturbations and burrows.	2SS-140H	Silt and Clay

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60256

Start/End Date: 07/16/2009 - 07/17/2009

Weather: Sunny, high 70s, winds 10-15mph SW

Northing: 1117950.94

Easting: 928087.38

Mud Line: 360.56 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 80.0 Ft

Water Elevation: 363.06

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, greenish gray and black thinly laminated, SILT and Clay, bioturbations and burrows.	2SS-140H	
			WR-WH-WH-WH	0	0	ML/CL	Wet, very soft, greenish gray and black thinly laminated, SILT and Clay, bioturbations and burrows.	2SS-140H	
			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, greenish gray and black thinly laminated, SILT and Clay, bioturbations and burrows.	2SS-140H	
65			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, greenish gray and black thinly laminated, SILT and Clay, bioturbations and burrows.	2SS-140H	
			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, greenish gray and black thinly laminated, SILT and Clay, bioturbations and burrows.	2SS-140H	
70							Shelby Tube.	Shelby	Silt and Clay
			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, thinly laminated, SILT and Clay, bioturbated.	2SS-140H	
							Drill down from 73 to 74 ft.		
75							Shelby Tube, No Recovery.	Shelby	
							Shelby Tube.	Shelby	
80.0			WR-WR-WR-WR	0	0	CL/ML	Wet, very soft, dark brown and black laminated, CLAY and Silt, plastic.	2SS-140H	

Note: Null fields indicate readings were not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60257

Start/End Date: 07/14/2009 - 07/15/2009

Weather: Low 70s, Winds SW 10-15mph, sun&amp;clouds

Northing: 1117720.73

Easting: 927978.59

Mud Line: 361.08 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 78.0 Ft

Water Elevation: 363.58

Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			WH-WH-WH-WH	0			No Recovery.	2SS-140H	
			1-1-WH-WH	1	0.8	SP	Wet, very loose, dark gray and gray, fine SAND, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	SP	Wet, very loose, gray, fine SAND, slight odor.	2SS-140H	
			WH-WH-WH-WH	0	0	SP	Wet, very loose, gray, fine SAND, slight odor.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, tan, SILT, little fine sand, trace shells, slight odor.	2SS-140H	
			WR-WR-WH-WH	0	0	ML	Wet, very soft, tan, SILT, little fine sand, trace shells, trace fine to medium sand at bottom, slight odor.	2SS-140H	Marl
			1-WH-WH-WH	0	0	ML	Wet, very loose, gray and dark gray, SILT, some fine sand, trace shells.	2SS-140H	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, greenish tan, SILT, little fine sand, trace shells, sulfur odor.	2SS-140H	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, greenish tan, SILT, little fine sand, trace shells, sulfur odor.	2SS-140H	
			WR-WR-WR-WR	0			No Recovery.	2SS-140H	

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-60257**

Start/End Date: 07/14/2009 - 07/15/2009

**Weather: Low 70s, Winds SW 10-15mph, sun&clouds**

Easting: 927978.59

**Mud Line: 361.08 Ft**

**Surface Water Depth: 2.5 Ft**

**Drilling Company: Atlantic Testing**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD      Rig Type: CME75

**Total Depth: 78.0 Ft**

Water Elevation: 363.58

Borehole Depth Units: Ft

[illegible]



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60257

Start/End Date: 07/14/2009 - 07/15/2009

Weather: Low 70s, Winds SW 10-15mph, sun&amp;clouds

Northing: 1117720.73

Easting: 927978.59

Mud Line: 361.08 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD Rig Type: CME75

Total Depth: 78.0 Ft

Water Elevation: 363.58

Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
40							Shelby Tube.	Shelby	
		WR-WH-WH-WH	0	0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	
		WH-WH-WH-WH	0	0	0	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	
45		WH-WH-WH-WH	0	0	0	ML	Wet, very soft, brown and dark gray mottled, SILT, little clay, trace shells.	2SS-140H	
		WH-WH-WH-WH	0	0	0	ML	Wet, very soft, brown and dark gray mottled, SILT, some clay, trace shells.	2SS-140H	
50							Shelby Tube.	Shelby	Marl
		WH-WH-WH-WH	0	0	0	ML/CL	Wet, very soft, brown and dark gray laminated and mottled, SILT and Clay, trace shells, trace organics (woody grass).	2SS-140H	
		WH-WH-WH-WH	0	0	0	ML/CL	Wet, very soft, dark brown and gray mottled, SILT and Clay, trace shells.	2SS-140H	
55		WR-WR-WR-WR	0	0	0	ML/CL	Wet, very soft, dark brown and gray mottled, SILT and Clay, trace shell fragments.	2SS-140H	
		WH-WH-WH-WH	0	0	0.1	ML/CL	Wet, very soft, dark brown and gray mottled, SILT and Clay, trace shell fragments (three shell fragments observed).	2SS-140H	
60		WR-WR-WR-WR	0	0	0	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay, bioturbated.	2SS-140H	Silt and Clay



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60257

Start/End Date: 07/14/2009 - 07/15/2009

Weather: Low 70s, Winds SW 10-15mph, sun&amp;clouds

Northing: 1117720.73

Easting: 927978.59

Mud Line: 361.08 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD Rig Type: CME75

Total Depth: 78.0 Ft

Water Elevation: 363.58

Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay, bioturbated.	2SS-140H	
			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay, bioturbated.	2SS-140H	
			WR-WR-WR-WR	0	1.8	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay, bioturbated, strong odor.	2SS-140H	
65			WR-WR-WR-WR	0	0.9	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay, bioturbated, strong odor.	2SS-140H	
			WR-WR-WR-WR	0	2.0	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay, bioturbated, strong odor.	2SS-140H	
							Shelby Tube.	Shelby	
70			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, dark greenish gray-brown and black thinly laminated, SILT and Clay, bioturbated.	2SS-140H	
							Drill down from 73 to 74 ft.		
							Shelby Tube.	Shelby	
75			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, dark greenish gray-brown and black laminated, SILT and Clay.	2SS-140H	
78.0									

Note: Null fields indicate readings were not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60258

Start/End Date: 07/13/2009 - 07/14/2009

Weather: Low 70s, sunny, cool, winds 10-20mph W

Northing: 1117362.60

Easting: 927594.23

Mud Line: 360.50 Ft

Surface Water Depth: 3 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 82.0 Ft

Water Elevation: 363.50

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			WH-WH-WH-WH	0	0	ML/SM	0-3 inches: Wet, very soft, tan, SILT and fine Sand; 3-5 inches: Wet, very loose, black, fine SAND, some cinders, slight odor, visible sheen.	2SS-140H	Sand
			WH-1-1-1	2	1	SP	Wet, loose, black, SAND, slight sheen, trace cinders, trace wood chips, petroleum -like odor, slight sheen.	2SS-140H	
5			WH-1-1-WH	2	1.5	SW	Wet, loose, black, SAND, trace shells, little wood chips, trace cinder, tar-like odor, strong sheen.	2SS-140H	
			1-1-1-1	2	0	SP	Wet, loose, black, SAND, trace shells, strong sheen.	2SS-140H	Marl
			WH-WH-WH-WH	0	0		No Recovery.	2SS-140H	
10			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish tan, SILT, some fine sand, trace small shells, sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	2	ML	Wet, very soft, greenish tan, SILT, some fine sand, trace small shells, sulfur odor.	2SS-140H	
15			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, greenish tan, SILT, some fine sand, trace small shells, sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0		ML	Wet, very soft, greenish tan, SILT, some fine sand, trace small shells, sulfur odor.	2SS-140H	
20							Shelby Tube.	Shelby	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60258

Start/End Date: 07/13/2009 - 07/14/2009

Weather: Low 70s, sunny, cool, winds 10-20mph W

Northing: 1117362.60

Easting: 927594.23

Mud Line: 360.50 Ft

Surface Water Depth: 3 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 82.0 Ft

Water Elevation: 363.50

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
20			WH-WH-WH-WH	0	0		Poor Recovery.	2SS-140H	
					0	ML	Drill down from 22 to 23 ft.		
					0.1		Shelby Tube.	Shelby	
25			WH-WH-WH-WH	0		ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, sulfur odor.	2SS-140H	
			WR-WR-WH-WH	0	0	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, sulfur odor.	2SS-140H	
30			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, sulfur odor.	2SS-140H	Marl
			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
35			WR-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
40			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60258

Start/End Date: 07/13/2009 - 07/14/2009

Weather: Low 70s, sunny, cool, winds 10-20mph W

Northing: 1117362.60

Easting: 927594.23

Mud Line: 360.50 Ft

Surface Water Depth: 3 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 82.0 Ft

Water Elevation: 363.50

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
40			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, greenish-light brown, SILT, trace clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark brown, SILT, some clay, trace shells.	2SS-140H	
45			WR-WR-WH-WH	0	0	ML	Wet, very soft, light brown, SILT, little clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark brown an dark gray mottled, SILT, little clay, trace shells.	2SS-140H	
50			WR-WR-WR-WH	0	0	ML	Wet, very soft, dark brown an dark gray mottled, SILT, little clay, trace shells.	2SS-140H	Marl
					0	ML	Wet, very soft, dark brown an dark gray mottled, SILT, little clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark brown and dark gray mottled, SILT and Clay, trace shell fragments, plastic.	2SS-140H	
55			WR-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark brown and dark gray mottled, SILT and Clay, trace shell fragments, plastic.	2SS-140H	
			WR-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark greenish gray and black thinly laminated, SILT and Clay, trace shell fragments (three whole shells observed), bioturbation and burrows.	2SS-140H	
60			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, dark greenish gray and black thinly laminated, SILT and Clay, trace shells (one shell observed), bioturbation and burrows.	2SS-140H	



Northings: 1117362.60

**Easting: 927594.23**

**Mud Line: 360.50 Ft**

**Surface Water Depth: 3 Ft**

**Drilling Company: Atlantic Testing**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

**Borehole Geologist: SBD**

Rig Type: CME75

**Total Depth: 82.0 Ft**

Water Elevation: 363.50

Depth Units: Ft

[illegible]



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60258

Start/End Date: 07/13/2009 - 07/14/2009

Weather: Low 70s, sunny, cool, winds 10-20mph W

Northing: 1117362.60

Easting: 927594.23

Mud Line: 360.50 Ft

Surface Water Depth: 3 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD      Rig Type: CME75

Total Depth: 82.0 Ft

Water Elevation: 363.50

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
80									
			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, greenish gray and black laminated, SILT and Clay.	2SS-140H	Silt and Clay
82.0									

Note: Null fields indicate readings were not taken.



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60259

Start/End Date: 07/09/2009 - 07/10/2009

Weather: High 70s, winds 5-10mph, sunny

Northing: 1117227.69

Easting: 927525.31

Mud Line: 360.66 Ft

Surface Water Depth: 2.9 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME 75

Total Depth: 74.0 Ft

Water Elevation: 363.56

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			WR-WR-WR-WR	0	0.2	SW	Wet, very loose, fine to coarse SAND, little gravel, trace clay, trace shells, sewage-like odor.	2SS-140H	Marl
			WH-WH-WH-WH	0	0.5	SW	Wet, very loose, fine to coarse SAND, trace shells, sewage-like odor.	2SS-140H	
5			1-WH-1-1	1	0.2	SW	0-5 inches: Wet, very loose, fine to coarse SAND, trace shells, sewage-like odor; 5-7 inches: Wet, very soft, tan, SILT and fine Sand, trace shells.	2SS-140H	
			2-1-1-1	2	0.1	ML/SM	Wet, soft, greenish tan, SILT and fine Sand, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0.1		Poor Recovery.	2SS-140H	
10			WH-WH-WH-WH	0		ML/SM	Wet, very soft, greenish tan, SILT and fine Sand, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML/SM	Wet, very soft, SILT and fine Sand.	2SS-140H	
15			WH-WH-WH-WH	0	0.1	ML/SM	Wet, very soft, SILT and fine Sand, trace shells, sulfur odor.	2SS-140H	
							Shelby Tube.	Shelby	
20				0	0	ML	Wet, very soft, greenish tan, SILT, trace shells, sulfur odor.	2SS-140H	

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date: 07/09/2009 - 07/10/2009**

**Weather:** High 70s, winds 5-10mph, sunny

Easting: 927525.31

**Mud Line: 360.66 Ft**

**Surface Water Depth: 2.9 Ft**

Drilling Company: Atlantic Testing

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD      Rig Type: CME 75

**Total Depth: 74.0 Ft**

**Water Elevation: 363.56**

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
20							Drill down from 20 to 21 ft.		
							Shelby Tube.	Shelby	
			WH-WH-WH-WH	0	0.2	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, trace organics (grass), sulfur odor.	2SS-140H	
25			WRWH-WH-WH	0	0.1	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, trace organics (grass), sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, trace organics (grass), sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, greenish tan, SILT, trace clay, trace shells, trace organics (grass), sulfur odor.	2SS-140H	
30			WH-WH-WH-WH	0	0.2	ML	Wet, very soft, greenish brown, SILT, trace clay, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, tan and brown, SILT, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, tan and brown, SILT, trace shells.	2SS-140H	
35			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, tan and brown, SILT, trace shells.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, tan and brown, SILT, trace shells.	2SS-140H	
40			WH-WH-WH-WH	0	0.1	ML	Wet, very soft, tan and brown, SILT, trace shells.	2SS-140H	



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-60259

Start/End Date: 07/09/2009 - 07/10/2009

Weather: High 70s, winds 5-10mph, sunny

Northing: 1117227.69

Easting: 927525.31

Mud Line: 360.66 Ft

Surface Water Depth: 2.9 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME 75

Total Depth: 74.0 Ft

Water Elevation: 363.56

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WR-WH-WH-WH	0	0.1	ML/CL	Wet, very soft, dark gray and greenish gray and tan-brown thinly laminated, SILT and Clay.	2SS-140H	
			WR-WH-WH-WH	0	0.2	ML/CL	Wet, very soft, dark gray and greenish gray and tan-brown thinly laminated, SILT and Clay.	2SS-140H	
			WH-WH-WH-WH	0	0	ML/CL	Wet, very soft, dark gray and greenish gray and tan-brown thinly laminated, SILT and Clay.	2SS-140H	
65							Shelby Tube.	Shelby	
			WR-WR-WR-WH	0	0	ML/CL	Wet, very soft, dark gray and greenish gray thinly laminated, SILT and Clay.	2SS-140H	Silt and Clay
						ML/CL	Drill down from 69 to 70 ft.		
70					0		Shelby Tube.	Shelby	
						ML/CL	Wet, very soft, dark gray and greenish gray laminated, SILT and Clay.	2SS-140H	
74.0									

Note: Null fields indicate readings were not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60229

Date: 07/30/2009

Weather: High 80s, Winds W-NW 5-10mph, cloudy

Northing: 1120046.72

Easting: 928889.24

Mud Line: 361.9 Ft

Surface Water Depth: 1.2 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0854-10	5.5	ML-SP	0-6 inches: Wet, soft to medium stiff, black, SILT, little to some fine sand, trace shells, petroleum-like odor (ML); Rest of core is wet, dense, gray-brown, fine SAND, trace silt, little shells, petroleum-like odor, sulfur odor (MARL) (SP).	Vibracore	Silt
		OL-0854-11	15.6	SP	0-4 inches: Wet, soft, black, SILT, trace fine sand, petroleum-like odor (ML); Rest of core is wet, dense, dark gray to grayish-brown, fine SAND, little silt, little shells, petroleum-like odor, sulfur odor (MARL) (SP).	Vibracore	Marl
		OL-0854-12	96.5	SM	Wet, loose, grayish brown, fine SAND and Silt, trace shells, trace organics (roots), sulfur odor (MARL).	Vibracore	
		OL-0854-13	76.6	SM	0-6 inches: Wet, loose, gray-brown, fine SAND and Silt, grading to SILT and fine Sand, trace shells, trace organics (roots), sulfur odor (MARL) (SM).	Vibracore	
		OL-0854-14	99.5	ML	Wet, soft, gray-brown, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0854-15	105	SM	Wet, medium dense, gray-brown, fine SAND and Silt, trace shells, sulfur odor (MARL).	Vibracore	
6.0							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60230

Date: 07/29/2009

Weather: Low 80s, Winds SW 10-15mph, sun w/showers

Northing: 1119831.48

Easting: 928852.32

Mud Line: 362.2 Ft

Surface Water Depth: 0.9 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 4.8

Water Elev: 363.1 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0853-04	0.6	SP	Wet, medium dense to dense, dark gray, fine SAND, trace shells; fine to medium sand and shell seam from 3.5 -8.5 inches.	Vibracore	Sand
		OL-0853-06	5.6	SP	Wet, dense to medium dense, dark gray-brown to black, fine SAND, silt from 8-11 inches, trace shells, petroleum-like odor.	Vibracore	
		OL-0853-07	10.8	SP	Wet, very dense, dark gray-brown, fine SAND, little silt, little shells, piece of wood at 5.5 inches, petroleum-like odor (SP); Bottom 2 inches is wet, soft, grayish brown, SILT, little shells, sulfur odor (MARL) (ML).	Vibracore	
		OL-0853-08	2.7	ML	Wet, soft, gray-brown, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0853-09	1.8	ML	Wet, soft, gray-brown, SILT, little to trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
4.8							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60231

Date: 07/29/2009

Weather: Low 80s, Winds SW 10-15mph, sunny

Northing: 1119595.96

Easting: 928752.09

Mud Line: 361.9 Ft

Surface Water Depth: 1.2 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 10

Core Recovery Depth: 7.5

Water Elev: 363.1 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0852-16	0.6	ML	0-5 inches: Wet, medium dense, gray-brown, fine SAND, little silt, little shells (SP); Rest of core is wet, soft, black, SILT, trace fine sand, trace shells, petroleum-like odor (ML).	Vibracore	Fine Sand
		OL-0852-17	13.6	ML	Wet, soft to medium stiff, black to brown, SILT, some to little fine sand, trace clay in bottom 3 inches, trace to little shells, petroleum-like odor; fine sand seam from 8.5-9 inches (MARL).	Vibracore	Marl
		OL-0852-18	0.4	ML	Wet, medium stiff, brown, SILT and Clay, little fine sand at 2 inches, little shells (MARL).	Vibracore	
		OL-0852-19	0.4	SP	Wet, medium dense to dense, gray-brown, fine SAND, trace silt, trace shells, trace organics (roots).	Vibracore	
		OL-0852-20	0.4	SP	0-9 inches: Wet, very dense, brown, fine SAND, little shells; Rest of core is wet, hard, gray, SILT, little to some fine sand, trace shells, sulfur odor (MARL) (ML).	Vibracore	
5		OL-0853-01	3.7	ML	Wet, stiff, brown, SILT, some clay, trace shells, trace organics (roots), slight sulfur odor (MARL).	Vibracore	
		OL-0853-02	1.4	ML	Wet, stiff, brown, SILT, little to some clay, little shells, slight sulfur odor (MARL).	Vibracore	
7.5		OL-0853-03	0.4	ML	Wet, soft, grayish brown, SILT, little to some clay, trace shells.	Vibracore	

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60231A

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds SW 10-15mph

Northing: 1119595.96

Easting: 928752.09

Mud Line: 362.2 Ft

Surface Water Depth: 1.2 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: H PHILIP

Penetration Depth: 15

Core Recovery Depth: 10.9

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0862-08	0	SW	0-5 in is wet, very soft, black, SILT, trace fine sand, trace shells, petroleum-like odor. Rest of core is wet, very loose, dark gray, fine to medium SAND, trace shells, petroleum-like odor.	Vibracore	Silt
		OL-0862-09	0	ML	0-3 inches is wet, very loose, dark gray, fine to medium SAND, trace shells, petroleum-like odor (SW). Rest of core is moist, soft, light brown, SILT, little fine sand, trace shells, trace organics, (MARL).	Vibracore	Fine-Medium Sand
		OL-0862-11	0	ML	Moist, soft, light brown, SILT, little fine sand, trace shells, trace organics, (MARL).	Vibracore	Marl
		OL-0862-12	0	SW	Wet, very loose, dark grey and black, fine to medium SAND, little organics, trace shells (MARL).	Vibracore	
		OL-0862-13	0	ML	0-2 inches is wet, very loose, dark gray and black, fine to medium SAND, little organics, sulfur odor. Rest of core is moist, soft, brown, SILT, some fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5		OL-0862-14	0	ML	Moist, soft, light brown, SILT, some fine sand, little shells, trace organics.	Vibracore	
		OL-0862-15	0	ML	Moist, soft, light brown, SILT, some fine sand, little shells, trace organics.	Vibracore	
		OL-0862-16	0	SM	Moist, soft, light brown, SILT, some fine sand, little shells, trace organics (MARL).	Vibracore	
		OL-0862-17	0	SM	Moist, soft, light brown, SILT, some fine sand, little shells, trace organics (MARL).	Vibracore	
		OL-0862-18	0	ML	Moist, soft, light brown, SILT, trace fine sand, little shells, trace organics (MARL).	Vibracore	Marl
10		OL-0862-19	0	ML	Wet, very soft, brown and dark grey, SILT, trace fine sand, trace shells, trace organics, (MARL).	Vibracore	
10.8							

## BORING LOG

Page 1 of 1

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60232

Date: 07/29/2009

Weather: Low 80s, Winds SW 10-15mph, sunny

Northing: 1119304.95

Easting: 928785.48

Mud Line: 349.1 Ft

Surface Water Depth: 14 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.6

Water Elev: 363.1 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0852-01	0	SM	Wet, loose to medium dense, black, fine SAND, little silt, trace shells, trace fine to coarse sub-rounded gravel, trace organics (roots), silt and clay lense from 3-5 inches & 6.5-8.5 inches, petroleum-like odor.	Vibracore	Fine Sand
		OL-0852-02	0	SM	Wet, dense to medium dense, dark gray to gray-brown, fine SAND, little to some silt, trace shells, trace wood fragments, petroleum-like odor.	Vibracore	
		OL-0852-03	0	SM	0-6 inches: Wet, dense, gray-brown, fine SAND, little silt, trace shells, trace wood fragment; Rest of core is wet, soft to medium stiff, dark gray, SILT, some fine sand, little organics (roots and wood fragments), slight petroleum-like odor.	Vibracore	
		OL-0852-05	0	ML	Wet, medium stiff to stiff, dark brown, SILT, some fine sand, little shells, little organics (roots) (MARL).	Vibracore	Marl
		OL-0852-06	0	ML	Wet, medium stiff to stiff, dark brown, SILT, some fine sand, little shells, little organics (roots), sulfur odor (MARL).	Vibracore	
5		OL-0852-07	0	ML	Wet, medium stiff, dark brown, SILT, some fine sand, little shells, slight sulfur odor, organic seam from 5.5-6.5 inches, roots in bottom 6 inches (MARL).	Vibracore	
		OL-0852-08	0	ML	Wet, stiff, dark brown, SILT, trace fine sand, trace clay to some clay in bottom 7 inches, trace organics (roots), trace shells.	Vibracore	
		OL-0852-09	0	ML	Wet, very stiff, dark brown, SILT, little shells.	Vibracore	
7.6							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60233

Date: 07/29/2009

Weather: Low 80s, Winds SW 10-16mph, sunny

Northing: 1119047.99

Easting: 928775.12

Mud Line: 362.1 Ft

Surface Water Depth: 1 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: D Burkert

Penetration Depth: 9

Core Recovery Depth: 5.3

Water Elev: 363.1 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0851-13	3.5	SP	0-7 inches: Wet, medium dense, black, fine SAND, little silt, petroleum-like odor (SP); Rest of core is wet, soft, black to dark gray, SILT and Clay, petroleum-like odor (ML).	Vibracore	Fine Sand
		OL-0851-14	0.8	SP	0-4 inches: Wet, soft, dark gray, SILT, trace fine to medium sand, trace organics (wood fibers) (ML); Rest of core is wet, medium dense, dark gray, fine SAND, little silt, trace shells, slight petroleum-odor (SP).	Vibracore	Silt
		OL-0851-15	0.5	SP	Moist, medium dense, dark gray, fine SAND, trace shell, little silt.	Vibracore	Fine Sand
		OL-0851-16	0.4	SM	Moist, medium dense, dark gray, fine SAND, some silt, little clay, trace shells.	Vibracore	
		OL-0851-17	0.4	SM	Moist, medium dense, dark gray, fine SAND, some silt, little shells. Lense of shells from 6-7 inches.	Vibracore	
5							
5.3							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60234

Date: 07/29/2009

Weather: Low 80s, Winds SW-10-15mph, sunny

Northing: 1118197.81

Easting: 928533.20

Mud Line: 362.2 Ft

Surface Water Depth: 0.9 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: HILLARY

Penetration Depth: 9

Core Recovery Depth: 7.1

Water Elev: 363.1 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0852-10	0	SW	Wet, dense to very dense, black, fine to medium SAND, little fine to coarse sub-rounded gravel, little wood fragments, little slag in top 4 inches, trace shells, trace shoe sole in top 1 inch.	Vibracore	Fine-Medium Sand
		OL-0852-11	0.6	SM	Wet, dense to very dense, black, fine to medium SAND, some silt, silt lense from 5-7 inches and 9-10 inches, trace fine sub-rounded gravel in bottom 3 inches, trace shells, petroleum-like odor.	Vibracore	
		OL-0852-12	1.4	SP	0-6 inches: Wet, soft, dark gray-brown, SILT, little fine sand, little shells, trace organics (roots), wood fragment from 5-6 inches (ML); Rest of core is wet, dense, fine SAND, trace shells (SP).	Vibracore	Silt
		OL-0852-13	0.7	SM	Wet, dense, gray-brown, fine SAND, little to some silt, little shells (MARL).	Vibracore	Marl
		OL-0852-14	0.4	SM	Wet, very dense, fine SAND, some to little silt, little shells, piece of plastic from 8-12 inches.	Vibracore	
5		OL-0852-15	1.7	ML	Wet, very stiff to hard, gray-brown, SILT, little fine sand in top 1 inch, little shells, sulfur odor (MARL).	Vibracore	
6.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60235

Date: 07/28/2009

Weather: High 80s Winds, SW 10-20mph, sunny

Northing: 1117711.46

Easting: 928270.26

Mud Line: 361.2 Ft

Surface Water Depth: 2 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.5

Water Elev: 363.2 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0850-01	0.7	SM	Wet, loose, black, fine to medium SAND, little silt, trace coarse sub-rounded gravel, trace glass, petroleum-like odor, large/long wood fragment from 0-12 inches.	Vibracore	Fine-Medium Sand
		OL-0850-02	0.8	SM/ML	0-6 inches: Wet, loose, black, fine to medium SAND, little silt, trace sub-round gravel, wood fragment, petroleum-like odor (SM); Rest of core is wet, soft to medium stiff, dark brown, SILT, wood fragment, trace fine sub-round gravel, slight petroleum-like odor (ML).	Vibracore	
		OL-0850-03	0.4	ML/SM	0-6 inches: Wet, medium stiff, dark brown, SILT, some wood fragment, slight petroleum-like odor (ML); Rest of core is wet, medium dense, dark brown to black, fine to medium SAND, little sub-round gravel, trace shells, petroleum-like odor (SM).	Vibracore	Silt
		OL-0850-04	8.6	SM	0-4 inches: Wet, soft, black, SILT, some fine to medium sand, trace shells, petroleum-like odor (ML); Rest of core is wet, loose to medium dense, dark gray, fine to medium SAND, little silt, trace fine subangular gravel, some shells, trace wood fragment, petroleum-like odor.	Vibracore	
		OL-0850-05	6.4	SM	0-2.5 inches: Wet, loose, dark gray, fine to medium SAND and silt, some shells, little wood fragments, sulfur odor (MARL); Rest of core is wet, soft, gray-brown, SILT and fine Sand, little shells, sulfur odor (MARL).	Vibracore	Marl
5		OL-0850-06	3.8	SP	0-4 inches: Wet, loose to medium dense, gray, fine SAND and Silt, little shells, little wood fragment, sulfur odor (MARL) (SM); Rest of core is wet, medium dense, gray, fine SAND, trace silt, little to trace shells, sulfur odor (MARL) (SP).	Vibracore	
6.0							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60236

Date: 07/28/2009

Weather: High 80s, Winds SW 10-20-mph, sunny

Northing: 1117362.06

Easting: 928105.35

Mud Line: 362.1 Ft

Surface Water Depth: 1.2 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 5.8

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0851-06	0.8	SW	Wet, medium dense, black, fine to medium SAND, little coarse sized angular slag, ammonia-like odor.	Vibracore	Fine-Medium Sand
		OL-0851-07	0.8	ML-SM	Wet, soft, black, SILT and fine Sand, little organic (wood pieces), little coarse sub-angular gravel, ammonia-like odor.	Vibracore	Silt/Fine Sand
		OL-0851-09	0.8	ML-SM	0-7 inches: Wet, soft, black, SILT, some fine sand, trace organics (wood pieces), ammonia-like odor; Rest of core is wet, loose, black, fine to medium SAND, some silt, trace shells.	Vibracore	
		OL-0851-10	0.5	SP	Wet, dense, gray, fine SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0851-11	10.6	SM	Wet, dense, gray, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0851-12	5.8	SM	Wet, dense, gray, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
5.8							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60237

Date: 07/27/2009

Weather: High 80s, Winds W-SW 5-10mph, cloudy

Northing: 1116937.47

Easting: 927833.03

Mud Line: 362.3 Ft

Surface Water Depth: 1 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 8

Core Recovery Depth: 6

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0847-01	0.1	SP	Wet, loose, dark gray to black, fine to medium SAND, some fine to coarse sub-angular gravel, some silt, cobble from 3 to 9 inches, trace organics (wood), petroleum-like odor.	Vibracore	Sand
		OL-0847-02	1	ML-CL	0-5 inches: Wet, loose, dark gray to black, fine to medium SAND, some silt, trace coarse angular gravel, trace organics (roots), petroleum-like odor (SM); Rest of core is wet, soft, dark gray to black, SILT and Clay, trace medium sand, trace organics, petroleum like odor (ML-CL).	Vibracore	
		OL-0847-04	1.9	ML-CL	0-3 inches: Wet, loose, dark gray to black, fine SAND, some silt, petroleum-like odor (SM); 3-11 inches: Wet, soft, dark gray, SILT and Clay, some fine sand, petroleum-like odor (ML-CL); Rest of core is wet, loose, dark gray, fine SAND and Silt, trace shells (MARL), slight sulfur odor (SM).	Vibracore	Silt and Clay
		OL-0847-05	7.9	SP	0-7 inches: Wet, dark gray, loose, fine SAND, little silt, trace shells (MARL), sulfur odor (SP); Rest of core is wet, soft, dark gray, SILT, little grading to trace clay, trace fine sand, trace shells, sulfur odor (MARL) (ML).	Vibracore	
		OL-0847-06	55.8	SM	Wet, loose, gray, fine SAND, some silt, trace shells (MARL), sulfur odor.	Vibracore	Marl
5		OL-0847-07	46.8	SP	Wet, loose, gray, fine SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60242

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

Northing: 1117484.03

Easting: 927832.36

Mud Line: 360.8 Ft

Surface Water Depth: 3.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 11

Core Recovery Depth: 9.8

Water Elev: 364.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0880-08	0	SP	Wet, very loose, gray, fine SAND, trace silt, some organics, trace shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0880-09	0	SP/ML	0-6 inches wet, very loose, gray, fine SAND, trace silt, trace shells, sulfur odor (MARL). Rest of core is wet, very soft, gray SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0880-10	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, trace oncolites, sulfur odor (MARL).	Vibracore	
		OL-0880-11	0	ML	Wet, very soft, gray, SILT, little fine sand, little to trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0880-12	0	ML	Wet, very soft, gray, SILT, little fine sand, little to trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5		OL-0880-13	0	ML	Wet, very soft, gray, SILT, little fine sand, little to trace shells, trace organics, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60243

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

Northing: 1117611.67

Easting: 927699.41

Mud Line: 360.2 Ft

Surface Water Depth: 4.1 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 12

Core Recovery Depth: 7.1

Water Elev: 364.3 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0880-01	0	SP	Wet, very loose, black, fine SAND, trace silt, trace shells, trace organics, petroleum-like odor. Rainbow sheen, top 3 inches contains large wood fragments, some organics and elastic pieces (bits of rubber band).	Vibracore	Fine Sand
		OL-0880-02	0	SP/ML	0-8.5 inches is wet, loose, black to gray, fine SAND, trace silt, trace shells, petroleum-like odor, trace organics (MARL). Rest of the core is wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor, trace organics (MARL), (SM).	Vibracore	Marl
		OL-0880-04	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0880-05	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0880-06	0	ML	Wet, very soft, gray, SILT, little to trace fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
5		OL-0880-07	0	ML	Wet, very soft, brown, SILT, trace fine sand, trace clay, low plasticity, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60244

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

Northing: 1117753.74

Easting: 927503.98

Mud Line: 357.5 Ft

Surface Water Depth: 6.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 10

Core Recovery Depth: 6.3

Water Elev: 363.9 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0877-01	0	SP	Wet, very loose, dark gray, fine SAND, trace silt, trace fine rounded gravel in top 2 inches, slight petroleum-like odor. Top 6 inches has light brown discoloration.	Vibracore	Fine Sand
		OL-0877-02	0.2	ML	0-4 inches is wet, loose, dark gray to light brown, SILT, little fine sand, slight petroleum-like odor, trace shells. Rest of core is wet, soft, light brown SILT, little to some fine sand, trace shells, slight sulfur odor (MARL).	Vibracore	Silt
		OL-0877-03	0	ML	Wet, very soft, light brown, SILT, little fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-0877-04	0.1	ML	Wet, very soft, light brown, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0877-05	0.3	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0877-06	0	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60245

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

# Honeywell

Northing: 1117882.36

Easting: 927381.58

Mud Line: 354.6 Ft

Surface Water Depth: 9.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 10

Core Recovery Depth: 6.8

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0877-07	0	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, fine sand seam with wood fragments from 8-10 inches, petroleum-like odor.	Vibracore	Silt
		OL-0877-08	0.2	ML	Wet, very soft, black to brown, SILT, trace fine sand, trace clay, some pin-sized NAPL globules in top two inches, trace organics.	Vibracore	
		OL-0877-10	0.4	ML	Wet, very soft, black and light brown, SILT, trace clay, trace organics, petroleum-like odor, low plasticity, trace shells, slight petroleum-like odor.	Vibracore	
		OL-0877-11	0	ML	Wet, very soft, dark gray to light brown, SILT, trace fine sand, trace clay, trace shells, slight sulfur odor (MARL).	Vibracore	Marl
		OL-0877-12	0.8	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, slight sulfur odor (MARL).	Vibracore	
5		OL-0877-13	0.9	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
6.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60246

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

Northing: 1118668.02

Easting: 928068.98

Mud Line: 359.5 Ft

Surface Water Depth: 4.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 12

Core Recovery Depth: 6

Water Elev: 364.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0880-14	0	SP	Wet, medium dense, black, fine SAND, trace silt, trace shells, petroleum-like odor. Bottom 2 inches is gray, soft, SILT, little fine sand, trace shells (MARL).	Vibracore	Marl
		OL-0880-15	0	ML	Wet, very soft, gray, SILT, trace fine sand, trace organics, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0880-16	0	ML	Wet, very soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0880-17	0	ML	Wet, very soft, gray, SILT, trace fine sand, little shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0880-18	0	ML	Wet, very soft, gray, SILT, trace fine sand, trace clay, trace shells, trace organics, low plasticity, sulfur odor (MARL).	Vibracore	
5		OL-0880-19	0	ML	Wet, very soft, gray, SILT, trace fine sand, trace clay, trace shells, trace organics, low plasticity, sulfur odor (MARL). 2-inch x 1-inch fruit pit at 8 inches.	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60247

Date: 08/05/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1119301.60

Easting: 928540.08

Mud Line: 360.6 Ft

Surface Water Depth: 2.7 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 5.9

Water Elev: 363.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0871-01	0	ML	0-3 inches is wet, very loose, black, fine SAND, trace silt, petroleum-like odor (SP); Rest of core is wet, very soft, light brown, SILT, trace fine sand (ML).	Vibracore	Fine Sand
		OL-0871-02	0	SW	Wet, very loose, dark gray, fine to medium SAND, petroleum-like odor.	Vibracore	Silt
		OL-0871-03	0	ML	Wet, very soft, green-gray, SILT, trace fine sand, trace shells, trace organics (MARL).	Vibracore	Fine-Medium Sand
		OL-0871-05	0	ML	Wet, very soft, green-gray, SILT, trace fine sand, trace shells, trace organics (MARL).	Vibracore	Marl
		OL-0871-06	0	ML	Wet, very soft, green-gray, SILT, trace fine sand, trace shells, trace organics (MARL).	Vibracore	
5		OL-0871-07	0	ML	Wet, very soft, green-gray, SILT, trace fine sand, trace shells, trace organics (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60248

Date: 08/05/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1119294.65

Easting: 928318.39

Mud Line: 360.4 Ft

Surface Water Depth: 2.9 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 6.7

Water Elev: 363.3 Ft

Attempts: 2

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0871-08	0	SW	0-8 inches is wet, loose, dark gray, fine to medium SAND, trace organics, petroleum-like odor (SW); Rest of core is wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor (ML).	Vibracore	Fine-Medium Sand
		OL-0871-09	0	SW	Wet, very loose, dark gray, fine to medium SAND, little organics, trace shells, petroleum-like odor (MARL).	Vibracore	Silt
		OL-0871-10	0	SW	0-9 inches is wet, very loose, dark gray, fine to medium SAND, trace shells, little organics, slight petroleum-like odor (MARL) (SW); Rest of core is wet, very loose, green-gray, fine SAND, trace shells (MARL) (SP).	Vibracore	Marl
		OL-0871-11	0	SP	0-10 inches is wet, very loose, green-gray, fine SAND, trace organics, trace shells (MARL) (SP); Rest of core is wet, very soft, light brown, SILT, trace organics, trace shells (MARL) (ML).	Vibracore	
		OL-0871-12	0	ML	Wet, very soft, light brown, SILT, trace fine sand, trace organics, trace shells, (MARL).	Vibracore	
5		OL-0871-13	0	ML	Wet, very soft, light brown, SILT, trace fine sand, trace organics, trace shells (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60249

Date: 08/04/2009

Weather: High 80s, sun&amp;clouds, Winds NW 10-15mph

Northing: 1119270.65

Easting: 928017.80

Mud Line: 355.9 Ft

Surface Water Depth: 7.5 Ft

Driller: QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10

Core Recovery Depth: 7.9

Water Elev: 363.4 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0861-07	0.2	ML	wet, very soft, black, SILT, little organics, petroleum-like odor.	Vibracore	Silt
		OL-0861-08	0.8	ML	wet, very soft, black, SILT, little organics, petroleum-like odor.	Vibracore	
		OL-0861-09	0	ML/SW	0-5 in is wet, very soft, black, SILT, little organics, petroleum-like odor. Rest of core is wet, loose, dark grey, fine SAND, little silt, little shells, trace organics, slight petroleum-like odor, (MARL).	Vibracore	
		OL-0861-10	0	ML	Wet, very soft, SILT, little fine sand, trace organics, trace shells, slight sulfur odor, (MARL).	Vibracore	Marl
		OL-0861-11	0	ML	Wet, very soft, SILT, little fine sand, trace organics, trace shells, slight sulfur odor, (MARL).	Vibracore	
5		OL-0861-12	0	ML	Wet, very soft, brown, SILT, trace fine sand, some shells, trace organics, slight sulfur odor, (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60250

Date: 08/13/2009

Weather: Mid 80s. Wind 5-10 NNE. Mix Sun/Clouds. Humid

Northing: 1119805.43

Easting: 928530.42

Mud Line: 359.6 Ft

Surface Water Depth: 4.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 6.1

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0883-09	0	ML	Wet, very soft, black, SILT, trace organics, black fine sand seam at 6 to 7 inches, petroleum-like odor.	Vibracore	Silt
		OL-0883-10	0	SP	0-5 inches is wet, very soft, black, SILT, little fine sand, petroleum-like odor (ML). Rest of core is wet very loose, black, fine SAND, trace shells, petroleum-like odor (SP).	Vibracore	
		OL-0883-11	0	SP	0-3 inches is wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor (ML). Rest of core is wet very loose, dark gray, SAND, trace shells, petroleum-like odor, little organics at 9-10 inches (SP).	Vibracore	Sand
		OL-0883-12	0	SP	0-2 inches is wet, very soft, gray, SILT, some organics (ML). Rest of core is wet, loose, gray, fine SAND, trace shells (MARL).	Vibracore	Silt
		OL-0883-13	0	ML	Wet, very soft, brown, SILT, trace fine sand, trace shells, trace organics.	Vibracore	Marl
5		OL-0883-14	0	ML	Wet, very soft, brown, SILT, trace fine sand, trace shells, trace organics.	Vibracore	
6.1							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60251

Date: 08/13/2009

Weather: Mid 80s. WInd 5-10 NNE. Mix Sun/Clouds.

Northing: 1119816.91

Easting: 928290.67

Mud Line: 357 Ft

Surface Water Depth: 6.9 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 8.4

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0884-09	0	ML	Wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0884-10	0	ML	0-7 inches is wet, very soft, black, SILT, trace fine sand, trace clay, trace organics, petroleum-like odor. Rest of core is wet, very loose, dark gray, fine to medium SAND, trace shells, petroleum-like odor (MARL) (SW).	Vibracore	
		OL-0884-11	0	SW	Wet, very loose, dark gray, fine to medium SAND, trace silt, trace shells, trace organics, petroleum-like odor (MARL).	Vibracore	Marl
		OL-0884-12	0	SP	0-7 inches is wet, very loose, dark gray and black, fine SAND, trace organics, trace shells, petroleum-like odor (MARL) (SP). Rest of core is wet, very soft, brown and black, SILT, trace shells, petroleum-like odor (MARL) (ML).	Vibracore	
		OL-0884-13	0	ML	Wet, very soft, black and gray, SILT, trace fine sand, trace shells, little organics, organic odor (MARL).	Vibracore	
5		OL-0884-14	0	ML	Wet, very soft, brown and light brown, SILT, trace fine sand, trace shells, trace organics (MARL).	Vibracore	
6.0							



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60252

Date: 08/13/2009

Weather: Mid 80s. Wind 5-10 NNE. Mix Sun/Clouds.

Northing: 1119831.97

Easting: 928154.05

Mud Line: 355.6 Ft

Surface Water Depth: 8.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 7.7

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0884-02	0	ML	Wet, very soft, black, SILT, trace clay, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0884-03	0	ML	Wet, very soft, dark gray to black, SILT, trace fine sand, trace clay, petroleum-like odor.	Vibracore	
		OL-0884-04	0	SP	0-2 inches is wet, very soft, black, SILT, petroleum-like odor (ML). 2-10 inches is wet, very loose, dark gray, fine SAND, trace shells, trace organics, petroleum-like odor (SP). Bottom 2 inches is wet, very soft, black, SILT, trace fine sand, petroleum-like odor (ML).	Vibracore	Sand
		OL-0884-05	0	ML	0-10 inches is wet, very soft, dark-gray and black SILT, trace clay, trace organics (ML). Rest of core is wet, very loose, gray, fine to medium SAND, trace shells (MARL).	Vibracore	Silt
		OL-0884-07	0	ML-CL	Wet, very soft, brown and black laminated, SILT and Clay, trace fine sand (ML/CL).	Vibracore	Marl
5		OL-0884-08	0	ML-CL	Wet, very soft, brown and black laminated, SILT and Clay, trace fine sand, trace shells, trace organics. (ML/CL).	Vibracore	Silt and Clay
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60253

Date: 08/12/2009

Weather: Low 80s. Wind 5-10 NNW. Sun/Cloud/Rain.

Northing: 1120424.41

Easting: 928499.87

Mud Line: 359.2 Ft

Surface Water Depth: 5.1 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 12

Core Recovery Depth: 8.4

Water Elev: 364.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0882-01	0	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-0882-02	0	SM	Wet, very loose, light brown, fine to medium SAND, some silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0882-04	0	ML	Wet, very soft, light brown, SILT, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0882-05	0	ML	Wet, very soft, light brown and brown laminated, SILT, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0882-06	0	ML	Wet, very soft light brown and brown laminated, SILT, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0882-07	0	ML	Wet, very soft, light brown and brown laminated, SILT, little fine to medium sand, trace shells, sulfur odor, trace organics (MARL).	Vibracore	
		OL-0882-08	0	ML	Wet, very soft, light brown and brown laminated, SILT, trace fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0882-09	0	ML	Wet, very soft, light brown and brown laminated, SILT, little fine to medium sand, trace shells, sulfur odor (MARL).	Vibracore	
8.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60260

Date: 08/13/2009

Weather: Mid 80s. Wind 5-10 NNE. Mix Sun/Clouds.

Northing: 1120606.82

Easting: 928222.55

Mud Line: 356.4 Ft

Surface Water Depth: 7.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 5.7

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID Reading	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0883-16	0	SP	Wet, loose, dark gray, fine SAND, trace shells, trace organics, petroleum-like odor (MARL).	Vibracore	Marl
		OL-0883-17	0	ML	Wet, very soft, black to dark gray, SILT, little fine sand, trace shells, trace organics (MARL).	Vibracore	
		OL-0883-18	0	SW	0-4 inches is wet, very soft, gray, SILT, trace organics, trace shells (MARL). Rest of core is wet, very loose, light brown, fine to medium SAND, trace silt, trace shells, trace organics (MARL).	Vibracore	
		OL-0883-19	0	ML	Wet, very soft, brown and light brown, SILT, trace fine sand, trace shells (MARL).	Vibracore	
		OL-0883-20	0	ML	Wet, very soft, brown and light brown, SILT, trace fine sand, trace shells (MARL).	Vibracore	
5		OL-0884-01	0	ML	Wet, very soft, brown and light brown, SILT, trace fine sand, trace shells (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-60261

Date: 08/12/2009

Weather: Low 80s. Wind 5-10 NNW. Sun/Clouds/Rain

Northing: 1120847.380000

Easting: 928037.180000

Mud Line: 355.9 Ft

Surface Water Depth: 8.4 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 12

Core Recovery Depth: 8.3

Water Elev: 364.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0880-20	0	SP	Wet, very loose, dark gray, fine SAND, trace silt, trace shells, trace organics, slight petroleum-like odor, trace oncolites at top of core.	Vibracore	Marl
		OL-0881-01	0	SM	Wet, very loose, gray, fine SAND, little silt, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0881-02	0	SM	Wet, very loose, gray, fine SAND, trace to little silt, trace shells, trace organics (MARL).	Vibracore	
		OL-0881-03	0	SM	Wet, very loose, gray, fine SAND, little silt, trace shells, Silt and Clay seam from 2 inches to 5 inches (MARL).	Vibracore	
		OL-0881-04	0	SM	Wet, very loose, gray, fine SAND, little silt, trace shells, black. Silt seam at 2-3 inches, 4-4.5 inches, 6.5-8.5 inches and 10.5-12 inches, (MARL).	Vibracore	
5		OL-0881-05	0	ML	Wet, very soft, dark-gray to black, SILT, trace fine sand, trace shells, slight sulfur odor (MARL).	Vibracore	
6.0							

# Honeywell

**Weather: Sunny, mid to high 80s, winds 10-20mph N-NW**

Depth Units: Ft

[illegible]



Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-70130**

Start/End Date: 06/24/2009 - 06/26/2009

**Weather: Sunny, mid to high 80s, winds 10-20mph N-NW**



**Northing: 1116316.89**

Easting: 926926.46

**Mud Line: 361.35 Ft**

**Surface Water Depth: 2.5 Ft**

**Drilling Company: Atlantic Testing**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

Borehole Geologist: HMP/SBD Rig Type: CME75

**Total Depth: 73.0 Ft**

**Water Elevation: 363.85**

Depth Units: Ft

[illegible]



Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-70130**

Start/End Date: 06/24/2009 - 06/26/2009

**Weather: Sunny, mid to high 80s, winds 10-20mph N-NW**



**Northings: 1116316.89**

Easting: 926926.46

**Mud Line: 361.35 Ft**

**Surface Water Depth: 2.5 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: HMP/SBD Rig Type: CME75

**Total Depth: 73.0 Ft**

**Water Elevation: 363.85**

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-70130

Start/End Date: 06/24/2009 - 06/26/2009

Weather: Sunny, mid to high 80s, winds 10-20mph N-NW

Northing: 1116316.89

Easting: 926926.46

Mud Line: 361.35 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: HMP/SBD Rig Type: CME75

Total Depth: 73.0 Ft

Water Elevation: 363.85

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray and greenish gray, thinly bedded SILT, trace clay, sewage-like odor.	2SS-140H	Silt
			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray and greenish gray, thinly bedded SILT, trace clay, sewage-like odor.	2SS-140H	
							Shelby Tube.	Shelby	
65			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray and greenish gray, laminated SILT, little odor.	2SS-140H	
							Drill down from 68 to 69 ft.		
							Shelby Tube.	Shelby	
70			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray and lighter gray, laminated SILT, laminations ~1/16 - 1/8".	2SS-140H	
73.0									

Note: Null fields indicate readings were not taken.

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-70131

Start/End Date: 06/30/2009 - 07/01/2009

Weather: Low 70s, winds 10-15mph W-SW, cloudy

Northing: 1116516.92

Easting: 927043.89

Mud Line: 361.35 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD/TB Rig Type: CME75

Total Depth: 70.0 Ft

Water Elevation: 363.52

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0			WH-WH-WH-WH	0	0	SW	Wet, very loose, tan-gray, fine and medium SAND, organic odor.	2SS-140H	Sand
			WH-WH-WH-WH	0	0.1	SW	wet, very loose, tan-gray, fine and medium SAND, organic odor.	2SS-140H	
5							Shelby Tube.	Shelby	Marl
			WH-WH-WH-WH	0	0.1	ML-SM	Wet, very soft, greenish tan, SILT and fine Sand, trace shells, sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	0.1	ML-SM	Wet, very soft, greenish tan, SILT and fine Sand, trace shells, sulfur odor.	2SS-140H	
10			WH-WH-WH-WH	0	0	ML-SM	Wet, very soft, greenish tan, SILT and fine Sand, trace small shells, sulfur odor.	2SS-140H	
			WH-WH-WH-WH	0	0	ML-SM	Wet, very soft, greenish tan, SILT and fine Sand, trace small shells, sulfur odor.	2SS-140H	
							Shelby Tube.	Shelby	
15			WR-WR-WR-WR	0	0	ML-SM	Wet, very soft, tan, SILT and fine SAND, trace shells, sulfur odor.	2SS-140H	
							Drill down from 18 to 19 ft.		
20							Shelby Tube.	Shelby	



## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-70131

Start/End Date: 06/30/2009 - 07/01/2009

Weather: Low 70s, winds 10-15mph W-SW, cloudy

Northing: 1116516.92

Easting: 927043.89

Mud Line: 361.35 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD/TB Rig Type: CME75

Total Depth: 70.0 Ft

Water Elevation: 363.52

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
40			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray, SILT, trace clay, trace shells.	2SS-140H	Marl
			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray, SILT, trace clay, trace shell fragments.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray, SILT, trace clay, trace shell fragments.	2SS-140H	
45			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray, SILT, trace clay, trace shell fragments.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray, SILT, trace clay, trace shell fragments.	2SS-140H	
			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray and lighter gray, SILT, little clay, trace shells in top of sample.	2SS-140H	
50			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark and light gray, SILT, little clay, laminated and alternating colors, sewage-like odor.	2SS-140H	Silt
			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark and light gray, SILT, little clay, laminated and alternating colors, sewage-like odor.	2SS-140H	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark and light gray, SILT, little clay, laminated and alternating colors, sewage-like odor, rapid dilatancy and non-plastic.	2SS-140H	
55			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark and light gray, SILT, little clay, laminated and alternating colors, sewage-like odor, rapid dilatancy and non-plastic.	2SS-140H	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark and light gray, SILT, little clay, laminated and alternating colors, sewage-like odor, rapid dilatancy and non-plastic.	2SS-140H	
60							Shelby Tube.	Shelby	





Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-70131

Start/End Date: 06/30/2009 - 07/01/2009

Weather: Low 70s, winds 10-15mph W-SW, cloudy

Northing: 1116516.92

Easting: 927043.89

Mud Line: 361.35 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD/TB Rig Type: CME75

Total Depth: 70.0 Ft

Water Elevation: 363.52

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60							Shelby Tube.	Shelby	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray to gray, SILT, some clay, laminated and alternating colors, sewage-like odor, rapid dilatancy and non-plastic.	2SS-140H	
							Shelby Tube.	Shelby	
65							Shelby Tube.	Shelby	
								Shelby	
			WR-WR-WR-WR	0	0	ML	Wet, very soft, gray to dark gray, SILT, some clay, laminated and alternating colors, sewage-like odor.	2SS-140H	
70.0									

Note: Null fields indicate readings were not taken.



# Honeywell

**Weather: Low 70s, winds 5-10mph N-NW, T-storms**

Depth Units: Ft

[illegible]

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-70132**

**Start/End Date: 07/02/2009 - 07/07/2009**

**Weather: Low 70s, winds 5-10mph N-NW, T-storms**



Northings: 1116790.24

Easting: 927164.66

**Mud Line: 361.09 Ft**

**Surface Water Depth: 2.5 Ft**

**Drilling Company: Atlantic Testing**

Driller: Mark Childs

**Borehole Logging Company: PARSONS**

Borehole Geologist: TB/SBD      Rig Type: Barge mtd.CME75

**Total Depth: 71.0 Ft**

Water Elevation: 363.59

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-70132

Start/End Date: 07/02/2009 - 07/07/2009

Weather: Low 70s, winds 5-10mph N-NW, T-storms

Northing: 1116790.24

Easting: 927164.66

Mud Line: 361.09 Ft

Surface Water Depth: 2.5 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: TB/SBD Rig Type: Barge mtd.CME75

Total Depth: 71.0 Ft

Water Elevation: 363.59

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
52			WH-WH-WH-WH	0	0	ML	Wet, very soft, brown and tan, laminated SILT, trace clay.	2SS-140H	
55			WH-WH-WH-WH	0	0	ML	Wet, very soft, dark gray and tan, laminated SILT, trace clay, trace organics (plant matter).	2SS-140H	
			WR-WR-WR-WR	0	0.1	ML	Wet, very soft, dark gray and tan, laminated SILT, trace clay, trace organics (plant matter).	2SS-140H	
			WR-WR-WR-WH	0	0.1	ML	Wet, very soft, dark gray and tan, laminated SILT, trace clay, trace organics (plant matter).	2SS-140H	
60			WR-WR-WR-WR	0	0.3	ML	Wet, very soft, dark gray and tan, laminated SILT, trace clay, trace organics (plant matter).	2SS-140H	
							Shelby Tube.	Shelby	
65			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray and lighter gray-tan, laminated SILT, trace clay.	2SS-140H	
							Drill down from 66 to 67 ft.		
							Shelby Tube.	Shelby	
70			WR-WR-WR-WR	0	0	ML	Wet, very soft, dark gray and light gray-tan, laminated SILT, trace clay.	2SS-140H	
71.0									

Note: Null fields indicate readings were not taken.





# Honeywell

**Weather:** High 60s, Winds W-NW 5-10mph, cloudy

Depth Units: Ft

[illegible]

Site: Onondaga Lake (Syracuse NY)

**Boring No: OL-SB-70133**

**Start/End Date:** 07/07/2009 - 07/08/2009

**Weather:** High 60s, Winds W-NW 5-10mph, cloudy



**Northing: 1117014.90**

Easting: 927229.35

**Mud Line: 360.50 Ft**

**Surface Water Depth: 3.0 Ft**

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: PARSONS**

Borehole Geologist: SBD

Rig Type: CME75

**Total Depth: 74.0 Ft**

Water Elevation: 363.50

Depth Units: Ft

[illegible]



## BORING LOG

Page 4 of 4

# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-SB-70133

Start/End Date: 07/07/2009 - 07/08/2009

Weather: High 60s, Winds W-NW 5-10mph, cloudy

Northing: 1117014.90

Easting: 927229.35

Mud Line: 360.50 Ft

Surface Water Depth: 3.0 Ft

Drilling Company: Atlantic Testing

Driller: Mark Childs

Borehole Logging Company: PARSONS

Borehole Geologist: SBD

Rig Type: CME75

Total Depth: 74.0 Ft

Water Elevation: 363.50

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
60			WR-WR-WR-WR	0	0	ML	Wet, very soft, laminated green-gray and dark gray, SILT, some clay, bioturbated.	2SS-140H	
							Shelby Tube.	Shelby	
							Shelby Tube.	Shelby	
65			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, laminated greenish gray and dark gray, SILT and Clay, some bioturbation.	2SS-140H	
							Drill down from 67 to 68 ft.		Silt and Clay
							Shelby Tube, No Recovery.	Shelby	
70							Shelby Tube.	Shelby	
			WR-WR-WR-WR	0	0	ML/CL	Wet, very soft, dark gray and greenish gray, thinly laminated SILT and Clay.	2SS-140H	
74.0									

Note: Null fields indicate readings were not taken.

# Honeywell

**Weather:** Low 70s, mostly sunny, winds N-NW 5-10

Depth Units: Ft

[illegible]

# Honeywell

Site: Onondaga Lake (Syracuse NY)

**Start/End Date: 08/27/2009 - 08/28/2009**

**Weather:** Low 70s, mostly sunny, winds N-NW 5-10

Easting: 926362.51

**Mud Line: 345.83 Ft**

Surface Water Depth: 17.17 Ft

**Drilling Company: Atlantic Testing**

**Driller: Mark Childs**

**Borehole Logging Company: Parsons**

Borehole Geologist: S. Dillman Rig Type: CME 75 Barge Mtd

**Total Depth: 28.0 Ft**

Water Elevation: 363.00

Depth Units: Ft

[illegible]

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70126

Date: 07/28/2009

Weather: High 80s, Winds SW 10-20mph, sunny

Northing: 1116655.21

Easting: 927626.56

Mud Line: 349.2 Ft

Surface Water Depth: 14 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: H SLETTEN

Penetration Depth: 9

Core Recovery Depth: 7.2

Water Elev: 363.2 Ft

Attempts: 4

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0850-07	28.3	SP	Wet, dense, black, fine SAND, trace silt, little slag, trace glass in top 4 inches, petroleum-like odor.	Vibracore	Fine Sand
		OL-0850-08	23.2	SP	Wet, medium dense to dense, black, fine SAND, trace silt, little fine to coarse sub-angular to sub-rounded gravel, little wood fragments, trace slag, petroleum-like odor.	Vibracore	
		OL-0850-09	25.6	SW	0-10 inches: Wet, medium dense, black, fine to medium SAND, little silt, some shells, little fine sub-rounded gravel, little wood fragment, petroleum-like odor (SW); Rest of core is wet, medium dense, gray-brown, fine SAND, little silt, little shells, sulfur odor (MARL) (SP).	Vibracore	Fine-Medium Sand
		OL-0850-10	21.5	SM	Wet, medium dense, gray-brown, fine SAND and Silt, little medium sand in top 3 inches, little shells, sulfur odor (MARL).	Vibracore	Marl
		OL-0850-11	24.1	SM	Wet, medium dense, gray-brown, fine SAND and Silt, little shells, sulfur odor (MARL).	Vibracore	
5		OL-0850-13	56.8	SM	Wet, medium dense, gray-brown, fine SAND, some silt, little shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70128

Date: 08/04/2009

Weather: High 80s, mix sun &amp; clouds, winds SW 10-15

Northing: 1116298.57

Easting: 927176.35

Mud Line: 362.43 Ft

Surface Water Depth: 0.83 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 15

Core Recovery Depth: 13.5

Water Elev: 363.27 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0861-13	0	SM	Wet, loose, dark grey, fine SAND, some silt, little organics (wood pieces), petroleum-like odor.	Vibracore	Sand
		OL-0861-14	0.2	SW	Wet, loose, dark grey, fine to medium SAND, trace silt, trace shells, petroleum-like odor.	Vibracore	
		OL-0861-16	1.8	SW/ML	0-4 inches is wet, loose, dark gray, fine to medium SAND, trace silt, trace shells, petroleum-like odor. Rest of core is wet, very soft, light brown, SILT, some fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	Marl
		OL-0861-17	2.3	ML-SM	Wet, very soft, light brown, SILT, some fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0861-18	0.5	SM	Wet, very soft, light brown, fine SAND, some silt, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
5		OL-0861-19	0.2	SM	Wet, very soft, light brown, fine SAND, some silt, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0861-20	2.5	SM	Wet, very soft, light brown, fine SAND, some silt, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
7							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70128

Date: 08/04/2009

Weather: High 80s, mix sun &amp; clouds, winds SW 10-15

Northing: 1116298.57

Easting: 927176.35

Mud Line: 362.43 Ft

Surface Water Depth: 0.83 Ft

Driller: Atlantic Testing

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 15

Core Recovery Depth: 13.5

Water Elev: 363.27 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
7		OL-0862-01	2.6	SM	Wet, very soft, light brown, fine SAND, some silt, little shells, trace organics, sulfur odor, (MARL).	Vibracore	Marl
		OL-0862-02	3.1	SM	Wet, very soft, light brown, fine SAND, some silt, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0862-03	4.2	SM	Wet, very soft, light brown, fine SAND, some silt, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
10		OL-0862-04	3	ML	Wet, very soft, light brown, SILT, little fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0862-05	0	ML	Wet, very soft, light brown, SILT, little fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0862-06	0	ML	Wet, very soft, light brown, SILT, little fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0862-07	0.2	ML	Wet, very soft, light brown, SILT, little fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
13.5							



## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70134

Date: 08/10/2009

Weather: Low 80s. Cloudy. Chance T-Showers.

Northing: 1116551.99

Easting: 927024.11

Mud Line: 361 Ft

Surface Water Depth: 2.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 6.8

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0876-01	0.2	SP	Wet, very loose, black, fine SAND, trace silt, trace organics, petroleum-like odor.	Vibracore	Fine Sand
		OL-0876-02	4.1	SP	0-2 inches is wet, very soft, black, SILT, trace organics, petroleum-like odor. Rest of core is wet, loose, green-gray, fine SAND, trace shells, slight petroleum-like odor (MARL).	Vibracore	Marl
		OL-0876-03	3.1	ML	0-3 inches is wet, loose, green-gray, fine SAND, trace shells, petroleum-like odor (MARL) (SP). Rest of core is wet, very soft, light brown, SILT, little fine sand, trace shells, sulfur odor (MARL) (ML).	Vibracore	
		OL-0876-04	8.7	ML	Wet, very soft, light brown, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0876-05	4.2	SW	Wet, very loose, light brown, fine to medium SAND, little silt, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0876-06	4.6	ML	Wet, very soft, light brown, SILT, little fine to medium SAND, trace shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70135

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

Northing: 1116829.05

Easting: 927449.17

Mud Line: 361.1 Ft

Surface Water Depth: 3.2 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARAH CHMURA

Penetration Depth: 12

Core Recovery Depth: 10.2

Water Elev: 364.3 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0878-01	0	ML-SM	0-5 inches is wet, loose, black, fine SAND, little silt, trace shells, petroleum-like odor. Rest of core is wet, very soft, light brown, SILT, some fine sand, trace shells, slight petroleum-like odor (MARL).	Vibracore	Fine Sand
		OL-0878-02	0	SM	Wet, loose, light brown with black in top 7 inches, fine SAND, some silt, trace shells, trace organics, sulfur odor (MARL).	Vibracore	Marl
		OL-0878-03	0	ML-SM	Wet, very soft, light brown, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0878-05	0	ML-SM	Wet, very soft, light brown, SILT, some fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0878-06	0	ML-SM	Wet, very soft, light brown, SILT, some fine sand grading to little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
5		OL-0878-07	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0878-08	0	ML	Wet, very soft, gray, SILT, little fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0878-09	1.5	ML	Wet, very soft, gray, SILT, little fine sand grading to trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0878-10	38.6	ML	Wet, very soft, gray, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
		OL-0878-11	3.6	ML	Wet, very soft, gray, SILT, trace fine sand, trace shells, sulfur odor (MARL).	Vibracore	
10.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70136

Date: 08/10/2009

Weather: Low 80s. Cloudy. Chance T-Showers.

Northing: 1116835.03

Easting: 926894.19

Mud Line: 358 Ft

Surface Water Depth: 5.8 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: XIAODONG HUANG

Penetration Depth: 10

Core Recovery Depth: 7.6

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0876-08	0	ML	Wet, very soft, black, SILT, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0876-09	4.4	ML	Wet, very soft, black, SILT, trace clay, petroleum-like odor.	Vibracore	
		OL-0876-11	0.1	ML/SP	0-6 inches is wet, very soft, black, SILT, trace fine sand, trace organics, petroleum-like odor (ML). Rest of core is wet, very loose, black, fine SAND, trace organics, petroleum-like odor (SP).	Vibracore	Fine Sand
		OL-0876-12	0.1	SW	0-9 inches is wet, very loose, black, fine SAND, trace silt, trace organics, trace shells, petroleum-like odor (SP). Rest of core is wet, very loose, light brown, fine to medium SAND, trace shells, sulfur odor (SW).	Vibracore	
		OL-0876-13	0	SP	Wet, very loose, light brown fine SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	Marl
5		OL-0876-14	0	SP	Wet, very loose, light brown, fine SAND, trace silt, trace shells, sulfur odor (MARL).	Vibracore	
6.0							

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70137

Date: 08/11/2009

Weather: Mid 80s. Wind 10-15 NW. Mix Sun/Clouds.

# Honeywell

Northing: 1117156.44

Easting: 927211.47

Mud Line: 358.4 Ft

Surface Water Depth: 5.5 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: SARA CHMURA

Penetration Depth: 10

Core Recovery Depth: 6.4

Water Elev: 363.9 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0877-14	0.2	ML	Wet, very soft, black, SILT, trace fine sand, trace organics, fine sand seam at 8-9 inches, petroleum-like odor.	Vibracore	Silt
		OL-0877-15	0	SM	Wet, very loose, dark gray, fine SAND, little to trace silt, trace shells, slight petroleum-like odor, silt seam at 7-8 inches.	Vibracore	Fine Sand
		OL-0877-16	0	SP	0-7 inches: Wet, loose dark gray fine SAND, little to trace silt, trace shells, slight petroleum-like odor, large piece of metal at 2 inches (1-inch thick). Rest 7-12 inches: Wet, very soft, tan SILT, some fine sand, trace shells, sulfur odor (MARL), (SM).	Vibracore	
		OL-0877-17	0	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, trace organics, sulfur odor (MARL).	Vibracore	
		OL-0877-18	0	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, trace organics, sulfur odor.	Vibracore	
5		OL-0877-19	0	ML	Wet, very soft, light brown, SILT, trace fine sand, trace shells, trace organics, sulfur odor.	Vibracore	Marl
6.0							

## BORING LOG

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# Honeywell

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-70138

Date: 08/04/2009

Weather: High 80s, mix, sun &amp; clouds, winds SW 10-15

Northing: 1117299.28

Easting: 927085.08

Mud Line: 362.43 Ft

Surface Water Depth: 0.83 Ft

Driller: Anchor QEA

Logging Company: PARSONS

Geologist: HMP

Penetration Depth: 10.5

Core Recovery Depth: 6.4

Water Elev: 363.27 Ft

Attempts: 3

Depth Units: Ft

Depth Ft	Recov	Sample ID	PID (ppm)	USCS Code	Soil Description	Sample Method	Stratum
0		OL-0861-01	0.1	SM	Wet, loose, black, fine SAND, some silt, little organics, slight petroleum-like odor.	Vibracore	Fine Sand
		OL-0861-02	0	ML	0-3 in is wet, loose, black, fine SAND, some silt, little organics, slight petroleum-like odor. Rest of core is wet, very soft, black SILT, trace fine sand, trace organics, petroleum-like odor.	Vibracore	Silt
		OL-0861-03	0	SW	Wet, loose, dark grey, fine to medium SAND, little silt, trace organics, trace shells, petroleum-like odor.	Vibracore	Fine to Medium Sand
		OL-0861-04	0	ML	0-6 in is wet, loose, grey, fine to medium SAND, trace silt, some shells, slight petroleum-like odor. Rest of core is wet, very soft, light brown, SILT, trace fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
		OL-0861-05	0	ML	Wet, very soft, light brown, SILT, little fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	MARL
5		OL-0861-06	0.1	ML	Wet, very soft, light brown, SILT, little fine sand, little shells, trace organics, sulfur odor, (MARL).	Vibracore	
6.0							

Note: Penetration greater than target 6 feet to ensure sufficient sample volume.