

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20054

Date: 05/09/2006

Weather: Sunny, calm, 60 deg F.

Northing: 1117943.4
 Easting: 923227.4
 Mud Line: 348.10 Ft
 Surface Water Depth: 14.6 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 35

Water Elev: 362.70 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0124-62	1.2		ML	Wet, very soft, black, SILT, trace fine sand, little organic fibers, petroleum-like odor.	Vibracore	SILT
	OL-0124-61	10.4		ML	Wet, very soft, black to dark gray, SILT, trace fine sand, trace organic fibers, slag, heavy petroleum-like odor.	Vibracore	
5	OL-0124-60	12		SOLW	Top 6in wet, very soft, dark gray, SILT, trace fine sand, slag, petroleum-like odor, rest of core gray white, wet, soft, silt like grains, trace organics, mothball odor.	Vibracore	SOLVAY WASTE
10	OL-0124-59	102		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, moth ball odor, isolated NAPL stringer at 14 inches from bottom of core.	Vibracore	
	OL-0124-56	2874		SOLW	Wet, grayish white, soft, silt like grains, trace fine sand, mothball odor, 1-inch thick NAPL saturated fine grain sand lens 17 from top of core.	Vibracore	
15	OL-0124-55	3844		SOLW	0 to 32 inches is wet, gray grading to tan silt like grains, trace fine sand, mothball odor. 32-37 is NAPL saturated, gray silt like grains, some fine sand. Rest of core is dry, hard gray CLAY, little silt, trace shells (MARL).	Vibracore	
20	OL-0124-57	32.8		CL	Moist, soft to medium stiff, gray CLAY, little silt, trace shells, moderate plasticity, sulfur odor (MARL).	Vibracore	CLAY (Marl)
22	OL-0124-58						

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20054

Date: 05/09/2006

Weather: Sunny, calm, 60 deg F.

Northing: 1117943.4
 Easting: 923227.4
 Mud Line: 348.10 Ft
 Surface Water Depth: 14.6 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 35

Water Elev: 362.70 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0124-58	4.2		CL	Top 23 inches is moist, medium stiff, gray CLAY, little silt, trace shells, sulfur odor (MARL). Rest of core is gradual change to moist, soft red-brown CLAY, some silt, moderate plasticity, trace black friable organics.	Vibracore	CLAY (Marl)
25							
30				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	Red-brown CLAY
35.0							

Null field readings indicate a reading was not taken.

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20055

Date: 05/10/2006

Weather: Sunny, calm, 55 deg F.

Northing: 1117906.8
 Easting: 923320.2
 Mud Line: 356.30 Ft
 Surface Water Depth: 6.5 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 34 Core Recovery Depth: 32

Water Elev: 362.80 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-53	42.6		GP	Top 12in is wet, loose, black, fine SAND, some coarse poorly sorted gravel, some shells, organic fibers. 12-18in is wet, loose, black, fine to medium SAND, some fine well sorted gravel, petroleum-like and mothball odor, rest of core is cemented SOLW.	Vibracore	Fine SAND/gravel
	OL-0126-54	62.3		SOLW	Top 21in is dark gray, wet, loose, fine SAND, petroleum-like odor, cemented solvay chunks, trace silt, rest of core is wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
5	OL-0124-69	1.3		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0124-68	2.3		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	SOLVAY WASTE
	OL-0124-63	3.2		SOLW	Wet, soft, grayish white with tan banding, silt-like grains, little fine sand, mothball odor, trace organic fibers.	Vibracore	
15	OL-0124-64	248		SOLW	Wet, soft, grayish white, silt like grains, fine sand lenses, mothball odor, isolated NAPL stringers at 10, 20, and 28 inches from top of core.	Vibracore	
19	OL-0124-65						

BORING LOG



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20055

Date: 05/10/2006

Weather: Sunny, calm, 55 deg F.

Northing: 1117906.8
 Easting: 923320.2
 Mud Line: 358.30 Ft
 Surface Water Depth: 6.5 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 34 Core Recovery Depth: 32

Water Elev: 362.80 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
19	OL-0124-65	3680		SOLW	0 to 32 inches is wet, soft, grayish white grading to tan/dark green, silt like grains, trace fine sand lenses, mothball odor. 32-38 inches is NAPL saturated SOLW.	Vibracore	SOLWAY WASTE
20							
25							
30							
	OL-0124-66	29.3		CL	Moist, medium dense to soft, gray, CLAY, little silt, some shells, sulfur odor, moderate plasticity (MARL).	Vibracore	CLAY (Mar)
	OL-0124-67	0.6		CL	Moist, medium stiff, gray, CLAY, little silt, some shells (MARL). At 11-inches from bottom of core sediment grades to moist, soft, red-brown, CLAY, some silt, moderate plasticity.	Vibracore	
				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	Red-brown CLAY

32.0 Null field readings indicate a reading was not taken.

Honeywell

Northing: 1117905.9

Easting: 923418.4

Mud Line: 361.5 Ft

Surface Water Depth: 1.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35.3

Core Recovery Depth: 35.3

Water Elev: 362.8 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0					Material lost out top of sampler, no recovery.		SILT
	OL-0126-71	52.6		SOLW	0-6in is moist, gray to black, cemented solvay chunks, 6-8in is black, hard, silt-like lens, 8-19in is wet soft, grayish white, silt-like grains, trace fine sand, mothball odor, rest of core is wet soft, pink, silt-like grains, trace fine sand, slag.	Vibracore	
	OL-0126-72	3.9		SOLW	0-13in grayish pink, wet, cemented solvay chunks, 13-17in is wet, black, dense, fine sand and gravel, rest of core is green to grayish white, silt-like grains, trace fine sand, mothball odor.	Vibracore	SOLVAY WASTE
5	OL-0126-73	3		SOLW	Wet, soft, tan-white, silt-like grains, trace fine sand, little organics, mothball odor, trace hard silt like lenses throughout.	Vibracore	
	OL-0126-74	1.6		SOLW	Wet, soft, tan-white, silt-like grains, trace fine sand, trace slag towards bottom, grades to greenish gray, 18-21in from top is a gray-green fine sand lense, 31-35in is a black silt lens with organic fibers.	Vibracore	
	OL-0126-75	380		SOLW	Wet, soft, greenish gray to grayish white, silt-like grains, trace fine sand, trace organics, some slag, 3-inch thick NAPL saturated seam at 17-in from bottom of core, mothball odor.	Vibracore	
10	OL-0124-70	2.4		SOLW	Wet, soft, grayish green to gray, silt like grains, trace fine sand, black, slag at 5 inches from top of core to 10 inches, mothball odor.	Vibracore	
	OL-0124-71	0		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
15							
20							



Northing: 1117905.9

Easting: 923418.4

Mud Line: 361.5 Ft

Surface Water Depth: 1.3 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35.3

Core Recovery Depth: 35.3

Water Elev: 362.8 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0124-71						
	OL-0124-72	2.7		SOLW	Wet, soft, light green, silt like grains, isolated NAPL globule 17-inches from top of core.	Vibracore	
25	OL-0124-73	3.8		SOLW	Wet, soft, light green to grayish white, silt like grains, mothball odor.	Vibracore	
	OL-0124-74	11.8		SOLW	Wet, soft, grayish white, silt like grains, wood fragments toward bottom of core, mothball odor.	Vibracore	
30	OL-0124-84	0		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
35							
35.3							

SOLVAY WASTE

Null field readings indicate a reading was not taken.

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20057

Date: 05/11/2006

Weather: Sunny, calm, 70 deg F.



Northing: 1118599.2

Easting: 922483

Mud Line: 360.95 Ft

Surface Water Depth: 1.75 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 32

Core Recovery Depth: 31.7

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-25	14.4		SM	Wet, loose, black, fine SAND, some silt, trace fine rounded gravel, trace organic fibers, petroleum-like odor, bottom 5 inches is gray, fine SAND, little silt, some shells (MARL).	Vibracore	SAND/silt
	OL-0126-26	10.6		SM	Wet, medium dense to dense, gray, fine, SAND and SILT, little shells, trace organic fibers, trace wood, sulfur odor (MARL).	Vibracore	fine SAND-SILT (Marl)
5	OL-0126-27	18.5		SM	Wet, loose, gray, fine SAND and SILT, little shells, trace organic fibers, sulfur odor (MARL).	Vibracore	
	OL-0126-28	13.6		SM	0 to 24 inches is wet, loose, gray, fine, SAND and SILT, some shells, little medium grain sand lenses, sulfur odor, trace organic fiber. Rest of core is wet, soft, gray, SILT and fine SAND, trace clay, some shells, sulfur odor (MARL).	Vibracore	
	OL-0126-29	26.8		SM	Wet, loose, gray, fine SAND and SILT, some shells, medium sand lenses, sulfur odor, trace organic fibers (MARL).	Vibracore	
15	OL-0126-30	27.3		SM	Wet, loose, gray, fine SAND and SILT, some shells, medium sand lenses, sulfur odor, trace organic fibers (MARL).	Vibracore	
	OL-0126-31						
20							

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20057

Date: 05/11/2006

Weather: Sunny, calm, 70 deg F.

Honeywell

Northing: 1118599.2

Easting: 922483

Mud Line: 360.95 Ft

Surface Water Depth: 1.75 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 32

Core Recovery Depth: 31.7

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0126-31	27.9		SM	Wet, loose, gray, fine SAND and SILT, some shells, little medium sand lenses, trace clay towards bottom of core, sulfur odor, trace organic fibers (MARL).	Vibracore	fine SAND-SILT (Mar)
	OL-0126-32	21.6		ML	Wet, loose, gray, fine SAND and SILT, some clay, some shells, sulfur odor (MARL).	Vibracore	
25	OL-0126-33	7.4		ML	Moist, medium dense, gray, SILT and CLAY, little fine sand, some shells, sulfur odor, low plasticity (MARL).	Vibracore	SILT-CLAY (Mar)
30	OL-0126-34	5.6		CL	Moist, medium stiff, gray, CLAY, little silt, some shells, medium grain sand lens at 15 inches from top of core, moderate plasticity, sulfur odor (MARL).	Vibracore	
31.7							

Null field readings indicate a reading was not taken.

Honeywell

Northing: 1118482.5
 Easting: 922559.83
 Mud Line: 360.60 Ft
 Surface Water Depth: 2 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 34 Core Recovery Depth: 32

Water Elev: 362.60 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-35	1.1		ML	Wet, soft, black, SILT and fine SAND, little organic fibers in top 3 inches, fine sand seams through out, petroleum-like odor.	Vibracore	SILT-fine SAND
	OL-0126-36	76.8		SM	0 to 8 inches is wet, soft, black, SILT and fine SAND, trace organic fibers, petroleum-like odor. 8-20 inches is wet, loose, fine SAND, little silt. 20-33 inches is wet, medium dense, fine SAND, some gravel, trace silt, trace organics, 33-34.5 inches is thin NAPL lens.	Vibracore	
5	OL-0126-37	64.8		ML	Wet, soft, black, SILT, little to trace fine sand, organic fibers through out, trace fine angular gravel, 2 inch grass-like seam 4 inches from bottom of core, heavy petroleum-like odor.	Vibracore	
10	OL-0126-38	62.3		SM	Top 12-in of core is wet, very soft, black, SILT, trace fine sand, trace organics, heavy petroleum-like odor. Rest of core is wet, loose, gray, fine SAND, some silt, grading to tanish-gray SILT, some fine sand, some shells, trace organics, sulfur odor (MARL).	Vibracore	SAND/silt (Marl)
	OL-0126-39	23		ML	Top 6 inches is wet, loose, gray, fine SAND, some silt, sulfur odor (SM), rest of core is moist, soft to medium stiff, gray, SILT, some fine sand, trace clay, some shells, sulfur odor (MARL).	Vibracore	
15	OL-0126-40	5		ML	Wet, soft, gray, SILT, some fine sand, little shells, grading to SILT, little fine sand, trace clay, low plasticity, sulfur odor (MARL).	Vibracore	
	OL-0126-41	88.1		ML	Moist, soft to medium dense, gray, SILT, some clay, trace fine sand, little shells, low plasticity, sulfur odor (MARL).	Vibracore	
20							

BORING LOG

Site: Onondaga Lake (Syracuse NY)
 Boring No: OL-VC-20058
 Date: 05/12/2006
 Weather: Overcast, breezy, 60 deg F.



Northing: 1118482.5
 Easting: 922559.83
 Mud Line: 360.60 Ft
 Surface Water Depth: 2 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 34 Core Recovery Depth: 32

Water Elev: 362.60 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0126-41						SAND/silt (Mar)
	OL-0126-42	3115		CL	Moist, medium stiff, gray, CLAY, little silt, little shells, 3-inch thick tan NAPL saturated fine to medium grain sand lens at 12 inches from top of core, moderate plasticity, sulfur odor (MARL).	Vibracore	
25	OL-0126-43	4.1		CL	Moist, medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor (MARL).	Vibracore	CLAY (Mar)
30	OL-0126-44	2.1		CL	Moist, medium stiff, gray, CLAY, little silt, little shells, moderate plasticity, sulfur odor (MARL).	Vibracore	
32.0							

Null field readings indicate a reading was not taken.

BORING LOG

Page 1 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20060

Date: 05/10/2006

Weather: Sunny, calm, 55 deg F.

Honeywell

Northing: 1117970.3

Easting: 923256.9

Mud Line: 347.80 Ft

Surface Water Depth: 15 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.80 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0124-82	5.1		ML	Wet, very soft, black, SILT, trace fine sand, trace organic fibers.	Vibracore	SILT
	OL-0124-81	3.2		SOLW	Wet, soft, dark gray-green to white, silt like grains, mothball odor.	Vibracore	
5	OL-0124-80	1.9		SOLW	Wet, soft, grayish white, silt like grains, small isolated (pin size) NAPL globule 6 inches from top of core, mothball odor.	Vibracore	
	OL-0124-79	1.2		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
10	OL-0124-78	1.9		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0124-75	450		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, NAPL saturated fine sand seam at 14 inches from bottom of core, mothball odor.	Vibracore	
15	OL-0124-76	639		SOLW	0-29 inches is wet, soft, grayish white, silt like grains, trace fine sand, 7-inch thick NAPL saturated SOLW at 22-inches from top of core. Rest of core is moist, medium stiff, gray, CLAY, little silt, trace shells, moderate plasticity (MARL).	Vibracore	
20	OL-0124-77						CLAY (Marl)
22							



Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20060

Date: 05/10/2006

Weather: Sunny, calm, 55 deg F.

Northing: 1117970.3
 Easting: 923256.9
 Mud Line: 347.80 Ft
 Surface Water Depth: 15 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 35 Core Recovery Depth: 35

Water Elev: 362.80 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0124-77	4.9		CL	Moist, medium stiff, gray, CLAY, little silt, trace shells, sulfur odor, moderate plasticity (MARL).	Vibracore	CLAY (Marl)
25	OL-0124-83	0.6		CL	0-24 inches is moist, medium stiff, gray, CLAY, trace to no shells, sulfur odor (MARL). Rest of core is moist, soft, red-brown, CLAY, some silt, moderate plasticity.	Vibracore	
30				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	Red-brown CLAY
35.0							

Null field readings indicate a reading was not taken.

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20061

Date: 05/11/2006

Weather: Sunny, calm, 70 deg F.

Honeywell

Northing: 1117936.038

Easting: 923352.7468

Mud Line: 359.00 Ft

Surface Water Depth: 3.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Parsons

Geologist: SARA CHMURA/JIM SCHUETZ

Rig Type: BARGE MOUNTED CME 75

Total Depth: 42.0 Ft

Water Elev: 362.70 Ft

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
40			WR-WR-WR-WR	0			CL	Wet, very soft, red-brown, Clay and silt.	2SS-140H	Red-brown CLAY
42.0										

Null field readings indicate a reading was not taken.

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20062

Date: 05/10/2006

Weather: Sunny, calm, 55 deg F.



Northing: 1117999.2

Easting: 923286.5

Mud Line: 348.90 Ft

Surface Water Depth: 13.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-76	14.7		ML	0-9in is wet, very soft, black, SILT, little shells, trace fine rounded gravel, trace fine sand, organic odor, rest of core is dark gray to black, SILT, trace clay, petroleum-like odor.	Vibracore	SILT
	OL-0126-77	178		SOLW	Top 11in is wet, gray, very soft, SILT, trace fine sand, trace organic fibers (ML), rest of core is wet, soft to medium stiff, dark gray to grayish white, silt-like grains, trace fine sand, mothball odor, small pin-size isolated NAPL globules at 15-21 in from top.	Vibracore	
5	OL-0126-78	51.8		SOLW	0-18 inches is wet, medium stiff, grayish white to light green, silt-like grains, mothball odor. Rest of core is wet, soft, tanish-white, silt-like grains, trace organics, trace small pin-size isolated NAPL globules at 4in from bottom of core.	Vibracore	SOLWAY WASTE
10	OL-0126-79	4.6		SOLW	Wet, soft, light-green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0124-99	4.6		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, some greenish discoloration.	Vibracore	
15	OL-0124-100	0.7		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0124-96	0.2		SOLW	Wet, soft, grayish white, silt like grains, some fine sand lens, mothball odor.	Vibracore	
20							

Honeywell

Northing: 1117999.2

Easting: 923286.5

Mud Line: 348.90 Ft

Surface Water Depth: 13.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20	OL-0124-96						
	OL-0124-97	0.5		SOLW	0-37 inches is wet, soft, grayish white to dark green, silt like grains, trace fine sand, mothball odor. Rest of core is wet, soft, gray, SILT, some clay, trace fine sand, little shells, (MARL).	Vibracore	SOLWAY WASTE
25	OL-0124-98	1.3		CL	Top 22 inches is dry, hard, gray, CLAY, some silt, little shells, sulfur odor, rest of core is moist, soft to medium stiff, gray CLAY, some silt, trace shells, moderate plasticity, sulfur odor (MARL).	Vibracore	
	OL-0126-80	10.9		CL	Moist, medium stiff, gray, CLAY, little silt, some shells, moderate plasticity, sulfur odor (MARL).	Vibracore	CLAY (Marl)
30	OL-0126-81	22.4		CL	Top 4in is moist, medium stiff, gray, CLAY, little silt, trace shells (MARL). Rest of core is moist, soft, red-brown, CLAY, some silt, some black friable organics, moderate plasticity, some thin silt lenses towards the bottom.	Vibracore	Red-brown CLAY
35.0							

Null field readings indicate a reading was not taken.

Honeywell

Northing: 1117950.5

Easting: 923312.3

Mud Line: 350.00 Ft

Surface Water Depth: 12.7 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 35

Core Recovery Depth: 35

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-10	5.5		ML	Wet, very soft, black, SILT, little fine sand, trace shells in top 2 inches, trace fine angular gravel, petroleum-like odor.	Vibracore	SILT
	OL-0126-09	18.6		SOLW	0-19 inches is wet, very soft, black, SILT, trace organic fibers, heavy petroleum-like odor. 19-29 inches is dark gray to tan, silt like grains, some slag, rest of core is bright green, silt like grains, trace fine sand, mothball odor.	Vibracore	
5	OL-0126-08	1.4		SOLW	Wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	SOLWAY WASTE
	OL-0126-07	3.2		SOLW	Wet, soft, grayish white, silt like grains, trace organics, mothball odor.	Vibracore	
	OL-0126-06	1.2		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, trace organics, mothball odor.	Vibracore	
10	OL-0126-05	1.3		SOLW	Wet, soft, grayish white, silt like grains, medium dense fine sand towards bottom half of core, trace organic fibers, mothball odor.	Vibracore	
15	OL-0126-01	346		SOLW	Wet, medium stiff to soft, grayish white, silt like grains, tan fine sand and silt lenses at 20 inches from top of core and 27 inches from top of core, small NAPL seam at 35 inches from top of core, mothball odor.	Vibracore	
20	OL-0126-02						
22							



Northing: 1117950.5
Easting: 923312.3
Mud Line: 350.00 Ft
Surface Water Depth: 12.7 Ft

Drilling Company: Ocean Survey Inc
Logging Company: Ocean Survey
Geologist: SARA CHMURA
Penetration Depth: 35 **Core Recovery Depth: 35**

Water Elev: 362.70 Ft
Attempts: 1
Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0126-02	241		SOLW	0-11 inches is wet, soft, grayish white, silt like grains, trace fine sand, mothball odor. 11-21 inches is greenish gray to brown, silt like grains, trace fine sand. 21-23 is NAPL saturated SOLW. Rest of core is dry to moist, hard to medium stiff, gray clay.	Vibracore	SOLVAY WASTE
25	OL-0126-03	4.1		CL	Top 4 inches is dry, hard, gray, CLAY, some silt, some shells, sulfur odor. Rest of core is moist, medium stiff, gray, CLAY, some silt, moderate plasticity, little shells, sulfur odor (MARL).	Vibracore	CLAY/silt (Marl)
30	OL-0126-04	0.4		CL	0-19 inches is moist, soft to medium stiff, gray, CLAY, some silt, sulfur odor, trace to no shells (MARL). Rest of core is moist, soft, gray/ red-brown mottled CLAY, some silt, moderate plasticity	Vibracore	
				CL	NOTE: no sample collected, cores archived. Red-brown clay visible through core liner.	Vibracore	Red-brown CLAY

35.0

Null field readings indicate a reading was not taken.



Northing: 1117985.3

Easting: 923211

Mud Line: 347.90 Ft

Surface Water Depth: 14.8 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 34

Core Recovery Depth: 31.2

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-45	3.1		ML	Wet, very soft, black, SILT, trace fine sand, trace organic fibers, trace coal fragments, petroleum-like odor.	Vibracore	SILT
	OL-0126-46	25.8		SOLW	Wet, soft, 0 to 7in is black, silt like grains, trace fine sand, heavy petroleum-like odor, 7in-25in gray green, silt-like grains, slag, heavy petroleum-like odor, rest of core is light green, silt-like grains, trace organics, isolated NAPL globules (pin sized), 4in from bottom of core.	Vibracore	SOLWAY WASTE
5	OL-0126-47	2.7		SOLW	Wet, soft, gray to light green, silt-like grains, trace fine sand, mothball odor.	Vibracore	
	OL-0126-48	0.2		SOLW	Wet, soft, grayish white, silt like grains, trace fine sands, mothball odor.	Vibracore	
10	OL-0126-49	0.4		SOLW	Wet, soft, grayish white, silt like grains, trace fine sands, at 10 inches from bottom of core is a 1 inch thick tan discoloration with grass like fibers, mothball odor.	Vibracore	
	OL-0126-50	0		SOLW	Wet, soft, grayish white, silt like grains, trace fine sands, mothball odor.	Vibracore	
15	OL-0126-11	0.3		SOLW	Wet, soft, grayish white, silt like grains, trace fine sand, mothball odor, 3-inch thick golden brown SOLW at 7 inches from bottom of core. Rest of core is, moist, soft, gray, CLAY, some silt, trace shells (MARL).	Vibracore	
20	OL-0126-51						
22							

BORING LOG

Site: Onondaga Lake (Syracuse NY)

Boring No: OL-VC-20064

Date: 05/01/2006

Weather: Sunny, calm, 58 deg F.



Northing: 1117985.3
Easting: 923211
Mud Line: 347.90 Ft
Surface Water Depth: 14.8 Ft

Drilling Company: Ocean Survey Inc
Logging Company: Ocean Survey
Geologist: SARA CHMURA
Penetration Depth: 34 **Core Recovery Depth: 31.2**

Water Elev: 362.70 Ft
Attempts: 1
Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
22	OL-0126-51	5.5		CL	Wet to moist, medium stiff to hard, gray, CLAY, little silt, trace shells, high plasticity, sulfur odor (MARL).	Vibracore	CLAY (Marl)
25	OL-0126-13	0		CL	Moist, medium stiff, gray, CLAY, little silt, little to trace shells, moderate plasticity, sulfur odor (MARL).	Vibracore	
30	OL-0126-52	0		CL	Moist, soft, red brown CLAY, some silt, trace black friable organics, moderate plasticity.	Vibracore	
31.2							Red-brown CLAY

Null field readings indicate a reading was not taken.

BORING LOG

Site: Onondaga Lake (Syracuse NY)
 Boring No: OL-VC-20065
 Date: 05/11/2006
 Weather: Sunny, calm, 70 deg F.



Northing: 1117968.5
 Easting: 923322.8
 Mud Line: 351.20 Ft
 Surface Water Depth: 11.5 Ft

Drilling Company: Ocean Survey Inc
 Logging Company: Ocean Survey
 Geologist: SARA CHMURA
 Penetration Depth: 34 Core Recovery Depth: 33.9

Water Elev: 362.70 Ft
 Attempts: 1
 Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0	OL-0126-24	87.2		SOLW	Wet, very soft, gray, silt like grains and fine sand, slag, trace organic fibers, mothball odor.	Vibracore	SILT
	OL-0126-23	86.1		SOLW	Top 8 inches, wet, very soft, dark gray, SILT, some fine sand, petroleum-like odor. Rest of core is black to light gray, silt like grains, some fine sand, slag, small pin sized isolated NAPL globules throughout.	Vibracore	
5	OL-0126-22	164		SOLW	Wet, soft, grayish white, silt like grains, isolated NAPL globules at 6 inches from top of core, 28 inches from top, and 35 to 37 inches from top.	Vibracore	SOLVAY WASTE
	OL-0126-21	26.5		SOLW	Wet, soft, light green to grayish white, silt like grains, trace fine sand, mothball odor, isolated NAPL stringer at 2 inches from top of core, and 12 inches from bottom of core.	Vibracore	
	OL-0126-20	8.7		SOLW	Wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
15	OL-0126-19	0		SOLW	Wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
	OL-0126-14	1.3		SOLW	Wet, soft, grayish white, silt like grains, mothball odor.	Vibracore	
21	OL-0126-15						

Honeywell

Northing: 1117968.5

Easting: 923322.8

Mud Line: 351.20 Ft

Surface Water Depth: 11.5 Ft

Drilling Company: Ocean Survey Inc

Logging Company: Ocean Survey

Geologist: SARA CHMURA

Penetration Depth: 34

Core Recovery Depth: 33.9

Water Elev: 362.70 Ft

Attempts: 1

Depth Units: Ft

Depth Ft	Sample ID	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
21	OL-0126-15	279		SOLW	Wet, soft, grayish white, silt like grains, some small silt and sand lenses, small isolated NAPL-like globules, isolated NAPL stringer 4 inches from bottom of core.	Vibracore	SOLVAY WASTE
25	OL-0126-16	7.3		CL	0-12 inches is wet, soft, grayish white, silt like grains, mothball odor, trace organic fibers. 12-21 inches is greenish gray silt like grains. 21-24 inches is dark greenish gray silt like grains grading to moist, hard to stiff, gray, CLAY, little silt.	Vibracore	
30	OL-0126-17	5.6		CL	Moist, hard (top 5-in) to medium stiff, gray, CLAY, little silt, little shells, moderate plasticity (MARL).	Vibracore	CLAY (Marl)
33.9	OL-0126-18	1.3		CL	0-22 inches is moist, medium stiff, gray, CLAY, little silt, trace to no shells, sulfur odor, moderate plasticity (MARL). Rest of core is moist, soft, red-brown, CLAY, some silt, trace black friable organics.	Vibracore	CLAY

Null field readings indicate a reading was not taken.



Northing: 1118503.68

Easting: 922569.62

Mud Line: NA

Surface Water Depth: 4.3 Ft

Drilling Company: Atlantic Testing

Logging Company: Atlantic Testing

Geologist: JIM SCHUETZ

Rig Type: BARGE MOUNTED CME 75

Total Depth: 46.0 Ft

Water Elev: NA

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0			WR-WR-WR-WR	0	0.7		ML	Wet, very soft, black, Silt and fine Sand, organics. Petroleum-like odor.	2SS-140H	
			WR-WR-WR-WR	0	0.8		ML	Upper 1.2: Wet, very soft, black same as above. 1.2 -1.8 Wet, very soft, gray, silt and fine sand like material. 1.8 to 2.0: same as upper portion of spoon. Mixed odor, petroleum-like and chlorobenzene	2SS-140H	SILT-fine sand
5			WR-WR-WR-WR	0	0		ML	Wet, very soft, gray, silt and fine sand like material. Mix petroleum-like and chlorobenzene odor (slight).	2SS-140H	
			WR-WR-WR-WR	0	17.7		ML	Upper 1.8 feet: Wet, very soft, dark gray, silt and clay like material. 1.6 to 1.7 lens of fine wet, very soft, fine SAND, with staining and chlorobenzene odor, and highest PID readings. Lower 0.3 feet: wet	2SS-140H	SILT-CLAY
			WR-WR-WR-WR	0	0.8		OL	Wet, very soft, black, silt and clay like material. Lenses of fibrous material. Slight petroleum-like and chlorobenzene odor.	2SS-140H	
10			WR-WR-WR-WR	0	3.7		OL	Wet, very soft, black, organic silt and clay like material. Fibrous lenses. Petroleum-like and chlorobenzene odor.	2SS-140H	Black Organics
			WR-WR-WR-WR	0	2.1		ML	Upper 1/2 of recovery: Wet, very soft, black, silt and clay like material organics, slight petroleum-like odor, minor sheen. Lower 1/2: wet, very soft, gray, fine SAND and Silt, trace shells, sulfur odor, MARL	2SS-140H	
15			WR-WR-WR-WR	0	0		SW	Wet, very soft, gray, fine SAND and Silt, trace shell fragments. Sulfur odor.	2SS-140H	SAND-SILT (Marl)
			WR-WR-WR-WR	0	0		SW	Wet, very soft, gray, fine SAND and Silt, trace clay, trace shells and shell fragments. Sulfur odor. MARL.	2SS-140H	
20			WR-WR-WR-WR	0	0		ML	Wet, very soft, grayish brown (tan), SILT, some fine Sand, little Clay, trace shells, sulfur odor.	2SS-140H	CLAY-SILT (Marl)



Northing: 1118503.68

Easting: 922589.82

Mud Line: NA

Surface Water Depth: 4.3 Ft

Drilling Company: Atlantic Testing

Logging Company: Atlantic Testing

Geologist: JIM SCHUETZ

Rig Type: BARGE MOUNTED CME 75

Total Depth: 46.0 Ft

Water Elev: NA

Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
40			WR-WR-WR-WR	0	0		ML	Wet, very soft, red brown and dark gray, SILT, some Clay. Higher percent silt in lower half of sample.	2SS-140H	
			WR-WR-WR-WR	0	0		ML	Wet, very soft, red brown and dark gray, Silt and Clay. Higher % Silt in middle 4 inches of sample.	2SS-140H	Red-brown CLAY
45			WR-WR-WR-WR	0	0		CL	Wet, very soft, red brown, Clay and Silt.	2SS-140H	
46.0										

MOVED APPROXIMATELY 10 FEET NORTH OF PROPOSED LOCATION. Null field readings indicate a reading was not taken.