

The electronic version of this file/report should have the file name:

Type of document . Site Number . Year-Month . File Year-Year or Report name . pdf

_____ .pdf

example: letter . Year-Month . File Year-Year . pdf

report . HW.

~~report~~ 93.2032 . 2002 - H - 11 ~~report~~ . Subsurface - Soil - data .pdf

example: report . Site Number . Year-Month . Report Name . pdf

Project Site numbers will be proceeded by the following:

Municipal Brownfields - B

Superfund - HW

Spills - SP

ERP - E

VCP - V

BCP - C

Guterl Subsurface
Soil

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

26

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08606

Sample wt/vol: 4.14 (g/mL) G Lab File ID: F6862.RR

Level: (low/med) MED Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 15.8 Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	-----Chloromethane	1400		U
74-83-9	-----Bromomethane	1400		U
75-01-4	-----Vinyl chloride	1400		U
75-00-3	-----Chloroethane	1400		U
75-09-2	-----Methylene chloride	1400		U
67-64-1	-----Acetone	1400		U
75-15-0	-----Carbon disulfide	1400		U
75-35-4	-----1,1-Dichloroethene	1400		U
75-34-3	-----1,1-Dichloroethane	1400		U
67-66-3	-----Chloroform	1400		U
107-06-2	-----1,2-Dichloroethane	1400		U
78-93-3	-----2-Butanone	860		J
71-55-6	-----1,1,1-Trichloroethane	1400		U
56-23-5	-----Carbon tetrachloride	1400		U
75-27-4	-----Bromodichloromethane	1400		U
78-87-5	-----1,2-Dichloropropane	1400		U
10061-01-5	-----cis-1,3-Dichloropropene	1400		U
79-01-6	-----Trichloroethene	1400		U
124-48-1	-----Dibromochloromethane	1400		U
79-00-5	-----1,1,2-Trichloroethane	1400		U
71-43-2	-----Benzene	1400		U
10061-02-6	-----trans-1,3-Dichloropropene	1400		U
75-25-2	-----Bromoform	1400		U
108-10-1	-----4-Methyl-2-pentanone	1400		U
591-78-6	-----2-Hexanone	1400		U
127-18-4	-----Tetrachloroethene	1400		U
108-88-3	-----Toluene	1400		U
79-34-5	-----1,1,2,2-Tetrachloroethane	1400		U
108-90-7	-----Chlorobenzene	1400		U
100-41-4	-----Ethylbenzene	1400		U
100-42-5	-----Styrene	1400		U
1330-20-7	-----Xylene, Total	1400		U
76-13-1	-----1,1,2-Trichloro-1,2,2-Trifluoroethane	1400		U
156-59-2	-----cis-1,2-Dichloroethene	1400		U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

27

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 4.14 (g/mL) G

Lab File ID: F6862.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 15.8 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	1400	U	
75-71-8	Dichlorodifluoromethane	1400	U	
75-69-4	Trichlorofluoromethane	1400	U	
79-20-9	Methyl Acetate	1400	U	
1634-04-4	Methyl tert-butyl ether	1400	U	
110-82-7	Cyclohexane	1400	U	
108-87-2	Methylcyclohexane	1400	U	
106-93-4	1,2-Dibromethane (Ethylene dibromide)	1400	U	
98-82-8	Isopropylbenzene	1400	U	
541-73-1	1,3-Dichlorobenzene	1400	U	
106-46-7	1,4-Dichlorobenzene	1400	U	
95-50-1	1,2-Dichlorobenzene	1400	U	
96-12-8	1,2-Dibromo-3-chloropropane	14000	U	
120-82-1	1,2,4-Trichlorobenzene	1400	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

28

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 4.14 (g/mL) G

Lab File ID: F6862.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 15.8

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

83

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53980.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 9.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.9

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl) ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	bis(2-Chloroisopropyl) ether	3600	U
98-86-2	Acetophenone	3600	U
106-44-5	4-Methylphenol	3600	U
621-64-7	N-Nitroso-di-N-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy) methane	3600	U
120-83-2	2,4-Dichlorophenol	3600	U
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-methylphenol	3600	U
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	3600	U
95-95-4	2,4,5-Trichlorophenol	3600	U
92-52-4	Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	3600	U
88-74-4	2-Nitroaniline	8700	U
131-11-3	Dimethylphthalate	3600	U
208-96-8	Acenaphthylene	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
99-09-2	3-Nitroaniline	8700	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

84

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: 3 SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53980.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 9.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.9

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	3600	U
51-28-5	2,4-Dinitrophenol	8700	U
100-02-7	4-Nitrophenol	8700	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
7005-72-3	4-Chlorophenylphenylether	3600	U
86-73-7	Fluorene	3600	U
100-01-6	4-Nitroaniline	8700	U
534-52-1	2-Methyl-4,6-dinitrophenol	8700	U
86-30-6	N-Nitrosodiphenylamine	3600	U
101-55-3	4-Bromophenylphenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	8700	U
85-01-8	Phenanthrene	380	J
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	di-n-Butylphthalate	3600	U
206-44-0	Fluoranthene	700	J
129-00-0	Pyrene	520	J
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3'-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	340	J
218-01-9	Chrysene	420	J
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U
117-84-0	di-n-Octylphthalate	3600	U
205-99-2	Benzo(b)fluoranthene	380	J
207-08-9	Benzo(k)fluoranthene	260	J
50-32-8	Benzo(a)pyrene	320	J
193-39-5	Indeno(1,2,3-c,d)pyrene	180	J
53-70-3	Dibenzo(a,h)anthracene	3600	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

85

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53980.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 9.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.9

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

191-24-2-----	Benzo(g,h,i)perylene	190	J
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NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

86

Client No.

B93901

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08606

Sample wt/vol: 30.65 (g/mL) G Lab File ID: Z53980.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 9.9 decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.9

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TETRACHLOROBIPHENYL ISOMER	19.16	2300	J
2.	TETRACHLOROBIPHENYL ISOMER	19.88	1300	J
3.	PENTACHLOROBIPHENYL ISOMER	20.11	820	J
4.	PENTACHLOROBIPHENYL ISOMER	20.18	4200	J
5.	PENTACHLOROBIPHENYL ISOMER	20.43	800	J
6.	PENTACHLOROBIPHENYL ISOMER	20.61	3600	J
7.	PENTACHLOROBIPHENYL ISOMER	20.90	4500	J
8.	HEXACHLOROBIPHENYL ISOMER	21.15	1700	J
9.	HEXACHLOROBIPHENYL ISOMER	21.21	1900	J
10.	HEXACHLOROBIPHENYL ISOMER	21.50	3300	J
11.	UNKNOWN	25.50	910	J
12.	UNKNOWN PAH DER.	25.96	950	J
13.	UNKNOWN PAH DER.	26.55	1200	J

27,780

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

148

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 30.07 (g/mL) G

Lab File ID: RB21435.TX0

% Moisture: 9.9 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 400.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
319-84-6-----	alpha-BHC	710	U
319-85-7-----	beta-BHC	710	U
319-86-8-----	delta-BHC	710	U
58-89-9-----	gamma-BHC (Lindane)	710	U
76-44-8-----	Heptachlor	710	U
309-00-2-----	Aldrin	710	U
1024-57-3-----	Heptachlor epoxide	710	U
959-98-8-----	Endosulfan I (Alpha)	1400	U
60-57-1-----	Dieldrin	1400	U
72-55-9-----	4,4'-DDE	1400	U
72-20-8-----	Endrin	1400	U
33213-65-9-----	Endosulfan II (Beta)	1400	U
72-54-8-----	4,4'-DDD	1400	U
1031-07-8-----	Endosulfan sulfate	1400	U
50-29-3-----	4,4'-DDT	1400	U
72-43-5-----	Methoxychlor	1400	U
53494-70-5-----	Endrin ketone	1400	U
7421-93-4-----	Endrin aldehyde	1400	U
5103-71-9-----	Chlordane (alpha & gamma)	1400	U
5103-74-2-----	Chlordane (alpha & gamma)	1400	U
8001-35-2-----	Toxaphene	14000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

163

Client No.

B93901

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08606

Sample wt/vol: 30.49 (g/mL) G

Lab File ID: LA10004.TX0

% Moisture: 9.9 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 400.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----	PCB-1016	35000	U
11104-28-2----	PCB-1221	35000	U
11141-16-5----	PCB-1232	35000	U
53469-21-9----	PCB-1242	35000	U
12672-29-6----	PCB-1248	35000	U
11097-69-1----	PCB-1254	120000	U
11096-82-5----	PCB-1260	35000	U

NYS DEC

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93901

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237677

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	22.1			P
7440-38-2	Arsenic	5.8			P
7440-39-3	Barium	70.4			P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.54	B		P
7440-47-3	Chromium	1200			P
7440-48-4	Cobalt	328			P
7440-50-8	Copper	548			P
7439-92-1	Lead	215			P
7440-02-0	Nickel	5200			P
7782-49-2	Selenium	3.9		*	P
7440-22-4	Silver	0.24	B		P
7439-97-6	Mercury	0.118		N*	CV
7440-28-0	Thallium	0.43	U		P
7440-62-2	Vanadium	96.8		N	P
7440-66-6	Zinc	223			P
	Tin	240		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 4.13 (g/mL) G

Lab File ID: F6863.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 10.4 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	1400	U
74-83-9-----	Bromomethane	1400	U
75-01-4-----	Vinyl chloride	1400	U
75-00-3-----	Chloroethane	1400	U
75-09-2-----	Methylene chloride	1400	U
67-64-1-----	Acetone	1400	U
75-15-0-----	Carbon disulfide	1400	U
75-35-4-----	1,1-Dichloroethene	1400	U
75-34-3-----	1,1-Dichloroethane	1400	U
67-66-3-----	Chloroform	1400	U
107-06-2-----	1,2-Dichloroethane	1400	U
78-93-3-----	2-Butanone	(810)	J
71-55-6-----	1,1,1-Trichloroethane	(220)	J
56-23-5-----	Carbon tetrachloride	1400	U
75-27-4-----	Bromodichloromethane	1400	U
78-87-5-----	1,2-Dichloropropane	1400	U
10061-01-5----	cis-1,3-Dichloropropene	1400	U
79-01-6-----	Trichloroethene	1400	U
124-48-1-----	Dibromochloromethane	1400	U
79-00-5-----	1,1,2-Trichloroethane	1400	U
71-43-2-----	Benzene	1400	U
10061-02-6----	trans-1,3-Dichloropropene	1400	U
75-25-2-----	Bromoform	1400	U
108-10-1-----	4-Methyl-2-pentanone	1400	U
591-78-6-----	2-Hexanone	1400	U
127-18-4-----	Tetrachloroethene	1400	U
108-88-3-----	Toluene	1400	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1400	U
108-90-7-----	Chlorobenzene	1400	U
100-41-4-----	Ethylbenzene	1400	U
100-42-5-----	Styrene	1400	U
1330-20-7-----	Xylene, Total	1400	U
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	U
156-59-2-----	cis-1,2-Dichloroethene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

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Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 4.13 (g/mL) G

Lab File ID: F6863.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 10.4 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5	trans-1,2-Dichloroethene	1400	U
75-71-8	Dichlorodifluoromethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
79-20-9	Methyl Acetate	1400	U
1634-04-4	Methyl tert-butyl ether	1400	U
110-82-7	Cyclohexane	1400	U
108-87-2	Methylcyclohexane	1400	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1400	U
98-82-8	Isopropylbenzene	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

31

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 4.13 (g/mL) G

Lab File ID: F6863.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 10.4

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

87

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53981.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 6.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	7000	U
108-95-2	Phenol	7000	U
111-44-4	bis (2-Chloroethyl) ether	7000	U
95-57-8	2-Chlorophenol	7000	U
95-48-7	2-Methylphenol	7000	U
108-60-1	bis (2-Chloroisopropyl) ether	7000	U
98-86-2	Acetophenone	7000	U
106-44-5	4-Methylphenol	7000	U
621-64-7	N-Nitroso-di-N-propylamine	7000	U
67-72-1	Hexachloroethane	7000	U
98-95-3	Nitrobenzene	7000	U
78-59-1	Isophorone	7000	U
88-75-5	2-Nitrophenol	7000	U
105-67-9	2,4-Dimethylphenol	7000	U
111-91-1	bis (2-Chloroethoxy) methane	7000	U
120-83-2	2,4-Dichlorophenol	7000	U
91-20-3	Naphthalene	7000	U
106-47-8	4-Chloroaniline	7000	U
87-68-3	Hexachlorobutadiene	7000	U
105-60-2	Caprolactam	7000	U
59-50-7	4-Chloro-3-methylphenol	7000	U
91-57-6	2-Methylnaphthalene	7000	U
77-47-4	Hexachlorocyclopentadiene	7000	U
88-06-2	2,4,6-Trichlorophenol	7000	U
95-95-4	2,4,5-Trichlorophenol	7000	U
92-52-4	Biphenyl	7000	U
91-58-7	2-Chloronaphthalene	7000	U
88-74-4	2-Nitroaniline	17000	U
131-11-3	Dimethylphthalate	7000	U
208-96-8	Acenaphthylene	7000	U
606-20-2	2,6-Dinitrotoluene	7000	U
99-09-2	3-Nitroaniline	17000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

88

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53981.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 6.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	7000	U
51-28-5-----	2,4-Dinitrophenol	17000	U
100-02-7-----	4-Nitrophenol	17000	U
132-64-9-----	Dibenzofuran	7000	U
121-14-2-----	2,4-Dinitrotoluene	7000	U
84-66-2-----	Diethylphthalate	7000	U
7005-72-3-----	4-Chlorophenylphenylether	7000	U
86-73-7-----	Fluorene	7000	U
100-01-6-----	4-Nitroaniline	17000	U
534-52-1-----	2-Methyl-4,6-dinitrophenol	17000	U
86-30-6-----	N-Nitrosodiphenylamine	7000	U
101-55-3-----	4-Bromophenylphenylether	7000	U
118-74-1-----	Hexachlorobenzene	7000	U
1912-24-9-----	Atrazine	7000	U
87-86-5-----	Pentachlorophenol	17000	U
85-01-8-----	Phenanthrene	7000	U
120-12-7-----	Anthracene	7000	U
86-74-8-----	Carbazole	7000	U
84-74-2-----	di-n-Butylphthalate	7000	U
206-44-0-----	Fluoranthene	7000	U
129-00-0-----	Pyrene	7000	U
85-68-7-----	Butylbenzylphthalate	7000	U
91-94-1-----	3,3'-Dichlorobenzidine	7000	U
56-55-3-----	Benzo (a) anthracene	7000	U
218-01-9-----	Chrysene	7000	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	190	J
117-84-0-----	di-n-Octylphthalate	7000	U
205-99-2-----	Benzo (b) fluoranthene	7000	U
207-08-9-----	Benzo (k) fluoranthene	7000	U
50-32-8-----	Benzo (a) pyrene	7000	U
193-39-5-----	Indeno (1,2,3-c,d) pyrene	7000	U
53-70-3-----	Dibenzo (a,h) anthracene	7000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S.
ANALYSIS DATA SHEET

89

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53981.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 6.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 7.7

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

191-24-2-----Benzo(g,h,i)perylene

7000

U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

90

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53981.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 6.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 7.7

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.33	8600	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.38	7100	JN
3.	UNKNOWN PAH DER.	25.96	2000	J
4.	UNKNOWN PAH DER.	26.55	1900	J

19,600

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53981LAB ID A2B08607DATE 11/19/02CLIENT ID B93902

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/Kg)
21.45	Octadecane	593-45-3	1720
22.00	Heneicosane	629-94-7	1830
22.58	TYPE 1		2360
23.18	TYPE 1		1810

•ALKANE TYPES: TYPE 1 = UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2 = UNKNOWN BRANCHED ALKANE
TYPE 3 = UNKNOWN CYCLIC ALKANE
TYPE 4 = UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

147

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 30.61 (g/mL) G

Lab File ID: RB21379.TX0

% Moisture: 6.9 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: -

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	170	U
319-85-7-----	beta-BHC	170	U
319-86-8-----	delta-BHC	170	U
58-89-9-----	gamma-BHC (Lindane)	170	U
76-44-8-----	Heptachlor	170	U
309-00-2-----	Aldrin	170	U
1024-57-3-----	Heptachlor epoxide	170	U
959-98-8-----	Endosulfan I (Alpha)	340	U
60-57-1-----	Dieldrin	340	U
72-55-9-----	4,4'-DDE	340	U
72-20-8-----	Endrin	340	U
33213-65-9----	Endosulfan II (Beta)	1300	U
72-54-8-----	4,4'-DDD	340	U
1031-07-8-----	Endosulfan sulfate	490	U
50-29-3-----	4,4'-DDT	340	U
72-43-5-----	Methoxychlor	1660	U
53494-70-5----	Endrin ketone	340	U
7421-93-4-----	Endrin aldehyde	340	U
5103-71-9-----	Chlordane (alpha & gamma)	340	U
5103-74-2-----	Chlordane (alpha & gamma)	450	U
8001-35-2-----	Toxaphene	3400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

164

Client No.

B93902

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08607

Sample wt/vol: 30.21 (g/mL) G

Lab File ID: LA09764.TX0

% Moisture: 6.9 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----	PCB-1016	4300	U
11104-28-2----	PCB-1221	4300	U
11141-16-5----	PCB-1232	4300	U
53469-21-9----	PCB-1242	4300	U
12672-29-6----	PCB-1248	4300	U
11097-69-1----	PCB-1254	(14000)	U
11096-82-5----	PCB-1260	4300	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93902

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237678

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	13100			P
7440-38-2	Arsenic	1660			P
7440-39-3	Barium	135			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	12.6			P
7440-47-3	Chromium	5370			P
7440-48-4	Cobalt	531			P
7440-50-8	Copper	12600			P
7439-92-1	Lead	174000			P
7440-02-0	Nickel	23200			P
7782-49-2	Selenium	6.0		*	P
7440-22-4	Silver	35.7			P
7439-97-6	Mercury	0.488		N*	CV
7440-28-0	Thallium	0.41	U		P
7440-62-2	Vanadium	182		N	P
7440-66-6	Zinc	4650			P
	Tin	3250		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GREEN

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

32

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 4.06 (g/mL) G

Lab File ID: F6864.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 3.5 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	Chloromethane	1300	U	
74-83-9	Bromomethane	1300	U	
75-01-4	Vinyl chloride	1300	U	
75-00-3	Chloroethane	1300	U	
75-09-2	Methylene chloride	1300	U	
67-64-1	Acetone	1300	U	
75-15-0	Carbon disulfide	1300	U	
75-35-4	1,1-Dichloroethane	1300	U	
75-34-3	1,1-Dichloroethane	1300	U	
67-66-3	Chloroform	1300	U	
107-06-2	1,2-Dichloroethane	1300	U	
78-93-3	2-Butanone	540	J	
71-55-6	1,1,1-Trichloroethane	1300	U	
56-23-5	Carbon tetrachloride	1300	U	
75-27-4	Bromodichloromethane	1300	U	
78-87-5	1,2-Dichloropropane	1300	U	
10061-01-5	cis-1,3-Dichloropropene	1300	U	
79-01-6	Trichloroethene	1300	U	
124-48-1	Dibromochloromethane	1300	U	
79-00-5	1,1,2-Trichloroethane	1300	U	
71-43-2	Benzene	1300	U	
10061-02-6	trans-1,3-Dichloropropene	1300	U	
75-25-2	Bromoform	1300	U	
108-10-1	4-Methyl-2-pentanone	1300	U	
591-78-6	2-Hexanone	1300	U	
127-18-4	Tetrachloroethane	1300	U	
108-88-3	Toluene	1300	U	
79-34-5	1,1,2,2-Tetrachloroethane	1300	U	
108-90-7	Chlorobenzene	1300	U	
100-41-4	Ethylbenzene	1300	U	
100-42-5	Styrene	1300	U	
1330-20-7	Xylene, Total	1300	U	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	1300	U	
156-59-2	cis-1,2-Dichloroethene	1300	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

33

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 4.06 (g/mL) G

Lab File ID: F6864.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 3.5 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	1300	U	
75-71-8	Dichlorodifluoromethane	1300	U	
75-69-4	Trichlorofluoromethane	1300	U	
79-20-9	Methyl Acetate	1300	U	
1634-04-4	Methyl tert-butyl ether	1300	U	
110-82-7	Cyclohexane	1300	U	
108-87-2	Methylcyclohexane	1300	U	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1300	U	
98-82-8	Isopropylbenzene	1300	U	
541-73-1	1,3-Dichlorobenzene	1300	U	
106-46-7	1,4-Dichlorobenzene	1300	U	
95-50-1	1,2-Dichlorobenzene	1300	U	
96-12-8	1,2-Dibromo-3-chloropropane	13000	U	
120-82-1	1,2,4-Trichlorobenzene	1300	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

34

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 4.06 (g/mL) G

Lab File ID: F6864.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 3.5

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

91

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 30.12 (g/mL) G

Lab File ID: Z53982.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 2.1 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde		3400	U
108-95-2	Phenol		3400	U
111-44-4	bis(2-Chloroethyl) ether		3400	U
95-57-8	2-Chlorophenol		3400	U
95-48-7	2-Methylphenol		3400	U
108-60-1	bis(2-Chloroisopropyl) ether		3400	U
98-86-2	Acetophenone		3400	U
106-44-5	4-Methylphenol		3400	U
621-64-7	N-Nitroso-di-N-propylamine		3400	U
67-72-1	Hexachloroethane		3400	U
98-95-3	Nitrobenzene		3400	U
78-59-1	Isophorone		3400	U
88-75-5	2-Nitrophenol		3400	U
105-67-9	2,4-Dimethylphenol		3400	U
111-91-1	bis(2-Chloroethoxy) methane		3400	U
120-83-2	2,4-Dichlorophenol		3400	U
91-20-3	Naphthalene		91	J
106-47-8	4-Chloroaniline		3400	U
87-68-3	Hexachlorobutadiene		3400	U
105-60-2	Caprolactam		3400	U
59-50-7	4-Chloro-3-methylphenol		3400	U
91-57-6	2-Methylnaphthalene		300	J
77-47-4	Hexachlorocyclopentadiene		3400	U
88-06-2	2,4,6-Trichlorophenol		3400	U
95-95-4	2,4,5-Trichlorophenol		3400	U
92-52-4	Biphenyl		3400	U
91-58-7	2-Chloronaphthalene		3400	U
88-74-4	2-Nitroaniline		8100	U
131-11-3	Dimethylphthalate		3400	U
208-96-8	Acenaphthylene		3400	U
606-20-2	2,6-Dinitrotoluene		3400	U
99-09-2	3-Nitroaniline		8100	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 = SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

92

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 30.12 (g/mL) G

Lab File ID: Z53982.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 2.1 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	3400		U
51-28-5	2,4-Dinitrophenol	8100		U
100-02-7	4-Nitrophenol	8100		U
132-64-9	Dibenzofuran	3400		U
121-14-2	2,4-Dinitrotoluene	3400		U
84-66-2	Diethylphthalate	3400		U
7005-72-3	4-Chlorophenylphenylether	3400		U
86-73-7	Fluorene	3400		U
100-01-6	4-Nitroaniline	8100		U
534-52-1	2-Methyl-4,6-dinitrophenol	8100		U
86-30-6	N-Nitrosodiphenylamine	3400		U
101-55-3	4-Bromophenylphenylether	3400		U
118-74-1	Hexachlorobenzene	3400		U
1912-24-9	Atrazine	3400		U
87-86-5	Pentachlorophenol	8100		U
85-01-8	Phenanthrene	730		J
120-12-7	Anthracene	100		J
86-74-8	Carbazole	3400		U
84-74-2	di-n-Butylphthalate	3400		U
206-44-0	Fluoranthene	560		J
129-00-0	Pyrene	480		J
85-68-7	Butylbenzylphthalate	3400		U
91-94-1	3,3'-Dichlorobenzidine	3400		U
56-55-3	Benzo (a) anthracene	180		J
218-01-9	Chrysene	400		J
117-81-7	bis(2-Ethylhexyl)phthalate	790		J
117-84-0	di-n-Octylphthalate	3400		U
205-99-2	Benzo (b) fluoranthene	280		J
207-08-9	Benzo (k) fluoranthene	200		J
50-32-8	Benzo (a) pyrene	120		J
193-39-5	Indeno (1,2,3-c,d) pyrene	89		J
53-70-3	Dibenzo (a,h) anthracene	3400		U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

93

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 30.12 (g/mL) G

Lab File ID: Z53982.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 2.1 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(g,h,i)perylene		120	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

94

Client No.

B93903

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08608

Sample wt/vol: 30.12 (g/mL) G Lab File ID: Z53982.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 2.1 decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.0

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLNAPHTHALENE ISOMER	16.00	1100	J
2.	UNKNOWN HYDROCARBON	16.20	1800	J
3.	UNKNOWN HYDROCARBON	16.71	920	J
4.	UNKNOWN HYDROCARBON	16.93	1600	J
5.	UNKNOWN CYCLOHEXANE DER.	17.51	940	J
6.	UNKNOWN	20.35	3500	J
7. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.40	2400	JN
8.	UNKNOWN PAH DER.	26.00	6900	J
9.	UNKNOWN PAH DER.	26.56	5700	J
10.	UNKNOWN PAH DER.	27.25	2600	J
11.	UNKNOWN PAH DER.	27.81	1500	J

28,960

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53982LAB ID A2B08608DATE 11/19/02CLIENT ID B93903

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(µg/Kg)
15.12	TYPE I		1570
16.45	TYPE II		1330
16.52	Hexadecane	544-76-3	2460
17.25	TYPE I		1340
17.35	Heptodecane	629-78-7	1580
17.40	TYPE II		4670
17.68	TYPE II		1050
17.95	TYPE II		933
18.38	TYPE IV		1070
18.60	TYPE IV		1100
18.68	TYPE IV		2330
18.73	TYPE I		973
19.32	TYPE I		1360
20.42	TYPE I		1830
20.60	TYPE I		1790
21.47	TYPE I		1290
22.00	TYPE IV		4880
22.60	Hexacosane	630-01-3	3100
23.20	TYPE I		3340

*ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
 TYPE 2= UNKNOWN BRANCHED ALKANE
 TYPE 3= UNKNOWN CYCLIC ALKANE
 TYPE 4= UNKNOWN ALKANE

NYS DEC -
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

149

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 30.03 (g/mL) G

Lab File ID: RB21380.TX0

% Moisture: 2.1 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
319-84-6-----	alpha-BHC	16	U
319-85-7-----	beta-BHC	16	U
319-86-8-----	delta-BHC	16	U
58-89-9-----	gamma-BHC (Lindane)	16	U
76-44-8-----	Heptachlor	16	U
309-00-2-----	Aldrin	16	U
1024-57-3-----	Heptachlor epoxide	16	U
959-98-8-----	Endosulfan I (Alpha)	33	U
60-57-1-----	Dieldrin	33	U
72-55-9-----	4,4'-DDE	33	U
72-20-8-----	Endrin	(110)	
33213-65-9----	Endosulfan II (Beta)	(180)	
72-54-8-----	4,4'-DDD	33	U
1031-07-8-----	Endosulfan sulfate	33	U
50-29-3-----	4,4'-DDT	33	U
72-43-5-----	Methoxychlor	(44)	
53494-70-5----	Endrin ketone	33	U
7421-93-4-----	Endrin aldehyde	33	U
5103-71-9-----	Chlordane (alpha & gamma)	33	U
5103-74-2-----	Chlordane (alpha & gamma)	82	
8001-35-2-----	Toxaphene	330	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

165

Client No.

B93903

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08608

Sample wt/vol: 30.27 (g/mL) G

Lab File ID: LA09765.TX0

% Moisture: 2.1 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	160	U
11104-28-2----	PCB-1221	160	U
11141-16-5----	PCB-1232	160	U
53469-21-9----	PCB-1242	160	U
12672-29-6----	PCB-1248	160	U
11097-69-1----	PCB-1254	370	U
11096-82-5----	PCB-1260	160	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93903

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237679

Level (low/med): LOW

Date Received: 11/8/02

Solids: 98

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	N
7440-36-0	Antimony	123			P
7440-38-2	Arsenic	38.0			P
7440-39-3	Barium	145			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	2.3			P
7440-47-3	Chromium	5090			P
7440-48-4	Cobalt	973			P
7440-50-8	Copper	1830			P
7439-92-1	Lead	589			P
7440-02-0	Nickel	18000			P
7782-49-2	Selenium	12.2		*	P
7440-22-4	Silver	1.1			P
7439-97-6	Mercury	0.781		N*	CV
7440-28-0	Thallium	0.40	U		P
7440-62-2	Vanadium	363		N	P
7440-66-6	Zinc	381			P
	Tin	49.4		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: BLACK

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

35

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 4.09 (g/mL) G

Lab File ID: F6865.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 13.7 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	1400	U
74-83-9-----	Bromomethane	1400	U
75-01-4-----	Vinyl chloride	1400	U
75-00-3-----	Chloroethane	1400	U
75-09-2-----	Methylene chloride	1400	U
67-64-1-----	Acetone	1400	U
75-15-0-----	Carbon disulfide	1400	U
75-35-4-----	1,1-Dichloroethene	1400	U
75-34-3-----	1,1-Dichloroethane	1400	U
67-66-3-----	Chloroform	1400	U
107-06-2-----	1,2-Dichloroethane	1400	U
78-93-3-----	2-Butanone	490	J
71-55-6-----	1,1,1-Trichloroethane	1400	U
56-23-5-----	Carbon tetrachloride	1400	U
75-27-4-----	Bromodichloromethane	1400	U
78-87-5-----	1,2-Dichloropropane	1400	U
10061-01-5----	cis-1,3-Dichloropropene	1400	U
79-01-6-----	Trichloroethene	1400	U
124-48-1-----	Dibromochloromethane	1400	U
79-00-5-----	1,1,2-Trichloroethane	1400	U
71-43-2-----	Benzene	1400	U
10061-02-6----	trans-1,3-Dichloropropene	1400	U
75-25-2-----	Bromoform	1400	U
108-10-1-----	4-Methyl-2-pentanone	1400	U
591-78-6-----	2-Hexanone	1400	U
127-18-4-----	Tetrachloroethene	1400	U
108-88-3-----	Toluene	1400	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1400	U
108-90-7-----	Chlorobenzene	1400	U
100-41-4-----	Ethylbenzene	1400	U
100-42-5-----	Styrene	1400	U
1330-20-7-----	Xylene, Total	1400	U
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	U
156-59-2-----	cis-1,2-Dichloroethene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

36

Client No.

B93904

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08609

Sample wt/vol: 4.09 (g/mL) G Lab File ID: F6865.RR

Level: (low/med) MED Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 13.7 Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5-----	trans-1,2-Dichloroethene	1400	U
75-71-8-----	Dichlorodifluoromethane	1400	U
75-69-4-----	Trichlorofluoromethane	1400	U
79-20-9-----	Methyl Acetate	1400	U
1634-04-4----	Methyl tert-butyl ether	1400	U
110-82-7-----	Cyclohexane	1400	U
108-87-2-----	Methylcyclohexane	1400	U
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	1400	U
98-82-8-----	Isopropylbenzene	1400	U
541-73-1-----	1,3-Dichlorobenzene	1400	U
106-46-7-----	1,4-Dichlorobenzene	1400	U
95-50-1-----	1,2-Dichlorobenzene	1400	U
96-12-8-----	1,2-Dibromo-3-chloropropane	14000	U
120-82-1-----	1,2,4-Trichlorobenzene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

37

Client No.

B93904

Lab Name: STL Buffalo Contract: C004154

Lab Code: REONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 4.09 (g/mL) G

Lab File ID: F6865.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 13.7

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

95

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53983.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 16.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.9

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	1900	U
108-95-2-----	Phenol	1900	U
111-44-4-----	bis(2-Chloroethyl) ether	1900	U
95-57-8-----	2-Chlorophenol	1900	U
95-48-7-----	2-Methylphenol	1900	U
108-60-1-----	bis(2-Chloroisopropyl) ether	1900	U
98-86-2-----	Acetophenone	1900	U
106-44-5-----	4-Methylphenol	1900	U
621-64-7-----	N-Nitroso-di-N-propylamine	1900	U
67-72-1-----	Hexachloroethane	1900	U
98-95-3-----	Nitrobenzene	1900	U
78-59-1-----	Isophorone	1900	U
88-75-5-----	2-Nitrophenol	1900	U
105-67-9-----	2,4-Dimethylphenol	1900	U
111-91-1-----	bis(2-Chloroethoxy)methane	1900	U
120-83-2-----	2,4-Dichlorophenol	1900	U
91-20-3-----	Naphthalene	80	J
106-47-8-----	4-Chloroaniline	1900	U
87-68-3-----	Hexachlorobutadiene	1900	U
105-60-2-----	Caprolactam	1900	U
59-50-7-----	4-Chloro-3-methylphenol	1900	U
91-57-6-----	2-Methylnaphthalene	94	J
77-47-4-----	Hexachlorocyclopentadiene	1900	U
88-06-2-----	2,4,6-Trichlorophenol	1900	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
92-52-4-----	Biphenyl	1900	U
91-58-7-----	2-Chloronaphthalene	1900	U
88-74-4-----	2-Nitroaniline	4700	U
131-11-3-----	Dimethylphthalate	1900	U
208-96-8-----	Acenaphthylene	1900	U
606-20-2-----	2,6-Dinitrotoluene	1900	U
99-09-2-----	3-Nitroaniline	4700	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

96

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53983.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 16.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
83-32-9-----	Acenaphthene	1900	U
51-28-5-----	2,4-Dinitrophenol	4700	U
100-02-7-----	4-Nitrophenol	4700	U
132-64-9-----	Dibenzofuran	1900	U
121-14-2-----	2,4-Dinitrotoluene	1900	U
84-66-2-----	Diethylphthalate	1900	U
7005-72-3-----	4-Chlorophenylphenylether	1900	U
86-73-7-----	Fluorene	1900	U
100-01-6-----	4-Nitroaniline	4700	U
534-52-1-----	2-Methyl-4,6-dinitrophenol	4700	U
86-30-6-----	N-Nitrosodiphenylamine	1900	U
101-55-3-----	4-Bromophenylphenylether	1900	U
118-74-1-----	Hexachlorobenzene	1900	U
1912-24-9-----	Atrazine	1900	U
87-86-5-----	Pentachlorophenol	4700	U
85-01-8-----	Phenanthrene	190	J
120-12-7-----	Anthracene	1900	U
86-74-8-----	Carbazole	1900	U
84-74-2-----	di-n-Butylphthalate	1900	U
206-44-0-----	Fluoranthene	430	J
129-00-0-----	Pyrene	400	J
85-68-7-----	Butylbenzylphthalate	1900	U
91-94-1-----	3,3'-Dichlorobenzidine	1900	U
56-55-3-----	Benzo(a)anthracene	260	J
218-01-9-----	Chrysene	270	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	1900	U
117-84-0-----	di-n-Octylphthalate	1900	U
205-99-2-----	Benzo(b)fluoranthene	390	J
207-08-9-----	Benzo(k)fluoranthene	190	J
50-32-8-----	Benzo(a)pyrene	320	J
193-39-5-----	Indeno(1,2,3-c,d)pyrene	200	J
53-70-3-----	Dibenzo(a,h)anthracene	1900	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

97

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53983.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 16.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.9

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.

COMPOUND

191-24-2-----Benzo(g,h,i)perylene

(240)

J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

98

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 30.40 (g/mL) G

Lab File ID: Z53983.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 16.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.9

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.33	1400	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTER	21.38	1200	JN

2600

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53983LAB ID A2B08609DATE 11/19/02CLIENT ID B93904

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/L)
22.58	TYPE 1		411

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

150

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 30.09 (g/mL) G

Lab File ID: RE21383.TX0

% Moisture: 16.4 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

319-84-6-----	alpha-BHC	19	U
319-85-7-----	beta-BHC	19	U
319-86-8-----	delta-BHC	19	U
58-89-9-----	gamma-BHC (Lindane)	19	U
76-44-8-----	Heptachlor	19	U
309-00-2-----	Aldrin	19	U
1024-57-3----	Heptachlor epoxide	19	U
959-98-8-----	Endosulfan I (Alpha)	38	U
60-57-1-----	Dieldrin	38	U
72-55-9-----	4,4'-DDE	38	U
72-20-8-----	Endrin	38	U
33213-65-9----	Endosulfan II (Beta)	38	U
72-54-8-----	4,4'-DDD	38	U
1031-07-8----	Endosulfan sulfate	38	U
50-29-3-----	4,4'-DDT	38	U
72-43-5-----	Methoxychlor	38	U
53494-70-5----	Endrin ketone	38	U
7421-93-4-----	Endrin aldehyde	38	U
5103-71-9----	Chlordane (alpha & gamma)	38	U
5103-74-2----	Chlordane (alpha & gamma)	38	U
8001-35-2-----	Toxaphene	380	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

166

Client No.

B93904

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08609

Sample wt/vol: 30.47 (g/mL) G

Lab File ID: IA09766.TX0

% Moisture: 16.4 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO. COMPOUND

12674-11-2----	PCB-1016	190	U
11104-28-2----	PCB-1221	190	U
11141-16-5----	PCB-1232	190	U
53469-21-9----	PCB-1242	190	U
12672-29-6----	PCB-1248	190	U
11097-69-1----	PCB-1254	550	
11096-82-5----	PCB-1260	190	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93904

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237680

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	13.8			P
7440-38-2	Arsenic	27.7			P
7440-39-3	Barium	114			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	4.3			P
7440-47-3	Chromium	499			P
7440-48-4	Cobalt	6120			P
7440-50-8	Copper	1220			P
7439-92-1	Lead	314			P
7440-02-0	Nickel	2170			P
7782-49-2	Selenium	7.7		*	P
7440-22-4	Silver	0.84	B		P
7439-97-6	Mercury	0.474		N*	CV
7440-28-0	Thallium	0.47	U		P
7440-62-2	Vanadium	33.1		N	P
7440-66-6	Zinc	1640			P
	Tin	14.3		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: ORANGE

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

38

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 4.18 (g/mL) G

Lab File ID: F6866.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 11.8 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	U
75-01-4	Vinyl chloride	1400	U
75-00-3	Chloroethane	1400	U
75-09-2	Methylene chloride	1400	U
67-64-1	Acetone	1400	U
75-15-0	Carbon disulfide	1400	U
75-35-4	1,1-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
78-93-3	2-Butanone	(520)	(J)
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbon tetrachloride	1400	U
75-27-4	Bromodichloromethane	1400	U
78-87-5	1,2-Dichloropropane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
79-01-6	Trichloroethene	1400	U
124-48-1	Dibromochloromethane	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
71-43-2	Benzene	1400	U
10061-02-6	trans-1,3-Dichloropropene	1400	U
75-25-2	Bromoform	1400	U
108-10-1	4-Methyl-2-pentanone	1400	U
591-78-6	2-Hexanone	1400	U
127-18-4	Tetrachloroethene	1400	U
108-88-3	Toluene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
100-42-5	Styrene	1400	U
1330-20-7	Xylene, Total	1400	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

39

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 4.18 (g/mL) G

Lab File ID: F6866.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 11.8 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5	trans-1,2-Dichloroethene	1400	U
75-71-8	Dichlorodifluoromethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
79-20-9	Methyl Acetate	1400	U
1634-04-4	Methyl tert-butyl ether	1400	U
110-82-7	Cyclohexane	1400	U
108-87-2	Methylcyclohexane	1400	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1400	U
98-82-8	Isopropylbenzene	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

40

Client No.

B93905

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08610

Sample wt/vol: 4.18 (g/mL) G Lab File ID: F6866.RR

Level: (low/med) MED Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 11.8 Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

99

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53984.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 10.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.2

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
100-52-7	Benzaldehyde	1800	U	
108-95-2	Phenol	1800	U	
111-44-4	bis(2-Chloroethyl) ether	1800	U	
95-57-8	2-Chlorophenol	1800	U	
95-48-7	2-Methylphenol	1800	U	
108-60-1	bis(2-Chloroisopropyl) ether	1800	U	
98-86-2	Acetophenone	1800	U	
106-44-5	4-Methylphenol	1800	U	
621-64-7	N-Nitroso-di-N-propylamine	1800	U	
67-72-1	Hexachloroethane	1800	U	
98-95-3	Nitrobenzene	1800	U	
78-59-1	Isophorone	1800	U	
88-75-5	2-Nitrophenol	1800	U	
105-67-9	2,4-Dimethylphenol	1800	U	
111-91-1	bis(2-Chloroethoxy) methane	1800	U	
120-83-2	2,4-Dichlorophenol	1800	U	
91-20-3	Naphthalene	1800	U	
106-47-8	4-Chloroaniline	1800	U	
87-68-3	Hexachlorobutadiene	1800	U	
105-60-2	Caprolactam	1800	U	
59-50-7	4-Chloro-3-methylphenol	1800	U	
91-57-6	2-Methylnaphthalene	1800	U	
77-47-4	Hexachlorocyclopentadiene	1800	U	
88-06-2	2,4,6-Trichlorophenol	1800	U	
95-95-4	2,4,5-Trichlorophenol	1800	U	
92-52-4	Biphenyl	1800	U	
91-58-7	2-Chloronaphthalene	1800	U	
88-74-4	2-Nitroaniline	4400	U	
131-11-3	Dimethylphthalate	1800	U	
208-96-8	Acenaphthylene	1800	U	
606-20-2	2,6-Dinitrotoluene	1800	U	
99-09-2	3-Nitroaniline	4400	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

100

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53984.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 10.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9	Acenaphthene	1800	U
51-28-5	2,4-Dinitrophenol	4400	U
100-02-7	4-Nitrophenol	4400	U
132-64-9	Dibenzofuran	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
7005-72-3	4-Chlorophenylphenylether	1800	U
86-73-7	Fluorene	1800	U
100-01-6	4-Nitroaniline	4400	U
534-52-1	2-Methyl-4,6-dinitrophenol	4400	U
86-30-6	N-Nitrosodiphenylamine	1800	U
101-55-3	4-Bromophenylphenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
1912-24-9	Atrazine	1800	U
87-86-5	Pentachlorophenol	4400	U
85-01-8	Phenanthrene	77	J
120-12-7	Anthracene	1800	U
86-74-8	Carbazole	1800	U
84-74-2	di-n-Butylphthalate	1800	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo (a) anthracene	110	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	1800	U
117-84-0	di-n-Octylphthalate	1800	U
205-99-2	Benzo (b) fluoranthene	150	J
207-08-9	Benzo (k) fluoranthene	83	J
50-32-8	Benzo (a) pyrene	98	J
193-39-5	Indeno (1,2,3-c,d) pyrene	54	J
53-70-3	Dibenzo (a,h) anthracene	1800	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

101

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53984.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 10.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.2

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

191-24-2-----Benzo (g,h,i)perylene

(57)

J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

102

Client No.

B93905

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08610

Sample wt/vol: 30.65 (g/mL) G Lab File ID: Z53984.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 10.4 decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.2

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 -- PESTICIDES - S
ANALYSIS DATA SHEET

151

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 30.84 (g/mL) G

Lab File ID: RE21436.TX0

% Moisture: 10.4 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
319-84-6-----	alpha-BHC	6.9	U
319-85-7-----	beta-BHC	6.9	U
319-86-8-----	delta-BHC	6.9	U
58-89-9-----	gamma-BHC (Lindane)	6.9	U
76-44-8-----	Heptachlor	6.9	U
309-00-2-----	Aldrin	6.9	U
1024-57-3-----	Heptachlor epoxide	6.9	U
959-98-8-----	Endosulfan I (Alpha)	14	U
60-57-1-----	Dieldrin	14	U
72-55-9-----	4,4'-DDE	14	U
72-20-8-----	Endrin	14	U
33213-65-9-----	Endosulfan II (Beta)	14	U
72-54-8-----	4,4'-DDD	14	U
1031-07-8-----	Endosulfan sulfate	14	U
50-29-3-----	4,4'-DDT	14	U
72-43-5-----	Methoxychlor	14	U
53494-70-5-----	Endrin ketone	14	U
7421-93-4-----	Endrin aldehyde	14	U
5103-71-9-----	Chlordane (alpha & gamma)	14	U
5103-74-2-----	Chlordane (alpha & gamma)	14	U
8001-35-2-----	Toxaphene	140	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

167

Client No.

B93905

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECN

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08610

Sample wt/vol: 30.70 (g/mL) G

Lab File ID: 1A09769.TX0

% Moisture: 10.4 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	87	U
11104-28-2----	PCB-1221	87	U
11141-16-5----	PCB-1232	87	U
53469-21-9----	PCB-1242	87	U
12672-29-6----	PCB-1248	87	U
11097-69-1----	PCB-1254	87	U
11096-82-5----	PCB-1260	87	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93905

Contract: NY00-096

Lab Code: STLBFLO

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237681

Level (low/mad): LOW

Date Received: 11/8/02

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	22.0			P
7440-38-2	Arsenic	20.8			P
7440-39-3	Barium	62.6			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.61			P
7440-47-3	Chromium	771			P
7440-48-4	Cobalt	18900			P
7440-50-8	Copper	3090			P
7439-92-1	Lead	83.0			P
7440-02-0	Nickel	35100			P
7782-49-2	Selenium	6.5		*	P
7440-22-4	Silver	0.22	B		P
7439-97-6	Mercury	0.104		N*	CV
7440-28-0	Thallium	0.43	U		P
7440-62-2	Vanadium	143		N	P
7440-66-6	Zinc	121			P
	Tin	19.0		*	P

Color Before: BLACK

Clarity Before: N/A

Texture: SILT

Color After: BLACK

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

41

Client No.

Lab Name: STL Buffalo

Contract: C004154

B93906

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 4.14 (g/mL) G

Lab File ID: F6867.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 14.0 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	1400	U
74-83-9	-----Bromomethane	1400	U
75-01-4	-----Vinyl chloride	1400	U
75-00-3	-----Chloroethane	1400	U
75-09-2	-----Methylene chloride	1400	U
67-64-1	-----Acetone	1400	U
75-15-0	-----Carbon disulfide	1400	U
75-35-4	-----1,1-Dichloroethene	1400	U
75-34-3	-----1,1-Dichloroethane	1400	U
67-66-3	-----Chloroform	1400	U
107-06-2	-----1,2-Dichloroethane	1400	U
78-93-3	-----2-Butanone	(580)	J
71-55-6	-----1,1,1-Trichloroethane	170	J
56-23-5	-----Carbon tetrachloride	1400	U
75-27-4	-----Bromodichloromethane	1400	U
78-87-5	-----1,2-Dichloropropane	1400	U
10061-01-5	-----cis-1,3-Dichloropropene	1400	U
79-01-6	-----Trichloroethene	1400	U
124-48-1	-----Dibromochloromethane	1400	U
79-00-5	-----1,1,2-Trichloroethane	1400	U
71-43-2	-----Benzene	1400	U
10061-02-6	-----trans-1,3-Dichloropropene	1400	U
75-25-2	-----Bromoform	1400	U
108-10-1	-----4-Methyl-2-pentanone	1400	U
591-78-6	-----2-Hexanone	1400	U
127-18-4	-----Tetrachloroethene	1400	U
108-88-3	-----Toluene	1400	U
79-34-5	-----1,1,2,2-Tetrachloroethane	1400	U
108-90-7	-----Chlorobenzene	1400	U
100-41-4	-----Ethylbenzene	1400	U
100-42-5	-----Styrene	1400	U
1330-20-7	-----Xylene, Total	1400	U
76-13-1	-----1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	U
156-59-2	-----cis-1,2-Dichloroethene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

42

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 4.14 (g/mL) G

Lab File ID: F6867.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 14.0 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

156-60-5	trans-1,2-Dichloroethene	1400	U
75-71-8	Dichlorodifluoromethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
79-20-9	Methyl Acetate	1400	U
1634-04-4	Methyl tert-butyl ether	1400	U
110-82-7	Cyclohexane	1400	U
108-87-2	Methylcyclohexane	1400	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1400	U
98-82-8	Isopropylbenzene	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

43

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 4.14 (g/mL) G

Lab File ID: F6867.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 14.0

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

103

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 30.90 (g/mL) G

Lab File ID: Z53985.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 15.8 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	1900	U
108-95-2-----	Phenol	1900	U
111-44-4-----	bis(2-Chloroethyl) ether	1900	U
95-57-8-----	2-Chlorophenol	1900	U
95-48-7-----	2-Methylphenol	1900	U
108-60-1-----	bis(2-Chloroisopropyl) ether	1900	U
98-86-2-----	Acetophenone	1900	U
106-44-5-----	4-Methylphenol	1900	U
621-64-7-----	N-Nitroso-di-N-propylamine	1900	U
67-72-1-----	Hexachloroethane	1900	U
98-95-3-----	Nitrobenzene	1900	U
78-59-1-----	Isophorone	1900	U
88-75-5-----	2-Nitrophenol	1900	U
105-67-9-----	2,4-Dimethylphenol	1900	U
111-91-1-----	bis(2-Chloroethoxy) methane	1900	U
120-83-2-----	2,4-Dichlorophenol	1900	U
91-20-3-----	Naphthalene	1900	U
106-47-8-----	4-Chloroaniline	1900	U
87-68-3-----	Hexachlorobutadiene	1900	U
105-60-2-----	Caprolactam	1900	U
59-50-7-----	4-Chloro-3-methylphenol	1900	U
91-57-6-----	2-Methylnaphthalene	1900	U
77-47-4-----	Hexachlorocyclopentadiene	1900	U
88-06-2-----	2,4,6-Trichlorophenol	1900	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
92-52-4-----	Biphenyl	1900	U
91-58-7-----	2-Chloronaphthalene	1900	U
88-74-4-----	2-Nitroaniline	4600	U
131-11-3-----	Dimethylphthalate	1900	U
208-96-8-----	Acenaphthylene	57	J
606-20-2-----	2,6-Dinitrotoluene	1900	U
99-09-2-----	3-Nitroaniline	4600	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L - S
ANALYSIS DATA SHEET

104

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 30.90 (g/mL) G

Lab File ID: Z53985.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 15.8 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	1900	U
51-28-5-----	2,4-Dinitrophenol	4600	U
100-02-7-----	4-Nitrophenol	4600	U
132-64-9-----	Dibenzofuran	1900	U
121-14-2-----	2,4-Dinitrotoluene	1900	U
84-66-2-----	Diethylphthalate	1900	U
7005-72-3-----	4-Chlorophenylphenylether	1900	U
86-73-7-----	Fluorene	1900	U
100-01-6-----	4-Nitroaniline	4600	U
534-52-1-----	2-Methyl-4,6-dinitrophenol	4600	U
86-30-6-----	N-Nitrosodiphenylamine	1900	U
101-55-3-----	4-Bromophenylphenylether	1900	U
118-74-1-----	Hexachlorobenzene	1900	U
1912-24-9-----	Atrazine	1900	U
87-86-5-----	Pentachlorophenol	4600	U
85-01-8-----	Phenanthrene	240	J
120-12-7-----	Anthracene	1900	U
86-74-8-----	Carbazole	1900	U
84-74-2-----	di-n-Butylphthalate	1900	U
206-44-0-----	Fluoranthene	640	J
129-00-0-----	Pyrene	510	J
85-68-7-----	Butylbenzylphthalate	1900	U
91-94-1-----	3,3'-Dichlorobenzidine	1900	U
56-55-3-----	Benzo(a)anthracene	370	J
218-01-9-----	Chrysene	370	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	1900	U
117-84-0-----	di-n-Octylphthalate	1900	U
205-99-2-----	Benzo(b)fluoranthene	390	J
207-08-9-----	Benzo(k)fluoranthene	200	J
50-32-8-----	Benzo(a)pyrene	330	J
193-39-5-----	Indeno(1,2,3-c,d)pyrene	120	J
53-70-3-----	Dibenzo(a,h)anthracene	57	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

105

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 30.90 (g/mL) G

Lab File ID: Z53985.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 15.8 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.

COMPOUND

191-24-2-----Benzo(g,h,i)perylene

(130)

J)

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

106

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 30.90 (g/mL) G

Lab File ID: Z53985.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 15.8 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.7

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.33	1400	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.38	1200	JN

2,600

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53985LAB ID A2B08611DATE 11/19/02CLIENT ID B93906

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/Kg)
21.45	Tricosane	638-67-5	401
22.58	Tetracosane	646-31-1	465
23.18	TYPE 1		385

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

152

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECN

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 30.59 (g/mL) G

Lab File ID: RE21437.TX0

% Moisture: 15.8 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

319-84-6-----	alpha-BHC	7.4	U
319-85-7-----	beta-BHC	7.4	U
319-86-8-----	delta-BHC	7.4	U
58-89-9-----	gamma-BHC (Lindane)	7.4	U
76-44-8-----	Heptachlor	7.4	U
309-00-2-----	Aldrin	7.4	U
1024-57-3-----	Heptachlor epoxide	7.4	U
959-98-8-----	Endosulfan I (Alpha)	15	U
60-57-1-----	Dieldrin	15	U
72-55-9-----	4,4'-DDE	15	U
72-20-8-----	Endrin	15	U
33213-65-9-----	Endosulfan II (Beta)	15	U
72-54-8-----	4,4'-DDD	15	U
1031-07-8-----	Endosulfan sulfate	15	U
50-29-3-----	4,4'-DDT	15	U
72-43-5-----	Methoxychlor	15	U
53494-70-5-----	Endrin ketone	15	U
7421-93-4-----	Endrin aldehyde	15	U
5103-71-9-----	Chlordane (alpha & gamma)	15	U
5103-74-2-----	Chlordane (alpha & gamma)	15	U
8001-35-2-----	Toxaphene	150	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

168

Client No.

B93906

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08611

Sample wt/vol: 30.69 (g/mL) G

Lab File ID: LA09770.TX0

% Moisture: 15.8 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	93	U
11104-28-2----	PCB-1221	93	U
11141-16-5----	PCB-1232	93	U
53469-21-9----	PCB-1242	93	U
12672-29-6----	PCB-1248	93	U
11097-69-1----	PCB-1254	(72)	J)
11096-82-5----	PCB-1260	(85)	J)

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93906

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237682

Level (low/med): LOW

Date Received: 11/8/02

Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.3	B		P
7440-38-2	Arsenic	8.0			P
7440-39-3	Barium	410			P
7440-41-7	Beryllium	0.66			P
7440-43-9	Cadmium	0.68			P
7440-47-3	Chromium	116			P
7440-48-4	Cobalt	67.8			P
7440-50-8	Copper	1510			P
7439-92-1	Lead	458			P
7440-02-0	Nickel	310			P
7782-49-2	Selenium	2.8		*	P
7440-22-4	Silver	0.08	B		P
7439-97-6	Mercury	0.177		N*	CV
7440-28-0	Thallium	0.45	U		P
7440-62-2	Vanadium	45.1		N	P
7440-66-6	Zinc	290			P
	Tin	118		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

44

Client No.

B93907

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08612

Sample wt/vol: 4.19 (g/mL) G Lab File ID: F6868.RR

Level: (low/med) MED Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 8.4 Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	1300	U
74-83-9-----	Bromomethane	1300	U
75-01-4-----	Vinyl chloride	1300	U
75-00-3-----	Chloroethane	1300	U
75-09-2-----	Methylene chloride	1300	U
67-64-1-----	Acetone	1300	U
75-15-0-----	Carbon disulfide	1300	U
75-35-4-----	1,1-Dichloroethene	1300	U
75-34-3-----	1,1-Dichloroethane	1300	U
67-66-3-----	Chloroform	1300	U
107-06-2-----	1,2-Dichloroethane	1300	U
78-93-3-----	2-Butanone	(490)	(J)
71-55-6-----	1,1,1-Trichloroethane	1300	U
56-23-5-----	Carbon tetrachloride	1300	U
75-27-4-----	Bromodichloromethane	1300	U
78-87-5-----	1,2-Dichloropropane	1300	U
10061-01-5----	cis-1,3-Dichloropropene	1300	U
79-01-6-----	Trichloroethene	1300	U
124-48-1-----	Dibromochloromethane	1300	U
79-00-5-----	1,1,2-Trichloroethane	1300	U
71-43-2-----	Benzene	1300	U
10061-02-6----	trans-1,3-Dichloropropene	1300	U
75-25-2-----	Bromoform	1300	U
108-10-1-----	4-Methyl-2-pentanone	1300	U
591-78-6-----	2-Hexanone	1300	U
127-18-4-----	Tetrachloroethene	1300	U
108-88-3-----	Toluene	1300	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1300	U
108-90-7-----	Chlorobenzene	1300	U
100-41-4-----	Ethylbenzene	1300	U
100-42-5-----	Styrene	1300	U
1330-20-7-----	Xylene, Total	1300	U
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	1300	U
156-59-2-----	cis-1,2-Dichloroethene	1300	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

45

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 4.19 (g/mL) G

Lab File ID: F6868.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 8.4 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

156-60-5-----	trans-1,2-Dichloroethene	1300	U
75-71-8-----	Dichlorodifluoromethane	1300	U
75-69-4-----	Trichlorofluoromethane	1300	U
79-20-9-----	Methyl Acetate	1300	U
1634-04-4----	Methyl tert-butyl ether	1300	U
110-82-7-----	Cyclohexane	1300	U
108-87-2-----	Methylcyclohexane	180	J
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	1300	U
98-82-8-----	Isopropylbenzene	1300	U
541-73-1-----	1,3-Dichlorobenzene	1300	U
106-46-7-----	1,4-Dichlorobenzene	1300	U
95-50-1-----	1,2-Dichlorobenzene	1300	U
96-12-8-----	1,2-Dibromo-3-chloropropane	13000	U
120-82-1-----	1,2,4-Trichlorobenzene	1300	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 -- REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

46

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 4.19 (g/mL) G

Lab File ID: F6868.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 8.4

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

107

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: Z53986.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 14.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg)

UG/KG

Q

100-52-7-----	Benzaldehyde	1900	U
108-95-2-----	Phenol	1900	U
111-44-4-----	bis(2-Chloroethyl) ether	1900	U
95-57-8-----	2-Chlorophenol	1900	U
95-48-7-----	2-Methylphenol	1900	U
108-60-1-----	bis(2-Chloroisopropyl) ether	1900	U
98-86-2-----	Acetophenone	1900	U
106-44-5-----	4-Methylphenol	1900	U
621-64-7-----	N-Nitroso-di-N-propylamine	1900	U
67-72-1-----	Hexachloroethane	1900	U
98-95-3-----	Nitrobenzene	1900	U
78-59-1-----	Isophorone	1900	U
88-75-5-----	2-Nitrophenol	1900	U
105-67-9-----	2,4-Dimethylphenol	1900	U
111-91-1-----	bis(2-Chloroethoxy) methane	1900	U
120-83-2-----	2,4-Dichlorophenol	1900	U
91-20-3-----	Naphthalene	280	J
106-47-8-----	4-Chloroaniline	1900	U
87-68-3-----	Hexachlorobutadiene	1900	U
105-60-2-----	Caprolactam	1900	U
59-50-7-----	4-Chloro-3-methylphenol	1900	U
91-57-6-----	2-Methylnaphthalene	450	J
77-47-4-----	Hexachlorocyclopentadiene	1900	U
88-06-2-----	2,4,6-Trichlorophenol	1900	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
92-52-4-----	Biphenyl	1900	U
91-58-7-----	2-Chloronaphthalene	1900	U
88-74-4-----	2-Nitroaniline	4600	U
131-11-3-----	Dimethylphthalate	1900	U
208-96-8-----	Acenaphthylene	1900	U
606-20-2-----	2,6-Dinitrotoluene	1900	U
99-09-2-----	3-Nitroaniline	4600	U

FORM I - GC/MS ENA

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

108

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: Z53986.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 14.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	1900	U
51-28-5-----	2,4-Dinitrophenol	4600	U
100-02-7-----	4-Nitrophenol	4600	U
132-64-9-----	Dibenzofuran	100	J
121-14-2-----	2,4-Dinitrotoluene	1900	U
84-66-2-----	Diethylphthalate	1900	U
7005-72-3-----	4-Chlorophenylphenylether	1900	U
86-73-7-----	Fluorene	1900	U
100-01-6-----	4-Nitroaniline	4600	U
534-52-1-----	2-Methyl-4,6-dinitrophenol	4600	U
86-30-6-----	N-Nitrosodiphenylamine	1900	U
101-55-3-----	4-Bromophenylphenylether	1900	U
118-74-1-----	Hexachlorobenzene	1900	U
1912-24-9-----	Atrazine	1900	U
87-86-5-----	Pentachlorophenol	4600	U
85-01-8-----	Phenanthrene	350	J
120-12-7-----	Anthracene	1900	U
86-74-8-----	Carbazole	1900	U
84-74-2-----	di-n-Butylphthalate	1900	U
206-44-0-----	Fluoranthene	1900	U
129-00-0-----	Pyrene	1900	U
85-68-7-----	Butylbenzylphthalate	1900	U
91-94-1-----	3,3'-Dichlorobenzidine	1900	U
56-55-3-----	Benzo (a) anthracene	49	J
218-01-9-----	Chrysene	74	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	1900	U
117-84-0-----	di-n-Octylphthalate	1900	U
205-99-2-----	Benzo (b) fluoranthene	1900	U
207-08-9-----	Benzo (k) fluoranthene	1900	U
50-32-8-----	Benzo (a) pyrene	1900	U
193-39-5-----	Indeno (1,2,3-c,d) pyrene	1900	U
53-70-3-----	Dibenzo (a,h) anthracene	1900	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

109

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: Z53986.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 14.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(g,h,i)perylene		1900	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

110

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: Z53986.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 14.4 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 2

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.33	1500	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.38	1200	JN

2,700

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53986LAB ID A2B08612DATE 11/19/02CLIENT ID B93907

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/Kg)
21.45	TYPE I		658
22.00	TYPE		621
22.58	TYPE I		705
23.18	TYPE		605
23.80	TYPE I		513
24.45	TYPE II		411
25.10	TYPE I		389

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

153

Client No.

B93907

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 30.45 (g/mL) G

Lab File ID: RB21386.TX0

% Moisture: 14.4 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I (Alpha)	3.7	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II (Beta)	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	2.4	J
72-43-5	Methoxychlor	3.7	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	Chlordane (alpha & gamma)	3.7	U
5103-74-2	Chlordane (alpha & gamma)	3.7	U
8001-35-2	Toxaphene	37	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

169

Client No.

B93907

Lab Name: SIL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08612

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: LA09773.TX0

% Moisture: 14.4 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	91	U
11104-28-2----	PCB-1221	91	U
11141-16-5----	PCB-1232	91	U
53469-21-9----	PCB-1242	91	U
12672-29-6----	PCB-1248	91	U
11097-69-1----	PCB-1254	91	U
11096-82-5----	PCB-1260	91	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93907

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237683

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.3	B		P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	177			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.04	U		P
7440-47-3	Chromium	45.4			P
7440-48-4	Cobalt	10.7			P
7440-50-8	Copper	29.9			P
7439-92-1	Lead	12.8			P
7440-02-0	Nickel	132			P
7782-49-2	Selenium	3.2		*	P
7440-22-4	Silver	0.06	U		P
7439-97-6	Mercury	0.004	U	N*	CV
7440-28-0	Thallium	0.46	U		P
7440-62-2	Vanadium	15.7		N	P
7440-66-6	Zinc	36.9			P
	Tin	2.0		*	P

Color Before: BLACK

Clarity Before: N/A

Texture: SILT

Color After: BLACK

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

47

Client No.

B93908

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: - SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08613

Sample wt/vol: 4.04 (g/mL) G Lab File ID: F6869.RR

Level: (low/med) MED Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 14.8 Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
74-87-3	-----Chloromethane		1400	U
74-83-9	-----Bromomethane		1400	U
75-01-4	-----Vinyl chloride		1400	U
75-00-3	-----Chloroethane		1400	U
75-09-2	-----Methylene chloride		1400	U
67-64-1	-----Acetone		1400	U
75-15-0	-----Carbon disulfide		1400	U
75-35-4	-----1,1-Dichloroethene		1400	U
75-34-3	-----1,1-Dichloroethane		1400	U
67-66-3	-----Chloroform		1400	U
107-06-2	-----1,2-Dichloroethane		1400	U
78-93-3	-----2-Butanone		(520)	J
71-55-6	-----1,1,1-Trichloroethane		1400	U
56-23-5	-----Carbon tetrachloride		1400	U
75-27-4	-----Bromodichloromethane		1400	U
78-87-5	-----1,2-Dichloropropane		1400	U
10061-01-5	-----cis-1,3-Dichloropropene		1400	U
79-01-6	-----Trichloroethene		1400	U
124-48-1	-----Dibromochloromethane		1400	U
79-00-5	-----1,1,2-Trichloroethane		1400	U
71-43-2	-----Benzene		1400	U
10061-02-6	-----trans-1,3-Dichloropropene		1400	U
75-25-2	-----Bromoform		1400	U
108-10-1	-----4-Methyl-2-pentanone		1400	U
591-78-6	-----2-Hexanone		1400	U
127-18-4	-----Tetrachloroethene		1400	U
108-88-3	-----Toluene		1400	U
79-34-5	-----1,1,2,2-Tetrachloroethane		1400	U
108-90-7	-----Chlorobenzene		1400	U
100-41-4	-----Ethylbenzene		1400	U
100-42-5	-----Styrene		1400	U
1330-20-7	-----Xylene, Total		1400	U
76-13-1	-----1,1,2-Trichloro-1,2,2-Trifluoroethane		1400	U
156-59-2	-----cis-1,2-Dichloroethene		1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

48

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 4.04 (g/mL) G

Lab File ID: F6869.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 14.8 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
156-60-5	trans-1,2-Dichloroethene	1400	U
75-71-8	Dichlorodifluoromethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
79-20-9	Methyl Acetate	1400	U
1634-04-4	Methyl tert-butyl ether	1400	U
110-82-7	Cyclohexane	1400	U
108-87-2	Methylcyclohexane	1400	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1400	U
98-82-8	Isopropylbenzene	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

49

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECN

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 4.04 (g/mL) G

Lab File ID: F6869.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 14.8

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

111

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 30.49 (g/mL) G

Lab File ID: Z53987.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 13.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	3800	U
108-95-2-----	Phenol	3800	U
111-44-4-----	bis(2-Chloroethyl) ether	3800	U
95-57-8-----	2-Chlorophenol	3800	U
95-48-7-----	2-Methylphenol	3800	U
108-60-1-----	bis(2-Chloroisopropyl) ether	3800	U
98-86-2-----	Acetophenone	3800	U
106-44-5-----	4-Methylphenol	3800	U
621-64-7-----	N-Nitroso-di-N-propylamine	3800	U
67-72-1-----	Hexachloroethane	3800	U
98-95-3-----	Nitrobenzene	3800	U
78-59-1-----	Isophorone	3800	U
88-75-5-----	2-Nitrophenol	3800	U
105-67-9-----	2,4-Dimethylphenol	3800	U
111-91-1-----	bis(2-Chloroethoxy) methane	3800	U
120-83-2-----	2,4-Dichlorophenol	3800	U
91-20-3-----	Naphthalene	3800	U
106-47-8-----	4-Chloroaniline	3800	U
87-68-3-----	Hexachlorobutadiene	3800	U
105-60-2-----	Caprolactam	3800	U
59-50-7-----	4-Chloro-3-methylphenol	3800	U
91-57-6-----	2-Methylnaphthalene	3800	U
77-47-4-----	Hexachlorocyclopentadiene	3800	U
88-06-2-----	2,4,6-Trichlorophenol	3800	U
95-95-4-----	2,4,5-Trichlorophenol	3800	U
92-52-4-----	Biphenyl	3800	U
91-58-7-----	2-Chloronaphthalene	3800	U
88-74-4-----	2-Nitroaniline	9100	U
131-11-3-----	Dimethylphthalate	3800	U
208-96-8-----	Acenaphthylene	3800	U
606-20-2-----	2,6-Dinitrotoluene	3800	U
99-09-2-----	3-Nitroaniline	9100	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 SEMIVOLATILES/L - S
ANALYSIS DATA SHEET

112

Client No.

B93908

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08613

Sample wt/vol: 30.49 (g/mL) G Lab File ID: Z53987.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 13.9 decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	3800	U	
51-28-5	2,4-Dinitrophenol	9100	U	
100-02-7	4-Nitrophenol	9100	U	
132-64-9	Dibenzofuran	3800	U	
121-14-2	2,4-Dinitrotoluene	3800	U	
84-66-2	Diethylphthalate	3800	U	
7005-72-3	4-Chlorophenylphenylether	3800	U	
86-73-7	Fluorene	3800	U	
100-01-6	4-Nitroaniline	9100	U	
534-52-1	2-Methyl-4,6-dinitrophenol	9100	U	
86-30-6	N-Nitrosodiphenylamine	3800	U	
101-55-3	4-Bromophenylphenylether	3800	U	
118-74-1	Hexachlorobenzene	3800	U	
1912-24-9	Atrazine	3800	U	
87-86-5	Pentachlorophenol	9100	U	
85-01-8	Phenanthrene	3800	U	
120-12-7	Anthracene	3800	U	
86-74-8	Carbazole	3800	U	
84-74-2	di-n-Butylphthalate	3800	U	
206-44-0	Fluoranthene	3800	U	
129-00-0	Pyrene	3800	U	
85-68-7	Butylbenzylphthalate	3800	U	
91-94-1	3,3'-Dichlorobenzidine	3800	U	
56-55-3	Benzo (a) anthracene	3800	U	
218-01-9	Chrysene	3800	U	
117-81-7	bis (2-Ethylhexyl) phthalate	3800	U	
117-84-0	di-n-Octylphthalate	3800	U	
205-99-2	Benzo (b) fluoranthene	3800	U	
207-08-9	Benzo (k) fluoranthene	3800	U	
50-32-8	Benzo (a) pyrene	3800	U	
193-39-5	Indeno (1,2,3-c,d) pyrene	3800	U	
53-70-3	Dibenzo (a,h) anthracene	3800	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

113

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 30.49 (g/mL) G

Lab File ID: Z53987.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 13.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/KG

Q

CAS NO.

COMPOUND

191-24-2-----Benzo(g,h,i)perylene

3800

U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

114

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 30.49 (g/mL) G

Lab File ID: Z53987.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 13.9 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

Number TICs found: 4

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.33	3100	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.38	2500	JN
3.	UNKNOWN PAH DER.	25.96	1200	J
4.	UNKNOWN PAH DER.	26.55	850	J

7,650

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53987LAB ID A2B08613DATE 11/19/02CLIENT ID B93908

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/Kg)
21.45	TYPE I		960
22.00	TYPE I		985
22.58	TYPE I		1229
23.18	TYPE I		1021
23.80	TYPE I		899
24.45	TYPE I		848
25.10	TYPE I		783

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

154

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 30.99 (g/mL) G

Lab File ID: RB21438.TX0

% Moisture: 13.9 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: -

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	36	U
319-85-7	beta-BHC	36	U
319-86-8	delta-BHC	36	U
58-89-9	gamma-BHC (Lindane)	36	U
76-44-8	Heptachlor	36	U
309-00-2	Aldrin	36	U
1024-57-3	Heptachlor epoxide	36	U
959-98-8	Endosulfan I (Alpha)	72	U
60-57-1	Dieldrin	72	U
72-55-9	4,4'-DDE	72	U
72-20-8	Endrin	72	U
33213-65-9	Endosulfan II (Beta)	72	U
72-54-8	4,4'-DDD	72	U
1031-07-8	Endosulfan sulfate	72	U
50-29-3	4,4'-DDT	72	U
72-43-5	Methoxychlor	72	U
53494-70-5	Endrin ketone	72	U
7421-93-4	Endrin aldehyde	72	U
5103-71-9	Chlordane (alpha & gamma)	72	U
5103-74-2	Chlordane (alpha & gamma)	72	U
8001-35-2	Toxaphene	720	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

170

Client No.

B93908

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08613

Sample wt/vol: 30.55 (g/mL) G

Lab File ID: LA09774.TX0

% Moisture: 13.9 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	91	U
11104-28-2----	PCB-1221	91	U
11141-16-5----	PCB-1232	91	U
53469-21-9----	PCB-1242	91	U
12672-29-6----	PCB-1248	91	U
11097-69-1----	PCB-1254	91	U
11096-82-5----	PCB-1260	120	

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93908

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237684

Level (low/mad): LOW

Date Received: 11/8/02

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	72.5			P
7440-38-2	Arsenic	25.5			P
7440-39-3	Barium	104			P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	1.4			P
7440-47-3	Chromium	4580			P
7440-48-4	Cobalt	420			P
7440-50-8	Copper	1240			P
7439-92-1	Lead	138			P
7440-02-0	Nickel	36700			P
7782-49-2	Selenium	12.1		*	P
7440-22-4	Silver	0.64	B		P
7439-97-6	Mercury	0.193		N*	CV
7440-28-0	Thallium	0.45	U		P
7440-62-2	Vanadium	193		N	P
7440-66-6	Zinc	228			P
	Tin	329		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: BLACK

Clarity After: CLDY/FI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

50

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 4.19 (g/mL) G

Lab File ID: F6870.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 23.7 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	1600	U
74-83-9-----	Bromomethane	1600	U
75-01-4-----	Vinyl chloride	1600	U
75-00-3-----	Chloroethane	1600	U
75-09-2-----	Methylene chloride	1600	U
67-64-1-----	Acetone	1600	U
75-15-0-----	Carbon disulfide	1600	U
75-35-4-----	1,1-Dichloroethene	1600	U
75-34-3-----	1,1-Dichloroethane	1600	U
67-66-3-----	Chloroform	1600	U
107-06-2-----	1,2-Dichloroethane	1600	U
78-93-3-----	2-Butanone	(530)	J
71-55-6-----	1,1,1-Trichloroethane	1600	U
56-23-5-----	Carbon tetrachloride	1600	U
75-27-4-----	Bromodichloromethane	1600	U
78-87-5-----	1,2-Dichloropropane	1600	U
10061-01-5----	cis-1,3-Dichloropropene	1600	U
79-01-6-----	Trichloroethene	1600	U
124-48-1-----	Dibromochloromethane	1600	U
79-00-5-----	1,1,2-Trichloroethane	1600	U
71-43-2-----	Benzene	1600	U
10061-02-6----	trans-1,3-Dichloropropene	1600	U
75-25-2-----	Bromoform	1600	U
108-10-1-----	4-Methyl-2-pentanone	1600	U
591-78-6-----	2-Hexanone	1600	U
127-18-4-----	Tetrachloroethene	1600	U
108-88-3-----	Toluene	1600	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1600	U
108-90-7-----	Chlorobenzene	1600	U
100-41-4-----	Ethylbenzene	1600	U
100-42-5-----	Styrene	1600	U
1330-20-7----	Xylene, Total	1600	U
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	1600	U
156-59-2-----	cis-1,2-Dichloroethene	1600	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

51

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 4.19 (g/mL) G

Lab File ID: F6870.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 23.7 Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
156-60-5-----	trans-1,2-Dichloroethene	1600		U
75-71-8-----	Dichlorodifluoromethane	1600		U
75-69-4-----	Trichlorofluoromethane	1600		U
79-20-9-----	Methyl Acetate	1600		U
1634-04-4-----	Methyl tert-butyl ether	1600		U
110-82-7-----	Cyclohexane	1600		U
108-87-2-----	Methylcyclohexane	1600		U
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	1600		U
98-82-8-----	Isopropylbenzene	1600		U
541-73-1-----	1,3-Dichlorobenzene	1600		U
106-46-7-----	1,4-Dichlorobenzene	1600		U
95-50-1-----	1,2-Dichlorobenzene	1600		U
96-12-8-----	1,2-Dibromo-3-chloropropane	16000		U
120-82-1-----	1,2,4-Trichlorobenzene	1600		U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

52

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: 1

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 4.19 (g/mL) G

Lab File ID: F6870.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 23.7

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

115

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 30.14 (g/mL) G

Lab File ID: Z53988.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 22.5 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	4200	U
108-95-2	Phenol	4200	U
111-44-4	bis(2-Chloroethyl) ether	4200	U
95-57-8	2-Chlorophenol	4200	U
95-48-7	2-Methylphenol	4200	U
108-60-1	bis(2-Chloroisopropyl) ether	4200	U
98-86-2	Acetophenone	4200	U
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitroso-di-N-propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethylphenol	4200	U
111-91-1	bis(2-Chloroethoxy) methane	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
91-20-3	Naphthalene	4200	U
106-47-8	4-Chloroaniline	4200	U
87-68-3	Hexachlorobutadiene	4200	U
105-60-2	Caprolactam	4200	U
59-50-7	4-Chloro-3-methylphenol	4200	U
91-57-6	2-Methylnaphthalene	4200	U
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	4200	U
92-52-4	Biphenyl	4200	U
91-58-7	2-Chloronaphthalene	4200	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	4200	U
208-96-8	Acenaphthylene	4200	U
606-20-2	2,6-Dinitrotoluene	4200	U
99-09-2	3-Nitroaniline	10000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270.- SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

116

Client No.

B93909

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08614

Sample wt/vol: 30.14 (g/mL) G Lab File ID: Z53988.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 22.5 decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	4200		U
51-28-5-----	2,4-Dinitrophenol	10000		U
100-02-7-----	4-Nitrophenol	10000		U
132-64-9-----	Dibenzofuran	4200		U
121-14-2-----	2,4-Dinitrotoluene	4200		U
84-66-2-----	Diethylphthalate	4200		U
7005-72-3-----	4-Chlorophenylphenylether	4200		U
86-73-7-----	Fluorene	130		J
100-01-6-----	4-Nitroaniline	10000		U
534-52-1-----	2-Methyl-4,6-dinitrophenol	10000		U
86-30-6-----	N-Nitrosodiphenylamine	4200		U
101-55-3-----	4-Bromophenylphenylether	4200		U
118-74-1-----	Hexachlorobenzene	4200		U
1912-24-9-----	Atrazine	4200		U
87-86-5-----	Pentachlorophenol	10000		U
85-01-8-----	Phenanthrene	1500		J
120-12-7-----	Anthracene	340		J
86-74-8-----	Carbazole	4200		U
84-74-2-----	di-n-Butylphthalate	4200		U
206-44-0-----	Fluoranthene	2000		J
129-00-0-----	Pyrene	1100		J
85-68-7-----	Butylbenzylphthalate	4200		U
91-94-1-----	3,3'-Dichlorobenzidine	4200		U
56-55-3-----	Benzo (a) anthracene	770		J
218-01-9-----	Chrysene	690		J
117-81-7-----	bis(2-Ethylhexyl)phthalate	4200		U
117-84-0-----	di-n-Octylphthalate	4200		U
205-99-2-----	Benzo (b) fluoranthene	760		J
207-08-9-----	Benzo (k) fluoranthene	410		J
50-32-8-----	Benzo (a) pyrene	530		J
193-39-5-----	Indeno (1,2,3-c,d) pyrene	190		J
53-70-3-----	Dibenzo (a,h) anthracene	4200		U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

117

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 30.14 (g/mL) G

Lab File ID: Z53988.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 22.5 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.6

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(g,h,i)perylene	(160)	J)	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00.8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

118

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 30.14 (g/mL) G

Lab File ID: Z53988.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 22.5 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.6

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN ACID	20.33	2100	J
2. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.38	1800	JN

3,900

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

155

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 30.30 (g/mL) G

Lab File ID: RB21439.TX0

% Moisture: 22.5 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/20/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
319-84-6-----	alpha-BHC	8.2	U
319-85-7-----	beta-BHC	8.2	U
319-86-8-----	delta-BHC	8.2	U
58-89-9-----	gamma-BHC (Lindane)	8.2	U
76-44-8-----	Heptachlor	8.2	U
309-00-2-----	Aldrin	8.2	U
1024-57-3-----	Heptachlor epoxide	8.2	U
959-98-8-----	Endosulfan I (Alpha)	16	U
60-57-1-----	Dieldrin	16	U
72-55-9-----	4,4'-DDE	16	U
72-20-8-----	Endrin	16	U
33213-65-9-----	Endosulfan II (Beta)	16	U
72-54-8-----	4,4'-DDD	16	U
1031-07-8-----	Endosulfan sulfate	16	U
50-29-3-----	4,4'-DDT	16	U
72-43-5-----	Methoxychlor	16	U
53494-70-5----	Endrin ketone	16	U
7421-93-4-----	Endrin aldehyde	16	U
5103-71-9-----	Chlordane (alpha & gamma)	16	U
5103-74-2-----	Chlordane (alpha & gamma)	16	U
8001-35-2-----	Toxaphene	160	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

171

Client No.

B93909

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08614

Sample wt/vol: 30.48 (g/mL) G

Lab File ID: LA09775.TX0

% Moisture: 22.5 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	100	U
11104-28-2----	PCB-1221	100	U
11141-16-5----	PCB-1232	100	U
53469-21-9----	PCB-1242	100	U
12672-29-6----	PCB-1248	100	U
11097-69-1----	PCB-1254	(59)	J
11096-82-5----	PCB-1260	100	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93909

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237685

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.5	B		P
7440-38-2	Arsenic	12.9			P
7440-39-3	Barium	92.0			P
7440-41-7	Beryllium	0.90			P
7440-43-9	Cadmium	1.3			P
7440-47-3	Chromium	45.3			P
7440-48-4	Cobalt	17.9			P
7440-50-8	Copper	28.7			P
7439-92-1	Lead	43.4			P
7440-02-0	Nickel	125			P
7782-49-2	Selenium	2.2		*	P
7440-22-4	Silver	0.06	U		P
7439-97-6	Mercury	0.061		N*	CV
7440-28-0	Thallium	0.50	U		P
7440-62-2	Vanadium	32.8		N	P
7440-66-6	Zinc	315			P
	Tin	1.2		*	P

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/PI

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

53

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 4.15 (g/mL) G

Lab File ID: F6871.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 23.1 Heated Purge: N

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3-----	Chloromethane	1600	U
74-83-9-----	Bromomethane	1600	U
75-01-4-----	Vinyl chloride	1600	U
75-00-3-----	Chloroethane	1600	U
75-09-2-----	Methylene chloride	1600	U
67-64-1-----	Acetone	1600	U
75-15-0-----	Carbon disulfide	1600	U
75-35-4-----	1,1-Dichloroethene	1600	U
75-34-3-----	1,1-Dichloroethane	1600	U
67-66-3-----	Chloroform	1600	U
107-06-2-----	1,2-Dichloroethane	1600	U
78-93-3-----	2-Butanone	1600	U
71-55-6-----	1,1,1-Trichloroethane	1600	U
56-23-5-----	Carbon tetrachloride	1600	U
75-27-4-----	Bromodichloromethane	1600	U
78-87-5-----	1,2-Dichloropropane	1600	U
10061-01-5----	cis-1,3-Dichloropropene	1600	U
79-01-6-----	Trichloroethene	1600	U
124-48-1-----	Dibromochloromethane	1600	U
79-00-5-----	1,1,2-Trichloroethane	1600	U
71-43-2-----	Benzene	1600	U
10061-02-6----	trans-1,3-Dichloropropene	1600	U
75-25-2-----	Bromoform	1600	U
108-10-1-----	4-Methyl-2-pentanone	1600	U
591-78-6-----	2-Hexanone	1600	U
127-18-4-----	Tetrachloroethene	1600	U
108-88-3-----	Toluene	1600	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1600	U
108-90-7-----	Chlorobenzene	1600	U
100-41-4-----	Ethylbenzene	1600	U
100-42-5-----	Styrene	1600	U
1330-20-7-----	Xylene, Total	1600	U
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	1600	U
156-59-2-----	cis-1,2-Dichloroethene	1600	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

54

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 4.15 (g/mL) G

Lab File ID: F6871.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 23.1 Heated Purge: N

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	1600	U	
75-71-8	Dichlorodifluoromethane	1600	U	
75-69-4	Trichlorofluoromethane	1600	U	
79-20-9	Methyl Acetate	1600	U	
1634-04-4	Methyl tert-butyl ether	1600	U	
110-82-7	Cyclohexane	1600	U	
108-87-2	Methylcyclohexane	1600	U	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1600	U	
98-82-8	Isopropylbenzene	1600	U	
541-73-1	1,3-Dichlorobenzene	1600	U	
106-46-7	1,4-Dichlorobenzene	1600	U	
95-50-1	1,2-Dichlorobenzene	1600	U	
96-12-8	1,2-Dibromo-3-chloropropane	16000	U	
120-82-1	1,2,4-Trichlorobenzene	1600	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

55

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 4.15 (g/mL) G

Lab File ID: F6871.RR

Level: (low/med) MED

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. 23.1

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L - S
ANALYSIS DATA SHEET

119

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 30.13 (g/mL) G

Lab File ID: Z53989.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 23.7 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7-----	Benzaldehyde	430	U
108-95-2-----	Phenol	430	U
111-44-4-----	bis(2-Chloroethyl) ether	430	U
95-57-8-----	2-Chlorophenol	430	U
95-48-7-----	2-Methylphenol	430	U
108-60-1-----	bis(2-Chloroisopropyl) ether	430	U
98-86-2-----	Acetophenone	430	U
106-44-5-----	4-Methylphenol	430	U
621-64-7-----	N-Nitroso-di-N-propylamine	430	U
67-72-1-----	Hexachloroethane	430	U
98-95-3-----	Nitrobenzene	430	U
78-59-1-----	Isophorone	430	U
88-75-5-----	2-Nitrophenol	430	U
105-67-9-----	2,4-Dimethylphenol	430	U
111-91-1-----	bis(2-Chloroethoxy) methane	430	U
120-83-2-----	2,4-Dichlorophenol	430	U
91-20-3-----	Naphthalene	430	U
106-47-8-----	4-Chloroaniline	430	U
87-68-3-----	Hexachlorobutadiene	430	U
105-60-2-----	Caprolactam	430	U
59-50-7-----	4-Chloro-3-methylphenol	430	U
91-57-6-----	2-Methylnaphthalene	12)	J
77-47-4-----	Hexachlorocyclopentadiene	430	U
88-06-2-----	2,4,6-Trichlorophenol	430	U
95-95-4-----	2,4,5-Trichlorophenol	430	U
92-52-4-----	Biphenyl	430	U
91-58-7-----	2-Chloronaphthalene	430	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	430	U
208-96-8-----	Acenaphthylene	430	U
606-20-2-----	2,6-Dinitrotoluene	430	U
99-09-2-----	3-Nitroaniline	1000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

120

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 30.13 (g/mL) G

Lab File ID: Z53989.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 23.7 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9-----	Acenaphthene	430	U	
51-28-5-----	2,4-Dinitrophenol	1000	U	
100-02-7-----	4-Nitrophenol	1000	U	
132-64-9-----	Dibenzofuran	430	U	
121-14-2-----	2,4-Dinitrotoluene	430	U	
84-66-2-----	Diethylphthalate	430	U	
7005-72-3-----	4-Chlorophenylphenylether	430	U	
86-73-7-----	Fluorene	430	U	
100-01-6-----	4-Nitroaniline	1000	U	
534-52-1-----	2-Methyl-4,6-dinitrophenol	1000	U	
86-30-6-----	N-Nitrosodiphenylamine	430	U	
101-55-3-----	4-Bromophenylphenylether	430	U	
118-74-1-----	Hexachlorobenzene	430	U	
1912-24-9-----	Atrazine	430	U	
87-86-5-----	Pentachlorophenol	1000	U	
85-01-8-----	Phenanthrene	59	J	
120-12-7-----	Anthracene	430	U	
86-74-8-----	Carbazole	430	U	
84-74-2-----	di-n-Butylphthalate	430	U	
206-44-0-----	Fluoranthene	110	J	
129-00-0-----	Pyrene	74	J	
85-68-7-----	Butylbenzylphthalate	430	U	
91-94-1-----	3,3'-Dichlorobenzidine	430	U	
56-55-3-----	Benzo (a) anthracene	50	J	
218-01-9-----	Chrysene	59	J	
117-81-7-----	bis (2-Ethylhexyl) phthalate	430	U	
117-84-0-----	di-n-Octylphthalate	27	BJ	
205-99-2-----	Benzo (b) fluoranthene	64	J	
207-08-9-----	Benzo (k) fluoranthene	39	J	
50-32-8-----	Benzo (a) pyrene	45	J	
193-39-5-----	Indeno (1,2,3-c,d) pyrene	20	J	
53-70-3-----	Dibenzo (a,h) anthracene	430	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

121

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 30.13 (g/mL) G

Lab File ID: Z53989.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 23.7 decanted: (Y/N) N

Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.7

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(g,h,i)perylene		19)	J)

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00.8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

122

Client No.

B93910

Lab Name: STL Buffalo Contract: C004154

Lab Code: REONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL Lab Sample ID: A2B08615

Sample wt/vol: 30.13 (g/mL) G Lab File ID: Z53989.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: 23.7 decanted: (Y/N) N Date Extracted: 11/15/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.7

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	28.28	110	J

110

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53989LAB ID A2B08615DATE 11/19/02CLIENT ID B93910

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC. (µg/Kg)
24.45	TYPE I		152
25.78	TYPE I		115

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

156

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 30.12 (g/mL) G

Lab File ID: RB21391.TX0

% Moisture: 23.7 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

319-84-6	alpha-BHC	8.4	U
319-85-7	beta-BHC	8.4	U
319-86-8	delta-BHC	8.4	U
58-89-9	gamma-BHC (Lindane)	8.4	U
76-44-8	Heptachlor	8.4	U
309-00-2	Aldrin	8.4	U
1024-57-3	Heptachlor epoxide	8.4	U
959-98-8	Endosulfan I (Alpha)	17	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II (Beta)	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	17	U
7421-93-4	Endrin aldehyde	17	U
5103-71-9	Chlordane (alpha & gamma)	17	U
5103-74-2	Chlordane (alpha & gamma)	17	U
8001-35-2	Toxaphene	170	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

172

Client No.

B93910

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08615

Sample wt/vol: 30.62 (g/mL) G

Lab File ID: LA09776.TX0

% Moisture: 23.7 decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	100	U
11104-28-2----	PCB-1221	100	U
11141-16-5----	PCB-1232	100	U
53469-21-9----	PCB-1242	100	U
12672-29-6----	PCB-1248	100	U
11097-69-1----	PCB-1254	100	U
11096-82-5----	PCB-1260	100	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93910

Contract: NY00-096

Lab Code: STLBFO

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237686

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.5	B		P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	153			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	1.6			P
7440-47-3	Chromium	41.6			P
7440-48-4	Cobalt	23.9			P
7440-50-8	Copper	30.0			P
7439-92-1	Lead	43.4			P
7440-02-0	Nickel	108			P
7782-49-2	Selenium	2.6		*	P
7440-22-4	Silver	0.25	B		P
7439-97-6	Mercury	0.083		N*	CV
7440-28-0	Thallium	0.51	U		P
7440-62-2	Vanadium	36.7		N	P
7440-66-6	Zinc	332			P
	Tin	1.5		*	P

Color Before: BLACK

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

SEVERN
TRENT

STL

ANALYTICAL REPORT

Job#: A02-B086

STL Project#: NY1A8770.9

SDG#: 1107

Site Name: NYS DEC ASP Contract #C004154 - Region 9

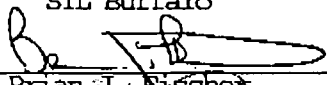
Task: CASE SH902

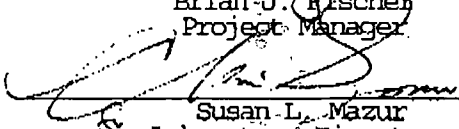
Guterl Excised Area

Mr. Larry Bailey
NYSDEC
625 Broadway - 4th Floor
Albany, NY 12233

CC: Mr. Glenn May

STL Buffalo


Brian J. Fischer
Project Manager


Susan L. Mazur
Laboratory Director

12/09/2002

This report contains 26 pages which are individually numbered.

Severn Trent Laboratories, Inc.

STL Buffalo • 10 Hazelwood Drive, Suite 106, Amherst, NY 14228

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SAMPLE DATA SUMMARY PACKAGE

SAMPLE DATA SUMMARY PACKAGE

**The Following
Image(s) are
the Best Copy
Available**

BIEL'S

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A2B08606	B93901	11/07/2002	14:05	11/08/2002	10:05
A2B08607	B93902	11/07/2002	14:15	11/08/2002	10:05
A2B08608	B93903	11/07/2002	14:20	11/08/2002	10:05
A2B08609	B93904	11/07/2002	14:45	11/08/2002	10:05
A2B08610	B93905	11/07/2002	14:55	11/08/2002	10:05
A2B08611	B93906	11/07/2002	15:25	11/08/2002	10:05
A2B08612	B93907	11/07/2002	15:35	11/08/2002	10:05
A2B08613	B93908	11/07/2002	15:45	11/08/2002	10:05
A2B08614	B93909	11/07/2002	16:05	11/08/2002	10:05
A2B08615	B93910	11/07/2002	16:20	11/08/2002	10:05
A2B08616	B93911	11/08/2002	08:55	11/08/2002	10:05
A2B08601	B939W1	11/07/2002	10:20	11/08/2002	10:05
A2B08602	B939W2	11/07/2002	10:35	11/08/2002	10:05
A2B08603	B939W3	11/07/2002	11:35	11/08/2002	10:05
A2B08604	B939W4	11/07/2002	11:12	11/08/2002	10:05
A2B08605	B939W5	11/07/2002	11:58	11/08/2002	10:05
A2B08618	TRIP BLANK	11/07/2002		11/08/2002	10:05

METHODS SUMMARY

Job#: A02-B086STL Project#: NY1A8770.9SDG#: 1107Site Name: NYS DEC ASP Contract #C004154 - Region 9

PARAMETER	ANALYTICAL METHOD
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES	ASP00 8260/5ML
NYSDEC - SOIL-ASP00/8260 VOLATILES	ASP00 8260
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S	ASP00 8270
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS	ASP00 8270
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES	ASP00 8081
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W	ASP00 8082
NYSDEC - METHOD 8081 - PESTICIDES - S	ASP00 8081
NYSDEC - METHOD 8082 - PCBS- S	ASP00 8082
Antimony - Total	ASP00 6010
Arsenic - Total	ASP00 6010
Barium - Total	ASP00 6010
Beryllium - Total	ASP00 6010
Cadmium - Total	ASP00 6010
Chromium - Total	ASP00 6010
Cobalt - Total	ASP00 6010
Copper - Total	ASP00 6010
Lead - Total	ASP00 6010
Mercury - Total	ASP00 7470
Mercury - Total	ASP00 7471
Nickel - Total	ASP00 6010
Selenium - Total	ASP00 6010
Silver - Total	ASP00 6010
Thallium - Total	ASP00 6010
Tin - Total	ASP00 6010
Vanadium - Total	ASP00 6010
Zinc - Total	ASP00 6010
Leachable pH	ASP00 9045

References:

ASP00 "Analytical Services Protocol", New York State Department of Conservation,
June 2000.

NON-CONFORMANCE SUMMARY

Job#: A02-B086STL Project#: NY1A8770.9SDG#: 1107Site Name: NYS DEC ASP Contract #C004154 - Region 9General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A02-B086

Sample Cooler(s) were received at the following temperature(s); 6 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte 1,2,4-Trichlorobenzene was detected in Method Blank VBLK94 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

All water samples were preserved to a PH less than 2.

Initial calibration standard curve A2I0001197-1 exhibited the %RSD of Carbon Tetrachloride as greater than 20.5%. ASP00 protocol allows for the %RSD of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006293-1 exhibited the % difference of 1,1-Dichloroethene as greater than 25%. ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006344-1 exhibited the % difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Continuing calibration standard A2C0006460-1 exhibited the % difference of Bromomethane as greater than 25%. ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

Samples were analyzed using medium level techniques due to sample matrix.

GC/MS Semivolatle Data

The spike recovery for 4-Chloro-3-methylphenol was above the method defined quality control limit in the Matrix Spike Blank A2B1134701. Since the results were biased high and the analytes were not found in the samples, no corrective action was performed.

The spike recoveries for 2,4-Dinitrotoluene and 4-Nitrophenol were above the method defined quality control limit in the Matrix Spike Blank A2B1161301. Since the results were biased high and the analytes were not found in the samples, no corrective action was performed.

The surrogate recoveries for samples B93902 and B93911 were diluted out.

Sample B93911, 8270 soil, had an adjusted final volume during extraction due to extract matrix and viscosity.

GC Extractable Data

For method 8081 water analysis, the recovery of surrogate Decachlorobiphenyl in sample B939W3 is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

The relative percent difference between the Matrix Spike and the Matrix Spike duplicate exceeded quality control limits for all compounds. However, all individual analyte recoveries were compliant.

For method 8082, the recovery of surrogate Decachlorobiphenyl for aqueous sample B939W1 is outside of established quality control limits. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 8082, the recovery of surrogate Tetrachloro-m-xylene for aqueous sample B939W2 is outside of established quality control limits. The recovery of surrogate Decachlorobiphenyl is within quality control criteria; no corrective action is required.

For method 8081 soil analysis, many samples required dilution prior to analysis due to the high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater.

For method 8082 soils, many samples required dilution prior to analysis due to the high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater.

For method 8082 soils, the recovery of surrogate Decachlorobiphenyl in samples B93905, B93907, and B93908 is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required. The recovery of both surrogate Tetrachloro-m-xylene and surrogate Decachlorobiphenyl in sample B93903 is outside of established quality control limits due to the heavy sample matrix.

For method 8082 soils, Several analytes exhibited bias and a % difference result greater than 15% in the ending continuing calibration verifications due to heavy sample matrix effects. The results for these samples may be biased low due to the matrix effects upon the instrument response.

Metals Data

The recovery of Vanadium fell above the quality control limits in sample B93911 MS. The recovery of Mercury fell above the quality control limits in sample B93911 SD. The LCS was acceptable for all elements.

The CLP spiking solution does not contain Tin in samples B939W1 MS, B939W1 SD, B93911 MS, and B93911 SD.

The recovery of Chromium, Copper, Lead, Nickel, and Zinc fell above the quality control limits in sample B93911 MS. The sample results were more than four times greater than the spike added, therefore, no qualifiers were needed. The LCS was acceptable for all elements.

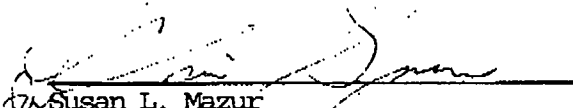
The relative percent difference between samples B93911 and B93911 MD exceeded quality control criteria for Selenium and Tin. The relative percent difference between sample B93911 MS and B93911 SD exceeded quality control criteria for Mercury. The LCS was acceptable for all elements.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and electronic deliverable has been authorized by the Laboratory Director or her designee, as verified by the following signature."


Susan L. Mazur
Laboratory Director

12/9/02
Date

Date: 12/07/2002
Time: 10:48:44

Dilution Log w/Code Information
For Job A02-B086

Page: 2
Rept: AN12608

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
B93908	A2808613	Nickel - Total	10.00	008
B93909	A2808614	8081	4.00	002
B93909	A2808614	8270	10.00	012
B93910	A2808615	8081	4.00	002
B93911	A2808616	8081	20.00	002
B93911	A2808616	8082	10.00	008
B93911	A2808616	Copper - Total	5.00	008
B93911	A2808616	Tin - Total	5.00	008
B93911	A2808616MD	Copper - Total	5.00	008
B93911	A2808616MS	Copper - Total	5.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
B939W4 DL	A2B08604DL	8260/5ML	5.00	008
B939W5 DL	A2B08605DL	8260/5ML	5.00	008
B93901	A2B08606	8081	400.00	002
B93901	A2B08606	8082	400.00	008
B93901	A2B08606	8270	10.00	012
B93901	A2B08606	Nickel - Total	5.00	008
B93902	A2B08607	8081	100.00	002
B93902	A2B08607	8082	50.00	008
B93902	A2B08607	8270	20.00	012
B93902	A2B08607	Antimony - Total	10.00	008
B93902	A2B08607	Chromium - Total	10.00	008
B93902	A2B08607	Copper - Total	10.00	008
B93902	A2B08607	Lead - Total	100.00	008
B93902	A2B08607	Nickel - Total	10.00	008
B93902	A2B08607	Tin - Total	20.00	008
B93902	A2B08607	Zinc - Total	10.00	008
B93903	A2B08608	8081	10.00	002
B93903	A2B08608	8082	2.00	008
B93903	A2B08608	8270	10.00	002
B93903	A2B08608	Chromium - Total	10.00	008
B93903	A2B08608	Nickel - Total	10.00	008
B93903	A2B08608MS	8081	10.00	002
B93903	A2B08608SD	8081	10.00	002
B93904	A2B08609	8081	10.00	002
B93904	A2B08609	8082	2.00	008
B93904	A2B08609	8270	5.00	012
B93904	A2B08609	Cobalt - Total	5.00	008
B93904	A2B08609	Zinc - Total	5.00	008
B93904	A2B08609MS	8082	2.00	008
B93904	A2B08609SD	8082	2.00	008
B93905	A2B08610	8081	4.00	002
B93905	A2B08610	8270	5.00	012
B93905	A2B08610	Cobalt - Total	10.00	008
B93905	A2B08610	Copper - Total	10.00	008
B93905	A2B08610	Nickel - Total	10.00	008
B93906	A2B08611	8081	4.00	002
B93906	A2B08611	8270	5.00	012
B93907	A2B08612	8270	5.00	002
B93908	A2B08613	8081	20.00	002
B93908	A2B08613	8270	10.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	WATER QUALITY
B93901	A2B08606	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93902	A2B08607	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93903	A2B08608	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93904	A2B08609	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93905	A2B08610	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93906	A2B08611	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93907	A2B08612	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93908	A2B08613	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93909	A2B08614	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93910	A2B08615	ASP00	ASP00	-	ASP00	ASP00	ASP00
B93911	A2B08616	ASP00	ASP00	-	ASP00	ASP00	ASP00
B939W1	A2B08601	ASP00	ASP00	-	ASP00	ASP00	-
B939W2	A2B08602	ASP00	ASP00	-	ASP00	ASP00	-
B939W3	A2B08603	ASP00	ASP00	-	ASP00	ASP00	-
B939W4	A2B08604	ASP00	ASP00	-	ASP00	ASP00	-
B939W5	A2B08605	ASP00	ASP00	-	ASP00	ASP00	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
B93901	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93902	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93903	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93904	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93905	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93906	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93907	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93908	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93909	SOIL	11/07/2002	11/08/2002	-	11/11/2002
B93910	SOIL	11/07/2002	11/08/2002	-	11/12/2002
B93911	SOIL	11/08/2002	11/08/2002	-	11/12/2002
B939W1	WATER	11/07/2002	11/08/2002	-	11/11/2002
B939W2	WATER	11/07/2002	11/08/2002	-	11/11/2002
B939W3	WATER	11/07/2002	11/08/2002	-	11/11/2002
B939W4	WATER	11/07/2002	11/08/2002	-	11/11/2002
B939W5	WATER	11/07/2002	11/08/2002	-	11/11/2002

NYSDEC-2

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
B93901	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93902	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93903	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93904	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93905	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93906	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93907	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93908	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93909	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93910	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19/2002
B93911	SOIL	11/08/2002	11/08/2002	11/15/2002	11/19/2002
B939W1	WATER	11/07/2002	11/08/2002	11/11/2002	11/15/2002
B939W2	WATER	11/07/2002	11/08/2002	11/11/2002	11/15/2002
B939W3	WATER	11/07/2002	11/08/2002	11/11/2002	11/15/2002
B939W4	WATER	11/07/2002	11/08/2002	11/11/2002	11/15/2002
B939W5	WATER	11/07/2002	11/08/2002	11/11/2002	11/15/2002

NYSDEC-3

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
B93901	SOIL	11/07/2002	11/08/2002	11/15/2002	11/19,20/2002
B93902	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18/2002
B93903	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18/2002
B93904	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18/2002
B93905	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18,20/2002
B93906	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18,20/2002
B93907	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18,19/2002
B93908	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18,20/2002
B93909	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18,20/2002
B93910	SOIL	11/07/2002	11/08/2002	11/15/2002	11/18,19/2002
B93911	SOIL	11/08/2002	11/08/2002	11/15/2002	11/18,19/2002
B939W1	WATER	11/07/2002	11/08/2002	11/12,13/2002	11/13,18/2002
B939W2	WATER	11/07/2002	11/08/2002	11/12,13/2002	11/13,18/2002
B939W3	WATER	11/07/2002	11/08/2002	11/12,13/2002	11/13,18/2002
B939W4	WATER	11/07/2002	11/08/2002	11/12,13/2002	11/13,18/2002
B939W5	WATER	11/07/2002	11/08/2002	11/12,13/2002	11/13,18/2002

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
B93901	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/04/2002
B93902	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/06/2002
B93903	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/04/2002
B93904	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/04/2002
B93905	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/04/2002
B93906	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,18,12/04/2002
B93907	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,18,12/04/2002
B93908	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/04/2002
B93909	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,18,12/04/2002
B93910	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,18,12/04/2002
B93911	SOIL	17 HAZ	11/08/2002	11/12,18,12/03/2002	11/13,15,18,12/06/2002
B939W1	WATER	17 HAZ	11/08/2002	11/12,22/2002	11/13,24/2002
B939W2	WATER	17 HAZ	11/08/2002	11/12,22/2002	11/13,24/2002
B939W3	WATER	17 HAZ	11/08/2002	11/12,22/2002	11/13,24/2002
B939W4	WATER	17 HAZ	11/08/2002	11/12,22/2002	11/13,24/2002
B939W5	WATER	17 HAZ	11/08/2002	11/12,22/2002	11/13,24/2002

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
B93901	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93902	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93903	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93904	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93905	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93906	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93907	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93908	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93909	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93910	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B93911	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
B939W1	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
B939W2	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
B939W3	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
B939W4	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
B939W5	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

NYSDEC-6

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
B93901	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93902	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93903	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93904	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93905	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93906	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93907	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93908	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93909	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93910	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B93911	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B939W1	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B939W2	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B939W3	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B939W4	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
B939W5	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

NYSDEC-7

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U Indicates compound was analyzed for, but not detected.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B This flag is used when the analyte is found in the associated blank, as well as in the sample.

E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D This flag identifies all compounds identified in an analysis at the secondary dilution factor.

N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.

P This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".

A This flag indicates that a TIC is a suspected aldol-condensation product.

I Indicates coelution.

* Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.

J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.

D This flag identifies all compounds identified in an analysis at the secondary dilution factor.

N Indicates spike sample recovery is not within the quality control limits.

K Indicates the post digestion spike recovery is not within the quality control limits.

S Indicates value determined by the Method of Standard Addition.

M Indicates duplicate injection results exceeded quality control limits.

W Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

F Indicates a value estimated or not reported due to the presence of interferences.

H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.

* Indicates analysis is not within the quality control limits.

+ Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Guterl Pump House
Sediment

November 2002

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

56

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: F6884.RR

Level: (low/med) MED

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: not dec. 37.9 Heated Purge: N

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	2000	U	
74-83-9-----	Bromomethane	2000	U	
75-01-4-----	Vinyl chloride	2000	U	
75-00-3-----	Chloroethane	2000	U	
75-09-2-----	Methylene chloride	2000	U	
67-64-1-----	Acetone	2000	U	
75-15-0-----	Carbon disulfide	2000	U	
75-35-4-----	1,1-Dichloroethene	2000	U	
75-34-3-----	1,1-Dichloroethane	2000	U	
67-66-3-----	Chloroform	2000	U	
107-06-2-----	1,2-Dichloroethane	2000	U	
78-93-3-----	2-Butanone	2000	U	
71-55-6-----	1,1,1-Trichloroethane	2000	U	
56-23-5-----	Carbon tetrachloride	2000	U	
75-27-4-----	Bromodichloromethane	2000	U	
78-87-5-----	1,2-Dichloropropane	2000	U	
10061-01-5----	cis-1,3-Dichloropropene	2000	U	
79-01-6-----	Trichloroethene	2000	U	
124-48-1-----	Dibromochloromethane	2000	U	
79-00-5-----	1,1,2-Trichloroethane	2000	U	
71-43-2-----	Benzene	2000	U	
10061-02-6----	trans-1,3-Dichloropropene	2000	U	
75-25-2-----	Bromoform	2000	U	
108-10-1-----	4-Methyl-2-pentanone	2000	U	
591-78-6-----	2-Hexanone	2000	U	
127-18-4-----	Tetrachloroethene	2000	U	
108-88-3-----	Toluene	360	J	
79-34-5-----	1,1,2,2-Tetrachloroethane	2000	U	
108-90-7-----	Chlorobenzene	2000	U	
100-41-4-----	Ethylbenzene	2000	U	
100-42-5-----	Styrene	2000	U	
1330-20-7----	Xylene, Total	2000	U	
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	2000	U	
156-59-2-----	cis-1,2-Dichloroethene	2000	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

57

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: ---

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: F6884.RR

Level: (low/med) MED

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: not dec. 37.9 Heated Purge: N

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
156-60-5	trans-1,2-Dichloroethene	2000	U
75-71-8	Dichlorodifluoromethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
79-20-9	Methyl Acetate	2000	U
1634-04-4	Methyl tert-butyl ether	2000	U
110-82-7	Cyclohexane	2000	U
108-87-2	Methylcyclohexane	2000	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	2000	U
98-82-8	Isopropylbenzene	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	20000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

58

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 4.02 (g/mL) G

Lab File ID: F6884.RR

Level: (low/med) MED

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: not dec. 37.9

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Number TTCs found: 10

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	10.22	14000	J
2.	SATURATED HYDROCARBON	11.17	17000	J
3.	UNKNOWN	11.21	14000	J
4.	UNKNOWN	11.29	8100	J
5.	UNKNOWN	11.35	11000	J
6.	UNKNOWN	11.76	17000	J
7.	UNKNOWN	11.87	15000	J
8.	UNKNOWN	12.02	11000	J
9.	UNKNOWN	12.16	13000	J
10.	UNKNOWN	12.46	8300	J

128,400

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

123

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53990.RR

Level: (low/med) LOW

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: 20.8 decanted: (Y/N) Y

Date Extracted: 11/15/2002

Concentrated Extract Volume: 40000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	16000	U
108-95-2	Phenol	16000	U
111-44-4	bis(2-Chloroethyl) ether	16000	U
95-57-8	2-Chlorophenol	16000	U
95-48-7	2-Methylphenol	16000	U
108-60-1	bis(2-Chloroisopropyl) ether	16000	U
98-86-2	Acetophenone	16000	U
106-44-5	4-Methylphenol	16000	U
621-64-7	N-Nitroso-di-N-propylamine	16000	U
67-72-1	Hexachloroethane	16000	U
98-95-3	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-5	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
111-91-1	bis(2-Chloroethoxy) methane	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
91-20-3	Naphthalene	16000	U
106-47-8	4-Chloroaniline	16000	U
87-68-3	Hexachlorobutadiene	16000	U
105-60-2	Caprolactam	16000	U
59-50-7	4-Chloro-3-methylphenol	16000	U
91-57-6	2-Methylnaphthalene	(420)	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	16000	U
95-95-4	2,4,5-Trichlorophenol	16000	U
92-52-4	Biphenyl	16000	U
91-58-7	2-Chloronaphthalene	16000	U
88-74-4	2-Nitroaniline	40000	U
131-11-3	Dimethylphthalate	16000	U
208-96-8	Acenaphthylene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U
99-09-2	3-Nitroaniline	40000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

124

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53990.RR

Level: (low/med) LOW

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: 20.8 decanted: (Y/N) Y

Date Extracted: 11/15/2002

Concentrated Extract Volume: 40000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
83-32-9	Acenaphthene	16000	U	
51-28-5	2,4-Dinitrophenol	40000	U	
100-02-7	4-Nitrophenol	40000	U	
132-64-9	Dibenzofuran	16000	U	
121-14-2	2,4-Dinitrotoluene	16000	U	
84-66-2	Diethylphthalate	16000	U	
7005-72-3	4-Chlorophenylphenylether	16000	U	
86-73-7	Fluorene	16000	U	
100-01-6	4-Nitroaniline	40000	U	
534-52-1	2-Methyl-4,6-dinitrophenol	40000	U	
86-30-6	N-Nitrosodiphenylamine	16000	U	
101-55-3	4-Bromophenylphenylether	16000	U	
118-74-1	Hexachlorobenzene	16000	U	
1912-24-9	Atrazine	16000	U	
87-86-5	Pentachlorophenol	40000	U	
85-01-8	Phenanthrene	460	J	
120-12-7	Anthracene	16000	U	
86-74-8	Carbazole	16000	U	
84-74-2	di-n-Butylphthalate	16000	U	
206-44-0	Fluoranthene	16000	U	
129-00-0	Pyrene	16000	U	
85-68-7	Butylbenzylphthalate	16000	U	
91-94-1	3,3'-Dichlorobenzidine	16000	U	
56-55-3	Benzo (a) anthracene	16000	U	
218-01-9	Chrysene	16000	U	
117-81-7	bis (2-Ethylhexyl) phthalate	16000	U	
117-84-0	di-n-Octylphthalate	16000	U	
205-99-2	Benzo (b) fluoranthene	16000	U	
207-08-9	Benzo (k) fluoranthene	16000	U	
50-32-8	Benzo (a) pyrene	16000	U	
193-39-5	Indeno (1,2,3-c,d) pyrene	16000	U	
53-70-3	Dibenzo (a,h) anthracene	16000	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

125

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53990.RR

Level: (low/med) LOW

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: 20.8 decanted: (Y/N) Y

Date Extracted: 11/15/2002

Concentrated Extract Volume: 40000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
191-24-2-----	Benzo(g,h,i)perylene		16000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

126

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 30.65 (g/mL) G

Lab File ID: Z53990.RR

Level: (low/med) LOW

Date Samp/Recv: 11/08/2002 11/08/2002

% Moisture: 20.8 decanted: (Y/N) Y

Date Extracted: 11/15/2002

Concentrated Extract Volume: 40000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.5

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	DIMETHYLNAPHTHALENE ISOMER	14.75	3800	J
2.	TRIMETHYLNAPHTHALENE ISOMER	16.16	5100	J
3.	UNKNOWN PAH DER.	16.65	4000	J
4.	UNKNOWN ACID	20.33	18000	J
5. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	21.40	18000	JN
6.	UNKNOWN PAH DER.	25.98	14000	J
7.	UNKNOWN PAH DER.	26.56	15000	J
8.	UNKNOWN PAH DER.	27.25	5900	J
9.	UNKNOWN PAH DER.	27.33	4400	J

88,200

GC/MS SEMIVOLATILES TENTATIVELY IDENTIFIED ALKANES

JOB A02-B086SDG/CASE 1107/SH902FILE Z53990LAB ID A2B08616DATE 11/19/02CLIENT ID B93911

RT	COMPOUND	CAS NUMBER	ESTIMATED CONC.(μ g/Kg)
12.60	TYPE II		1933
15.12	TYPE I		2242
16.93	TYPE II		2156
17.40	TYPE II		4975
21.45	Tetracosane	646-31-1	2362
22.02	TYPE I		8495
22.60	TYPE I		6998
23.20	TYPE I		6508

•ALKANE TYPES: TYPE 1= UNKNOWN STRAIGHT CHAIN ALKANE
TYPE 2= UNKNOWN BRANCHED ALKANE
TYPE 3= UNKNOWN CYCLIC ALKANE
TYPE 4= UNKNOWN ALKANE

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

157

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 30.73 (g/mL) G

Lab File ID: RB21392.TX0

% Moisture: 20.8 decanted: (Y/N) Y

Date Samp/Recv: 11/08/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 40000 (uL)

Date Analyzed: 11/19/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	160	U
319-85-7	beta-BHC	160	U
319-86-8	delta-BHC	160	U
58-89-9	gamma-BHC (Lindane)	160	U
76-44-8	Heptachlor	160	U
309-00-2	Aldrin	160	U
1024-57-3	Heptachlor epoxide	160	U
959-98-8	Endosulfan I (Alpha)	320	U
60-57-1	Dieldrin	320	U
72-55-9	4,4'-DDE	320	U
72-20-8	Endrin	320	U
33213-65-9	Endosulfan II (Beta)	320	U
72-54-8	4,4'-DDD	320	U
1031-07-8	Endosulfan sulfate	320	U
50-29-3	4,4'-DDT	320	U
72-43-5	Methoxychlor	320	U
53494-70-5	Endrin ketone	320	U
7421-93-4	Endrin aldehyde	320	U
5103-71-9	Chlordane (alpha & gamma)	320	U
5103-74-2	Chlordane (alpha & gamma)	320	U
8001-35-2	Toxaphene	3200	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBs- S
ANALYSIS DATA SHEET

173

Client No.

B93911

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNV

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) SOIL

Lab Sample ID: A2B08616

Sample wt/vol: 30.94 (g/mL) G

Lab File ID: LA09777.TX0

% Moisture: 20.8 decanted: (Y/N) Y

Date Samp/Recv: 11/08/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SONC

Date Extracted: 11/15/2002

Concentrated Extract Volume: 40000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: -

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----	PCB-1016	3900	U
11104-28-2----	PCB-1221	3900	U
11141-16-5----	PCB-1232	3900	U
53469-21-9----	PCB-1242	3900	U
12672-29-6----	PCB-1248	14000	U
11097-69-1----	PCB-1254	3900	U
11096-82-5----	PCB-1260	3900	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B93911

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): SOIL

Lab Sample ID: AD237687

Level (low/med): LOW

Date Received: 11/8/02

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	117			P
7440-38-2	Arsenic	12.9			P
7440-39-3	Barium	199			P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	1.1			P
7440-47-3	Chromium	571			P
7440-48-4	Cobalt	375			P
7440-50-8	Copper	6160			P
7439-92-1	Lead	4270			P
7440-02-0	Nickel	3140			P
7782-49-2	Selenium	3.8		*	P
7440-22-4	Silver	2.2			P
7439-97-6	Mercury	0.099		N*	CV
7440-28-0	Thallium	0.49	U		P
7440-62-2	Vanadium	82.0		N	P
7440-66-6	Zinc	400			P
	Tin	738		*	P

Color Before: BLACK

Clarity Before: N/A

Texture: SILT

Color After: GREEN

Clarity After: CLDY/FI

Artifacts:

Comments:

Guterl Wells

November 2002

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

61

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6857.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3-----	Chloromethane	5	U	
74-83-9-----	Bromomethane	5	U	
75-01-4-----	Vinyl chloride	5	U	
75-00-3-----	Chloroethane	5	U	
75-09-2-----	Methylene chloride	10	U	
67-64-1-----	Acetone	25	U	
75-15-0-----	Carbon disulfide	5	U	
75-35-4-----	1,1-Dichloroethene	5	U	
75-34-3-----	1,1-Dichloroethane	5	U	
67-66-3-----	Chloroform	5	U	
107-06-2-----	1,2-Dichloroethane	5	U	
78-93-3-----	2-Butanone	25	U	
71-55-6-----	1,1,1-Trichloroethane	5	U	
56-23-5-----	Carbon tetrachloride	5	U	
75-27-4-----	Bromodichloromethane	5	U	
78-87-5-----	1,2-Dichloropropane	5	U	
10061-01-5----	cis-1,3-Dichloropropene	5	U	
79-01-6-----	Trichloroethene	5	U	
124-48-1-----	Dibromochloromethane	5	U	
79-00-5-----	1,1,2-Trichloroethane	5	U	
71-43-2-----	Benzene	5	U	
10061-02-6----	trans-1,3-Dichloropropene	5	U	
75-25-2-----	Bromoform	5	U	
108-10-1-----	4-Methyl-2-pentanone	25	U	
591-78-6-----	2-Hexanone	25	U	
127-18-4-----	Tetrachloroethene	5	U	
108-88-3-----	Toluene	5	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U	
108-90-7-----	Chlorobenzene	5	U	
100-41-4-----	Ethylbenzene	5	U	
100-42-5-----	Styrene	5	U	
1330-20-7-----	Xylene, Total	5	U	
75-71-8-----	Dichlorodifluoromethane	5	U	
75-69-4-----	Trichlorofluoromethane	5	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

60

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6857.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	5	U	
1634-04-4-----	Methyl tert-butyl ether	10	U	
156-59-2-----	cis-1,2-Dichloroethene	5	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	5	U	
98-82-8-----	Isopropylbenzene	5	U	
541-73-1-----	1,3-Dichlorobenzene	5	U	
106-46-7-----	1,4-Dichlorobenzene	5	U	
95-50-1-----	1,2-Dichlorobenzene	5	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U	
120-82-1-----	1,2,4-Trichlorobenzene	5	U	
79-20-9-----	Methyl Acetate	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

59

Client No.

B939W1

Lab Name: STL Buffalo Contract: C004154

Lab Code: REONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6857.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

127

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: Z53897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
83-32-9-----	Acenaphthene	10	U
208-96-8-----	Acenaphthylene	10	U
120-12-7-----	Anthracene	10	U
56-55-3-----	Benzo (a) anthracene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
65-85-0-----	Benzoic acid	48	U
100-51-6-----	Benzyl alcohol	10	U
111-91-1-----	bis (2-Chloroethoxy) methane	10	U
111-44-4-----	bis (2-Chloroethyl) ether	10	U
108-60-1-----	bis (2-Chloroisopropyl) ether	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
101-55-3-----	4-Bromophenylphenylether	10	U
85-68-7-----	Butylbenzylphthalate	10	U
106-47-8-----	4-Chloroaniline	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-58-7-----	2-Chloronaphthalene	10	U
95-57-8-----	2-Chlorophenol	10	U
7005-72-3-----	4-Chlorophenylphenylether	10	U
218-01-9-----	Chrysene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
132-64-9-----	Dibenzofuran	10	U
84-74-2-----	di-n-Butylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
84-66-2-----	Diethylphthalate	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
131-11-3-----	Dimethylphthalate	10	U
534-52-1-----	2-Methyl-4,6-dinitrophenol	24	U
51-28-5-----	2,4-Dinitrophenol	24	U
121-14-2-----	2,4-Dinitrotoluene	10	U

FORM I - GC/MS BNA

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

128

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: Z53897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
606-20-2	2,6-Dinitrotoluene		10	U
117-84-0	di-n-Octylphthalate		10	U
206-44-0	Fluoranthene		10	U
86-73-7	Fluorene		10	U
118-74-1	Hexachlorobenzene		10	U
87-68-3	Hexachlorobutadiene		10	U
77-47-4	Hexachlorocyclopentadiene		10	U
67-72-1	Hexachloroethane		10	U
193-39-5	Indeno (1,2,3-c,d) pyrene		10	U
78-59-1	Isophorone		10	U
91-57-6	2-Methylnaphthalene		10	U
95-48-7	2-Methylphenol		10	U
106-44-5	4-Methylphenol		10	U
91-20-3	Naphthalene		10	U
88-74-4	2-Nitroaniline		24	U
99-09-2	3-Nitroaniline		24	U
100-01-6	4-Nitroaniline		24	U
98-95-3	Nitrobenzene		10	U
88-75-5	2-Nitrophenol		10	U
100-02-7	4-Nitrophenol		24	U
86-30-6	N-Nitrosodiphenylamine		10	U
621-64-7	N-Nitroso-di-N-propylamine		10	U
87-86-5	Pentachlorophenol		24	U
85-01-8	Phenanthrene		10	U
108-95-2	Phenol		10	U
129-00-0	Pyrene		10	U
95-95-4	2,4,5-Trichlorophenol		10	U
88-06-2	2,4,6-Trichlorophenol		10	U
98-86-2	Acetophenone		10	U
1912-24-9	Atrazine		10	U
100-52-7	Benzaldehyde		10	U
92-52-4	Biphenyl		10	U

FORM I - GC/MS BNA

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

129

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: Z53897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
105-60-2-----	Caprolactam		10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

130

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: Z53897.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	20.01	3	BJ
2.	UNKNOWN	20.25	6	BJ
3.	UNKNOWN	21.41	8	BJ
4.	UNKNOWN	21.70	14	BJ
5.	UNKNOWN	22.91	4	BJ
6.	UNKNOWN	22.96	5	BJ
7.	UNKNOWN	23.25	10	BJ
8.	UNKNOWN	24.61	7	BJ

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

158

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 1000.00 (g/mL) ML

Lab File ID: RB21364.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/13/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.

COMPOUND

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I (Alpha)	0.10	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9----	Endosulfan II (Beta)	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.20	U
5103-71-9----	Chlordane (alpha & gamma)	0.050	U
5103-74-2----	Chlordane (alpha & gamma)	0.050	U
8001-35-2-----	Toxaphene	1.0	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

174

Client No.

B939W1

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08601

Sample wt/vol: 1040.00 (g/mL) ML

Lab File ID: NA12496.TX0

% Moisture: decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/12/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/13/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	0.50	U
11104-28-2----	PCB-1221	0.50	U
11141-16-5----	PCB-1232	0.50	U
53469-21-9----	PCB-1242	0.50	U
12672-29-6----	PCB-1248	0.50	U
11097-69-1----	PCB-1254	0.50	U
11096-82-5----	PCB-1260	0.50	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B939W1

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): WATER

Lab Sample ID: AD240036

Level (low/med): LOW

Date Received: 11/8/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	34.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.42	B		P
7440-47-3	Chromium	1.8	B		P
7440-48-4	Cobalt	5.4	B		P
7440-50-8	Copper	1.4	B		P
7439-92-1	Lead	2.3	U		P
7440-02-0	Nickel	187			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-28-0	Thallium	6.4	B		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	299			P
	Tin	2.9	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

62

Client No.

B939W2

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: --- SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6858.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. --- Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane	5	U	
74-83-9	Bromomethane	5	U	
75-01-4	Vinyl chloride	3	(J)	
75-00-3	Chloroethane	13		
75-09-2	Methylene chloride	10	U	
67-64-1	Acetone	25	U	
75-15-0	Carbon disulfide	5	U	
75-35-4	1,1-Dichloroethene	6		
75-34-3	1,1-Dichloroethane	5		
67-66-3	Chloroform	5	U	
107-06-2	1,2-Dichloroethane	5	U	
78-93-3	2-Butanone	25	U	
71-55-6	1,1,1-Trichloroethane	5	U	
56-23-5	Carbon tetrachloride	5	U	
75-27-4	Bromodichloromethane	5	U	
78-87-5	1,2-Dichloropropane	5	U	
10061-01-5	cis-1,3-Dichloropropene	5	U	
79-01-6	Trichloroethene	5	U	
124-48-1	Dibromochloromethane	5	U	
79-00-5	1,1,2-Trichloroethane	5	U	
71-43-2	Benzene	5	U	
10061-02-6	trans-1,3-Dichloropropene	5	U	
75-25-2	Bromoform	5	U	
108-10-1	4-Methyl-2-pentanone	25	U	
591-78-6	2-Hexanone	25	U	
127-18-4	Tetrachloroethene	5	U	
108-88-3	Toluene	5	U	
79-34-5	1,1,2,2-Tetrachloroethane	5	U	
108-90-7	Chlorobenzene	5	U	
100-41-4	Ethylbenzene	5	U	
100-42-5	Styrene	5	U	
1330-20-7	Xylene, Total	5	U	
75-71-8	Dichlorodifluoromethane	5	U	
75-69-4	Trichlorofluoromethane	5	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

63

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08602

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6858.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	10.	U
156-60-5-----	trans-1,2-Dichloroethene	(3)	(J)
1634-04-4-----	Methyl tert-butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	(14)	
110-82-7-----	Cyclohexane	10	U
108-87-2-----	Methylcyclohexane	10	U
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	5	U
98-82-8-----	Isopropylbenzene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
79-20-9-----	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

64

Client No.

B939W2

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6858.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 7446-09-5	SULFUR DIOXIDE	1.92	5	JN

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

131

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08602

Sample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z53898.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	<0.4	J
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo (a) anthracene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
191-24-2	Benzo (g,h,i) perylene	10	U
50-32-8	Benzo (a) pyrene	10	U
65-85-0	Benzoic acid	48	U
100-51-6	Benzyl alcohol	10	U
111-91-1	bis (2-Chloroethoxy) methane	10	U
111-44-4	bis (2-Chloroethyl) ether	10	U
108-60-1	bis (2-Chloroisopropyl) ether	10	U
117-81-7	bis (2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenylphenylether	10	U
85-68-7	Butylbenzylphthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo (a,h) anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	di-n-Butylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethylphthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethylphthalate	10	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	10	U

NYS-DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

132

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08602

Sample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z53898.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
606-20-2-----	2,6-Dinitrotoluene	10	U	
117-84-0-----	di-n-Octylphthalate	<0.4	J	
206-44-0-----	Fluoranthene	10	U	
86-73-7-----	Fluorene	10	U	
118-74-1-----	Hexachlorobenzene	10	U	
87-68-3-----	Hexachlorobutadiene	10	U	
77-47-4-----	Hexachlorocyclopentadiene	10	U	
67-72-1-----	Hexachloroethane	10	U	
193-39-5-----	Indeno(1,2,3-c,d)pyrene	10	U	
78-59-1-----	Isophorone	10	U	
91-57-6-----	2-Methylnaphthalene	10	U	
95-48-7-----	2-Methylphenol	10	U	
106-44-5-----	4-Methylphenol	10	U	
91-20-3-----	Naphthalene	10	U	
88-74-4-----	2-Nitroaniline	24	U	
99-09-2-----	3-Nitroaniline	24	U	
100-01-6-----	4-Nitroaniline	24	U	
98-95-3-----	Nitrobenzene	10	U	
88-75-5-----	2-Nitrophenol	10	U	
100-02-7-----	4-Nitrophenol	24	U	
86-30-6-----	N-Nitrosodiphenylamine	10	U	
621-64-7-----	N-Nitroso-di-N-propylamine	10	U	
87-86-5-----	Pentachlorophenol	24	U	
85-01-8-----	Phenanthrene	10	U	
108-95-2-----	Phenol	10	U	
129-00-0-----	Pyrene	10	U	
95-95-4-----	2,4,5-Trichlorophenol	10	U	
88-06-2-----	2,4,6-Trichlorophenol	10	U	
98-86-2-----	Acetophenone	10	U	
1912-24-9----	Atrazine	10	U	
100-52-7-----	Benzaldehyde	10	U	
92-52-4-----	Biphenyl	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

133

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08602

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: Z53898.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg)

UG/L

Q

105-60-2-----Caprolactam

10

U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

134

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08602

Sample wt/vol: 1040.0 (g/mL) ML

Lab File ID: Z53898.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	12.33	2	J
2.	UNKNOWN	20.25	6	BJ
3.	UNKNOWN	21.41	5	BJ
4.	UNKNOWN	21.71	8	BJ
5.	UNKNOWN	22.91	2	BJ
6.	UNKNOWN	23.28	4	BJ

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

159

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08602

Sample wt/vol: 1035.00 (g/mL) ML

Lab File ID: RE21367.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/13/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO. COMPOUND

319-84-6	alpha-BHC	0.048	U
319-85-7	beta-BHC	0.048	U
319-86-8	delta-BHC	0.048	U
58-89-9	gamma-BHC (Lindane)	0.048	U
76-44-8	Heptachlor	0.048	U
309-00-2	Aldrin	0.048	U
1024-57-3	Heptachlor epoxide	0.048	U
959-98-8	Endosulfan I (Alpha)	0.097	U
60-57-1	Dieldrin	0.097	U
72-55-9	4,4'-DDE	0.097	U
72-20-8	Endrin	0.097	U
33213-65-9	Endosulfan II (Beta)	0.097	U
72-54-8	4,4'-DDD	0.097	U
1031-07-8	Endosulfan sulfate	0.097	U
50-29-3	4,4'-DDT	0.097	U
72-43-5	Methoxychlor	0.48	U
53494-70-5	Endrin ketone	0.097	U
7421-93-4	Endrin aldehyde	0.19	U
5103-71-9	Chlordane (alpha & gamma)	0.048	U
5103-74-2	Chlordane (alpha & gamma)	0.048	U
8001-35-2	Toxaphene	0.97	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

175

Client No.

B939W2

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08602

Sample wt/vol: 1035.00 (g/mL) ML

Lab File ID: NA12497.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/12/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/13/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	0.50	U
11104-28-2----	PCB-1221	0.50	U
11141-16-5----	PCB-1232	0.50	U
53469-21-9----	PCB-1242	0.50	U
12672-29-6----	PCB-1248	0.50	U
11097-69-1----	PCB-1254	0.50	U
11096-82-5----	PCB-1260	0.50	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B939W2

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): WATER

Lab Sample ID: AD240039

Level (low/med): LOW

Date Received: 11/8/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	48.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-47-3	Chromium	(1.1)	B		P
7440-48-4	Cobalt	0.50	U		P
7440-50-8	Copper	0.89	B		P
7439-92-1	Lead	2.3	U		P
7440-02-0	Nickel	1.4	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-28-0	Thallium	6.6	B		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	(8.2)	B		P
	Tin	2.9	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

65

Client No.

B939W3

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08603

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6859.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3	-----Chloromethane		5	U
74-83-9	-----Bromomethane		5	U
75-01-4	-----Vinyl chloride		(1)	(J)
75-00-3	-----Chloroethane		5	U
75-09-2	-----Methylene chloride		10	U
67-64-1	-----Acetone		25	U
75-15-0	-----Carbon disulfide		5	U
75-35-4	-----1,1-Dichloroethene		(7)	
75-34-3	-----1,1-Dichloroethane		(18)	
67-66-3	-----Chloroform		5	U
107-06-2	-----1,2-Dichloroethane		5	U
78-93-3	-----2-Butanone		25	U
71-55-6	-----1,1,1-Trichloroethane		(2)	(J)
56-23-5	-----Carbon tetrachloride		5	U
75-27-4	-----Bromodichloromethane		5	U
78-87-5	-----1,2-Dichloropropane		5	U
10061-01-5	-----cis-1,3-Dichloropropene		5	U
79-01-6	-----Trichloroethene		5	U
124-48-1	-----Dibromochloromethane		5	U
79-00-5	-----1,1,2-Trichloroethane		5	U
71-43-2	-----Benzene		5	U
10061-02-6	-----trans-1,3-Dichloropropene		5	U
75-25-2	-----Bromoform		5	U
108-10-1	-----4-Methyl-2-pentanone		25	U
591-78-6	-----2-Hexanone		25	U
127-18-4	-----Tetrachloroethene		5	U
108-88-3	-----Toluene		5	U
79-34-5	-----1,1,2,2-Tetrachloroethane		5	U
108-90-7	-----Chlorobenzene		5	U
100-41-4	-----Ethylbenzene		5	U
100-42-5	-----Styrene		5	U
1330-20-7	-----Xylene, Total		5	U
75-71-8	-----Dichlorodifluoromethane		5	U
75-69-4	-----Trichlorofluoromethane		5	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

66

Client No.

B939W3

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08603

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6859.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	5	U	
1634-04-4-----	Methyl tert-butyl ether	10	U	
156-59-2-----	cis-1,2-Dichloroethene	(3	J	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	5	U	
98-82-8-----	Isopropylbenzene	5	U	
541-73-1-----	1,3-Dichlorobenzene	5	U	
106-46-7-----	1,4-Dichlorobenzene	5	U	
95-50-1-----	1,2-Dichlorobenzene	5	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U	
120-82-1-----	1,2,4-Trichlorobenzene	5	U	
79-20-9-----	Methyl Acetate	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

67

Client No.

B939W3

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08603

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6859.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

135

Client No.

Lab Name: STL Buffalo

Contract: C004154

B939W3

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08603

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53899.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene	10	U	
208-96-8	Acenaphthylene	10	U	
120-12-7	Anthracene	10	U	
56-55-3	Benzo(a)anthracene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	
50-32-8	Benzo(a)pyrene	10	U	
65-85-0	Benzoic acid	48	U	
100-51-6	Benzyl alcohol	10	U	
111-91-1	bis(2-Chloroethoxy)methane	10	U	
111-44-4	bis(2-Chloroethyl) ether	10	U	
108-60-1	bis(2-Chloroisopropyl) ether	10	U	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	
101-55-3	4-Bromophenylphenylether	10	U	
85-68-7	Butylbenzylphthalate	10	U	
106-47-8	4-Chloroaniline	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-58-7	2-Chloronaphthalene	10	U	
95-57-8	2-Chlorophenol	10	U	
7005-72-3	4-Chlorophenylphenylether	10	U	
218-01-9	Chrysene	10	U	
53-70-3	Dibenzo(a,h)anthracene	10	U	
132-64-9	Dibenzofuran	10	U	
84-74-2	di-n-Butylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
84-66-2	Diethylphthalate	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
131-11-3	Dimethylphthalate	10	U	
534-52-1	2-Methyl-4,6-dinitrophenol	24	U	
51-28-5	2,4-Dinitrophenol	24	U	
121-14-2	2,4-Dinitrotoluene	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

136

Client No.

B939W3

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08603

Sample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z53899.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
606-20-2-----	2,6-Dinitrotoluene	10	U	
117-84-0-----	di-n-Octylphthalate	<0.9	(J)	
206-44-0-----	Fluoranthene	10	U	
86-73-7-----	Fluorene	10	U	
118-74-1-----	Hexachlorobenzene	10	U	
87-68-3-----	Hexachlorobutadiene	10	U	
77-47-4-----	Hexachlorocyclopentadiene	10	U	
67-72-1-----	Hexachloroethane	10	U	
193-39-5-----	Indeno (1,2,3-c,d)pyrene	10	U	
78-59-1-----	Isophorone	10	U	
91-57-6-----	2-Methylnaphthalene	10	U	
95-48-7-----	2-Methylphenol	10	U	
106-44-5-----	4-Methylphenol	10	U	
91-20-3-----	Naphthalene	10	U	
88-74-4-----	2-Nitroaniline	24	U	
99-09-2-----	3-Nitroaniline	24	U	
100-01-6-----	4-Nitroaniline	24	U	
98-95-3-----	Nitrobenzene	10	U	
88-75-5-----	2-Nitrophenol	10	U	
100-02-7-----	4-Nitrophenol	24	U	
86-30-6-----	N-Nitrosodiphenylamine	10	U	
621-64-7-----	N-Nitroso-di-N-propylamine	10	U	
87-86-5-----	Pentachlorophenol	24	U	
85-01-8-----	Phenanthrene	10	U	
108-95-2-----	Phenol	10	U	
129-00-0-----	Pyrene	10	U	
95-95-4-----	2,4,5-Trichlorophenol	10	U	
88-06-2-----	2,4,6-Trichlorophenol	10	U	
98-86-2-----	Acetophenone	10	U	
1912-24-9-----	Atrazine	10	U	
100-52-7-----	Benzaldehyde	10	U	
92-52-4-----	Biphenyl	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

137

Client No.

B939W3

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08603

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53899.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

105-60-2-----Caprolactam	10	U
--------------------------	----	---

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

138

Client No.

B939W3

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECN Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08603

Sample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z53899.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	20.01	9	BJ
2.	UNKNOWN	20.25	10	BJ
3.	UNKNOWN	21.71	19	BJ
4.	UNKNOWN	22.91	4	BJ
5.	UNKNOWN	23.26	3	BJ
6.	UNKNOWN	24.61	4	BJ

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

160

Client No.

B939W3

Lab Name: SIL Buffalo

Contract: C004154

Lab Code: RECN

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08603

Sample wt/vol: 1030.00 (g/mL) ML

Lab File ID: RB21368.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/13/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.048	U
319-85-7-----	beta-BHC	0.048	U
319-86-8-----	delta-BHC	0.048	U
58-89-9-----	gamma-BHC (Lindane)	0.048	U
76-44-8-----	Heptachlor	0.048	U
309-00-2-----	Aldrin	0.048	U
1024-57-3-----	Heptachlor epoxide	0.048	U
959-98-8-----	Endosulfan I (Alpha)	0.097	U
60-57-1-----	Dieldrin	0.097	U
72-55-9-----	4,4'-DDE	0.097	U
72-20-8-----	Endrin	0.097	U
33213-65-9-----	Endosulfan II (Beta)	0.097	U
72-54-8-----	4,4'-DDD	0.097	U
1031-07-8-----	Endosulfan sulfate	0.097	U
50-29-3-----	4,4'-DDT	0.097	U
72-43-5-----	Methoxychlor	0.48	U
53494-70-5-----	Endrin ketone	0.097	U
7421-93-4-----	Endrin aldehyde	0.19	U
5103-71-9-----	Chlordane (alpha & gamma)	0.048	U
5103-74-2-----	Chlordane (alpha & gamma)	0.048	U
8001-35-2-----	Toxaphene	0.97	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

176

Client No.

B939W3

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08603

Sample wt/vol: 1030.00 (g/mL) ML

Lab File ID: NA12498.TX0

% Moisture: decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/12/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/13/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	0.50	U
11104-28-2----	PCB-1221	0.50	U
11141-16-5----	PCB-1232	0.50	U
53469-21-9----	PCB-1242	0.50	U
12672-29-6----	PCB-1248	0.50	U
11097-69-1----	PCB-1254	0.50	U
11096-82-5----	PCB-1260	0.50	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B939W3

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): WATER

Lab Sample ID: AD240040

Level (low/med): LOW

Date Received: 11/8/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	48.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-47-3	Chromium	0.74	B		P
7440-48-4	Cobalt	19.6	B		P
7440-50-8	Copper	0.93	B		P
7439-92-1	Lead	2.3	U		P
7440-02-0	Nickel	1080			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	31.3			P
	Tin	2.9	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

68

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No.:

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6860.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		5	U
74-83-9	Bromomethane		5	U
75-01-4	Vinyl chloride	(3	(3	U
75-00-3	Chloroethane	(3	(3	U
75-09-2	Methylene chloride	10	10	U
67-64-1	Acetone	25	25	U
75-15-0	Carbon disulfide	5	5	U
75-35-4	1,1-Dichloroethene	(81	(81	U
75-34-3	1,1-Dichloroethane	(180	(180	U
67-66-3	Chloroform	5	5	U
107-06-2	1,2-Dichloroethane	5	5	U
78-93-3	2-Butanone	25	25	U
71-55-6	1,1,1-Trichloroethane	(580	(580	U
56-23-5	Carbon tetrachloride	5	5	U
75-27-4	Bromodichloromethane	5	5	U
78-87-5	1,2-Dichloropropane	5	5	U
10061-01-5	cis-1,3-Dichloropropene	5	5	U
79-01-6	Trichloroethene	140	140	U
124-48-1	Dibromochloromethane	5	5	U
79-00-5	1,1,2-Trichloroethane	5	5	U
71-43-2	Benzene	5	5	U
10061-02-6	trans-1,3-Dichloropropene	5	5	U
75-25-2	Bromoform	5	5	U
108-10-1	4-Methyl-2-pentanone	25	25	U
591-78-6	2-Hexanone	25	25	U
127-18-4	Tetrachloroethene	5	5	U
108-88-3	Toluene	5	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	5	U
108-90-7	Chlorobenzene	5	5	U
100-41-4	Ethylbenzene	5	5	U
100-42-5	Styrene	5	5	U
1330-20-7	Xylene, Total	5	5	U
75-71-8	Dichlorodifluoromethane	5	5	U
75-69-4	Trichlorofluoromethane	5	5	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

69

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08604

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6860.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	5	U	
1634-04-4----	Methyl tert-butyl ether	10	U	
156-59-2-----	cis-1,2-Dichloroethene	41		
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	5	U	
98-82-8-----	Isopropylbenzene	5	U	
541-73-1-----	1,3-Dichlorobenzene	5	U	
106-46-7-----	1,4-Dichlorobenzene	5	U	
95-50-1-----	1,2-Dichlorobenzene	5	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U	
120-82-1-----	1,2,4-Trichlorobenzene	5	U	
79-20-9-----	Methyl Acetate	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

70

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6860.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

71

Client No.

B939W4 DL

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6882.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	25	U
74-83-9	-----Bromomethane	25	U
75-01-4	-----Vinyl chloride	25	U
75-00-3	-----Chloroethane	25	U
75-09-2	-----Methylene chloride	50	U
67-64-1	-----Acetone	120	U
75-15-0	-----Carbon disulfide	25	U
75-35-4	-----1,1-Dichloroethene	(47)	(D)
75-34-3	-----1,1-Dichloroethane	(150)	(D)
67-66-3	-----Chloroform	25	U
107-06-2	-----1,2-Dichloroethane	25	U
78-93-3	-----2-Butanone	120	U
71-55-6	-----1,1,1-Trichloroethane	(380)	(D)
56-23-5	-----Carbon tetrachloride	25	U
75-27-4	-----Bromodichloromethane	25	U
78-87-5	-----1,2-Dichloropropane	25	U
10061-01-5	-----cis-1,3-Dichloropropene	25	U
79-01-6	-----Trichloroethene	(110)	(D)
124-48-1	-----Dibromochloromethane	25	U
79-00-5	-----1,1,2-Trichloroethane	25	U
71-43-2	-----Benzene	25	U
10061-02-6	-----trans-1,3-Dichloropropene	25	U
75-25-2	-----Bromoform	25	U
108-10-1	-----4-Methyl-2-pentanone	120	U
591-78-6	-----2-Hexanone	120	U
127-18-4	-----Tetrachloroethene	25	U
108-88-3	-----Toluene	25	U
79-34-5	-----1,1,2,2-Tetrachloroethane	25	U
108-90-7	-----Chlorobenzene	25	U
100-41-4	-----Ethylbenzene	25	U
100-42-5	-----Styrene	25	U
1330-20-7	-----Xylene, Total	25	U
75-71-8	-----Dichlorodifluoromethane	25	U
75-69-4	-----Trichlorofluoromethane	25	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

72

Client No.

B939W4 DL

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6882.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	50	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
1634-04-4----	Methyl tert-butyl ether	50	U
156-59-2-----	cis-1,2-Dichloroethene	35	D
110-82-7-----	Cyclohexane	50	U
108-87-2-----	Methylcyclohexane	50	U
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	25	U
98-82-8-----	Isopropylbenzene	25	U
541-73-1-----	1,3-Dichlorobenzene	25	U
106-46-7-----	1,4-Dichlorobenzene	25	U
95-50-1-----	1,2-Dichlorobenzene	25	U
96-12-8-----	1,2-Dibromo-3-chloropropane	25	U
120-82-1-----	1,2,4-Trichlorobenzene	25	U
79-20-9-----	Methyl Acetate	50	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

73

Client No.

B939W4 DL

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6882.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TTCs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

139

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08604

Sample wt/vol: 1030.0 (g/mL) ML Lab File ID: Z53900.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo (a) anthracene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U
50-32-8	Benzo (a) pyrene	10	U
65-85-0	Benzoic acid	48	U
100-51-6	Benzyl alcohol	10	U
111-91-1	bis (2-Chloroethoxy) methane	10	U
111-44-4	bis (2-Chloroethyl) ether	10	U
108-60-1	bis (2-Chloroisopropyl) ether	10	U
117-81-7	bis (2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenylphenylether	10	U
85-68-7	Butylbenzylphthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	di-n-Butylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethylphthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethylphthalate	10	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

140

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z53900.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
606-20-2-----	2,6-Dinitrotoluene	10	U	
117-84-0-----	di-n-Octylphthalate	0.5	J	
206-44-0-----	Fluoranthene	10	U	
86-73-7-----	Fluorene	10	U	
118-74-1-----	Hexachlorobenzene	10	U	
87-68-3-----	Hexachlorobutadiene	10	U	
77-47-4-----	Hexachlorocyclopentadiene	10	U	
67-72-1-----	Hexachloroethane	10	U	
193-39-5-----	Indeno(1,2,3-c,d)pyrene	10	U	
78-59-1-----	Isophorone	10	U	
91-57-6-----	2-Methylnaphthalene	10	U	
95-48-7-----	2-Methylphenol	10	U	
106-44-5-----	4-Methylphenol	10	U	
91-20-3-----	Naphthalene	10	U	
88-74-4-----	2-Nitroaniline	24	U	
99-09-2-----	3-Nitroaniline	24	U	
100-01-6-----	4-Nitroaniline	24	U	
98-95-3-----	Nitrobenzene	10	U	
88-75-5-----	2-Nitrophenol	10	U	
100-02-7-----	4-Nitrophenol	24	U	
86-30-6-----	N-Nitrosodiphenylamine	10	U	
621-64-7-----	N-Nitroso-di-N-propylamine	10	U	
87-86-5-----	Pentachlorophenol	24	U	
85-01-8-----	Phenanthrene	10	U	
108-95-2-----	Phenol	10	U	
129-00-0-----	Pyrene	10	U	
95-95-4-----	2,4,5-Trichlorophenol	10	U	
88-06-2-----	2,4,6-Trichlorophenol	10	U	
98-86-2-----	Acetophenone	10	U	
1912-24-9----	Atrazine	10	U	
100-52-7-----	Benzaldehyde	10	U	
92-52-4-----	Biphenyl	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

141

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z53900.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
105-60-2-----	Caprolactam	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

142

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 1030.0 (g/mL) ML

Lab File ID: Z53900.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.68	2	BJ
2.	UNKNOWN	20.01	6	BJ
3.	UNKNOWN	20.25	9	BJ
4.	UNKNOWN	21.36	3	BJ
5.	UNKNOWN	21.41	9	BJ
6.	UNKNOWN	21.70	19	BJ
7.	UNKNOWN	22.91	7	BJ
8.	UNKNOWN	22.96	6	BJ
9.	UNKNOWN	23.25	13	BJ
10.	UNKNOWN	24.61	8	BJ

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

161

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 1035.00 (g/mL) ML

Lab File ID: RE21369.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/13/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO. COMPOUND

319-84-6	alpha-BHC	0.048	U
319-85-7	beta-BHC	0.048	U
319-86-8	delta-BHC	0.048	U
58-89-9	gamma-BHC (Lindane)	0.048	U
76-44-8	Heptachlor	0.048	U
309-00-2	Aldrin	0.048	U
1024-57-3	Heptachlor epoxide	0.048	U
959-98-8	Endosulfan I (Alpha)	0.097	U
60-57-1	Dieldrin	0.097	U
72-55-9	4,4'-DDE	0.097	U
72-20-8	Endrin	0.097	U
33213-65-9	Endosulfan II (Beta)	0.097	U
72-54-8	4,4'-DDD	0.097	U
1031-07-8	Endosulfan sulfate	0.097	U
50-29-3	4,4'-DDT	0.097	U
72-43-5	Methoxychlor	0.48	U
53494-70-5	Endrin ketone	0.097	U
7421-93-4	Endrin aldehyde	0.19	U
5103-71-9	Chlordane (alpha & gamma)	0.048	U
5103-74-2	Chlordane (alpha & gamma)	0.048	U
8001-35-2	Toxaphene	0.97	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

177

Client No.

B939W4

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08604

Sample wt/vol: 1035.00 (g/mL) ML

Lab File ID: NA12499.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/12/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/13/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	0.50	U
11104-28-2----	PCB-1221	0.50	U
11141-16-5----	PCB-1232	0.50	U
53469-21-9----	PCB-1242	0.50	U
12672-29-6----	PCB-1248	0.50	U
11097-69-1----	PCB-1254	0.50	U
11096-82-5----	PCB-1260	0.50	U

NYS DEC

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B939W4

Contract: NY00-096

Lab Code: STLBFL0

Case No.: SH902

SAS No.:

SDG NO.: 1107

Matrix (soil/water): WATER

Lab Sample ID: AD240041

Level (low/med): LOW

Date Received: 11/8/02

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	91.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-47-3	Chromium	0.72	B		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	0.60	U		P
7439-92-1	Lead	2.7	B		P
7440-02-0	Nickel	8.5	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-28-0	Thallium	4.2	B		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	163			P
	Tin	2.9	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: NONE

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

74

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECN Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6861.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Heated Purge: N

Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		5	U
74-83-9	Bromomethane		5	U
75-01-4	Vinyl chloride		(10	
75-00-3	Chloroethane		(49	
75-09-2	Methylene chloride		(1	J
67-64-1	Acetone		25	U
75-15-0	Carbon disulfide		5	U
75-35-4	1,1-Dichloroethene		(36	
75-34-3	1,1-Dichloroethane		(560	E
67-66-3	Chloroform		(7	
107-06-2	1,2-Dichloroethane		5	U
78-93-3	2-Butanone		25	U
71-55-6	1,1,1-Trichloroethane		(140	
56-23-5	Carbon tetrachloride		5	U
75-27-4	Bromodichloromethane		5	U
78-87-5	1,2-Dichloropropane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
79-01-6	Trichloroethene		(22	
124-48-1	Dibromochloromethane		5	U
79-00-5	1,1,2-Trichloroethane		5	U
71-43-2	Benzene		(2	J
10061-02-6	trans-1,3-Dichloropropene		5	U
75-25-2	Bromoform		5	U
108-10-1	4-Methyl-2-pentanone		25	U
591-78-6	2-Hexanone		25	U
127-18-4	Tetrachloroethene		(6	
108-88-3	Toluene		5	U
79-34-5	1,1,2,2-Tetrachloroethane		5	U
108-90-7	Chlorobenzene		5	U
100-41-4	Ethylbenzene		5	U
100-42-5	Styrene		5	U
1330-20-7	Xylene, Total		5	U
75-71-8	Dichlorodifluoromethane		5	U
75-69-4	Trichlorofluoromethane		5	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

75

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08605

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6861.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
1634-04-4----	Methyl tert-butyl ether	10	U
156-59-2-----	cis-1,2-Dichloroethene	18	U
110-82-7-----	Cyclohexane	5	J
108-87-2-----	Methylcyclohexane	6	J
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	5	U
98-82-8-----	Isopropylbenzene	5	U
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
95-50-1-----	1,2-Dichlorobenzene	5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
79-20-9-----	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

76

Client No.

B939W5

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08605

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6861.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Date Analyzed: 11/11/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 109-66-0	PENTANE	2.23	7	JN
2.	UNSATURATED HYDROCARBON	3.68	6	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

77

Client No.

B939W5 DL

Lab Name: STL Buffalo) Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08605DL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6883.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		25	U
74-83-9	Bromomethane		25	U
75-01-4	Vinyl chloride	(8)		DJ
75-00-3	Chloroethane	(39)		D
75-09-2	Methylene chloride		50	U
67-64-1	Acetone		120	U
75-15-0	Carbon disulfide		25	U
75-35-4	1,1-Dichloroethene	(20)		DJ
75-34-3	1,1-Dichloroethane	(430)		D
67-66-3	Chloroform	(6)		DJ
107-06-2	1,2-Dichloroethane		25	U
78-93-3	2-Butanone		120	U
71-55-6	1,1,1-Trichloroethane	(110)		D
56-23-5	Carbon tetrachloride		25	U
75-27-4	Bromodichloromethane		25	U
78-87-5	1,2-Dichloropropane		25	U
10061-01-5	cis-1,3-Dichloropropene		25	U
79-01-6	Trichloroethene	(20)		DJ
124-48-1	Dibromochloromethane		25	U
79-00-5	1,1,2-Trichloroethane		25	U
71-43-2	Benzene		25	U
10061-02-6	trans-1,3-Dichloropropene		25	U
75-25-2	Bromoform		25	U
108-10-1	4-Methyl-2-pentanone		120	U
591-78-6	2-Hexanone		120	U
127-18-4	Tetrachloroethene		5	DJ
108-88-3	Toluene		25	U
79-34-5	1,1,2,2-Tetrachloroethane		25	U
108-90-7	Chlorobenzene		25	U
100-41-4	Ethylbenzene		25	U
100-42-5	Styrene		25	U
1330-20-7	Xylene, Total		25	U
75-71-8	Dichlorodifluoromethane		25	U
75-69-4	Trichlorofluoromethane		25	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

78

Client No.

B939W5 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08605DL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6883.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	50	U	
156-60-5-----	trans-1,2-Dichloroethene	25	U	
1634-04-4----	Methyl tert-butyl ether	50	U	
156-59-2-----	cis-1,2-Dichloroethene	<17	(DJ)	
110-82-7-----	Cyclohexane	50	U	
108-87-2-----	Methylcyclohexane	50	U	
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	25	U	
98-82-8-----	Isopropylbenzene	25	U	
541-73-1-----	1,3-Dichlorobenzene	25	U	
106-46-7-----	1,4-Dichlorobenzene	25	U	
95-50-1-----	1,2-Dichlorobenzene	25	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	25	U	
120-82-1-----	1,2,4-Trichlorobenzene	25	U	
79-20-9-----	Methyl Acetate	50	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

79

Client No.

B939W5 DL

Lab Name: STL Buffalo

Contract: C004154

Lab Code: REONY

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605DL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: F6883.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____

Date Analyzed: 11/12/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 5.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

143

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53901.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
83-32-9	Acenaphthene	10	U	
208-96-8	Acenaphthylene	10	U	
120-12-7	Anthracene	10	U	
56-55-3	Benzo (a) anthracene	10	U	
207-08-9	Benzo (k) fluoranthene	10	U	
191-24-2	Benzo (g,h,i) perylene	10	U	
50-32-8	Benzo (a) pyrene	10	U	
65-85-0	Benzoic acid	48	U	
100-51-6	Benzyl alcohol	10	U	
111-91-1	bis (2-Chloroethoxy) methane	10	U	
111-44-4	bis (2-Chloroethyl) ether	10	U	
108-60-1	bis (2-Chloroisopropyl) ether	10	U	
117-81-7	bis (2-Ethylhexyl) phthalate	<0.5	J	
101-55-3	4-Bromophenylphenylether	10	U	
85-68-7	Butylbenzylphthalate	<0.3	J	
106-47-8	4-Chloroaniline	10	U	
59-50-7	4-Chloro-3-methylphenol	10	U	
91-58-7	2-Chloronaphthalene	10	U	
95-57-8	2-Chlorophenol	10	U	
7005-72-3	4-Chlorophenylphenylether	10	U	
218-01-9	Chrysene	10	U	
53-70-3	Dibenzo (a,h) anthracene	10	U	
132-64-9	Dibenzofuran	10	U	
84-74-2	di-n-Butylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
84-66-2	Diethylphthalate	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
131-11-3	Dimethylphthalate	10	U	
534-52-1	2-Methyl-4,6-dinitrophenol	24	U	
51-28-5	2,4-Dinitrophenol	24	U	
121-14-2	2,4-Dinitrotoluene	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

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Client No.

B939W5

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08605

Sample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z53901.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	di-n-Octylphthalate	10.4	(J)
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-c,d)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
92-52-4	Biphenyl	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

145

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53901.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.

COMPOUND

105-60-2-----Caprolactam

10

U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

146

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605

Sample wt/vol: 1035.0 (g/mL) ML

Lab File ID: Z53901.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: _____ decanted: (Y/N) N

Date Extracted: 11/11/2002

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/15/2002

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	18.68	3	BJ
2.	UNKNOWN	20.01	4	BJ
3.	UNKNOWN	20.26	7	BJ
4.	UNKNOWN	21.41	6	BJ
5.	UNKNOWN	21.70	12	BJ
6.	UNKNOWN	22.91	3	BJ
7.	UNKNOWN	23.25	3	BJ
8.	UNKNOWN	24.61	4	BJ

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

162

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: _____ SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605

Sample wt/vol: 1025.00 (g/mL) ML

Lab File ID: RB21370.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/13/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/18/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
319-84-6-----	alpha-BHC	0.049	U
319-85-7-----	beta-BHC	0.049	U
319-86-8-----	delta-BHC	0.049	U
58-89-9-----	gamma-BHC (Lindane)	0.049	U
76-44-8-----	Heptachlor	0.049	U
309-00-2-----	Aldrin	0.049	U
1024-57-3----	Heptachlor epoxide	0.049	U
959-98-8-----	Endosulfan I (Alpha)	0.098	U
60-57-1-----	Dieldrin	0.098	U
72-55-9-----	4,4'-DDE	0.098	U
72-20-8-----	Endrin	0.098	U
33213-65-9----	Endosulfan II (Beta)	0.098	U
72-54-8-----	4,4'-DDD	0.098	U
1031-07-8----	Endosulfan sulfate	0.098	U
50-29-3-----	4,4'-DDT	0.098	U
72-43-5-----	Methoxychlor	0.49	U
53494-70-5----	Endrin ketone	0.098	U
7421-93-4-----	Endrin aldehyde	0.20	U
5103-71-9-----	Chlordane (alpha & gamma)	0.049	U
5103-74-2-----	Chlordane (alpha & gamma)	0.049	U
8001-35-2-----	Toxaphene	0.98	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

178

Client No.

B939W5

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECNV

Case No.: SH902

SAS No.: _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08605

Sample wt/vol: 1030.00 (g/mL) ML

Lab File ID: NA12500.TX0

% Moisture: _____ decanted: (Y/N) N

Date Samp/Recv: 11/07/2002 11/08/2002

Extraction: (SepF/Cont/Sonc/Soxh): SEPF

Date Extracted: 11/12/2002

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/13/2002

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
12674-11-2----	PCB-1016	0.50	U
11104-28-2----	PCB-1221	0.50	U
11141-16-5----	PCB-1232	0.50	U
53469-21-9----	PCB-1242	0.50	U
12672-29-6----	PCB-1248	0.50	U
11097-69-1----	PCB-1254	0.50	U
11096-82-5----	PCB-1260	0.50	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B939W5

Contract: NY00-096

Lab Code: STLBFLOCase No.: SH902

SAS No.: _____

SDG No.: 1107Matrix (soil/water): WATERLab Sample ID: AD240042Level (low/med): LOWDate Received: 11/8/02Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	53.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.30	U		P
7440-47-3	Chromium	(1.4)	B		P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	0.83	B		P
7439-92-1	Lead	2.3	U		P
7440-02-0	Nickel	727			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	0.50	U		P
7439-97-6	Mercury	0.065	U		CV
7440-28-0	Thallium	3.9	U		P
7440-62-2	Vanadium	0.70	U		P
7440-66-6	Zinc	(21.1)			P
	Tin	2.9	U		P

Color Before: COLORLESSClarity Before: CLEARTexture: NONEColor After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

80

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECONY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08618

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3060.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	-----Chloromethane		5	U
74-83-9	-----Bromomethane		5	U
75-01-4	-----Vinyl chloride		5	U
75-00-3	-----Chloroethane		5	U
75-09-2	-----Methylene chloride		10	U
67-64-1	-----Acetone		25	U
75-15-0	-----Carbon disulfide		5	U
75-35-4	-----1,1-Dichloroethene		5	U
75-34-3	-----1,1-Dichloroethane		5	U
67-66-3	-----Chloroform		5	U
107-06-2	-----1,2-Dichloroethane		5	U
78-93-3	-----2-Butanone		25	U
71-55-6	-----1,1,1-Trichloroethane		5	U
56-23-5	-----Carbon tetrachloride		5	U
75-27-4	-----Bromodichloromethane		5	U
78-87-5	-----1,2-Dichloropropane		5	U
10061-01-5	-----cis-1,3-Dichloropropene		5	U
79-01-6	-----Trichloroethene		5	U
124-48-1	-----Dibromochloromethane		5	U
79-00-5	-----1,1,2-Trichloroethane		5	U
71-43-2	-----Benzene		5	U
10061-02-6	-----trans-1,3-Dichloropropene		5	U
75-25-2	-----Bromoform		5	U
108-10-1	-----4-Methyl-2-pentanone		25	U
591-78-6	-----2-Hexanone		25	U
127-18-4	-----Tetrachloroethene		5	U
108-88-3	-----Toluene		5	U
79-34-5	-----1,1,2,2-Tetrachloroethane		5	U
108-90-7	-----Chlorobenzene		5	U
100-41-4	-----Ethylbenzene		5	U
100-42-5	-----Styrene		5	U
1330-20-7	-----Xylene, Total		5	U
75-71-8	-----Dichlorodifluoromethane		5	U
75-69-4	-----Trichlorofluoromethane		5	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

81

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH902 SAS No.: SDG No.: 1107

Matrix: (soil/water) WATER Lab Sample ID: A2B08618

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: N3060.RR

Level: (low/med) LOW Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. Heated Purge: N Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
76-13-1-----	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U	
156-60-5-----	trans-1,2-Dichloroethene	5	U	
1634-04-4-----	Methyl tert-butyl ether	10	U	
156-59-2-----	cis-1,2-Dichloroethene	5	U	
110-82-7-----	Cyclohexane	10	U	
108-87-2-----	Methylcyclohexane	10	U	
106-93-4-----	1,2-Dibromoethane (Ethylene dibromide)	5	U	
98-82-8-----	Isopropylbenzene	5	U	
541-73-1-----	1,3-Dichlorobenzene	5	U	
106-46-7-----	1,4-Dichlorobenzene	5	U	
95-50-1-----	1,2-Dichlorobenzene	5	U	
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U	
120-82-1-----	1,2,4-Trichlorobenzene	5	U	
79-20-9-----	Methyl Acetate	10	U	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

82

Client No.

TRIP BLANK

Lab Name: STL Buffalo

Contract: C004154

Lab Code: RECONY

Case No.: SH902

SAS No. _____

SDG No.: 1107

Matrix: (soil/water) WATER

Lab Sample ID: A2B08618

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: N3060.RR

Level: (low/med) LOW

Date Samp/Recv: 11/07/2002 11/08/2002

% Moisture: not dec. _____

Date Analyzed: 11/17/2002

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q