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5

Project Site numbers will be proceeded by the following:

Municipal Brownfields - b

Superfund - hw

Spills - sp

ERP - e

VCP - v

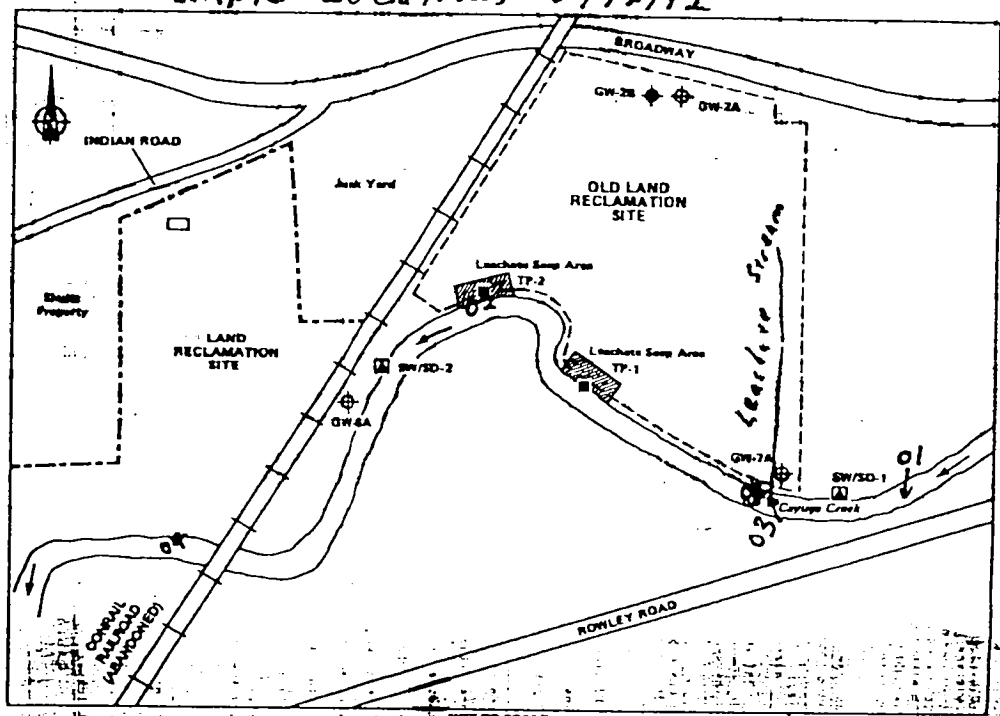
BCP - c

non-releasable - put .nf.pdf

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Sample Locations 5/14/92

Sample Locations 5/14/92



KEY:
◆ Overburden Monitoring Well
◆ Bedrock Monitoring Well
■ Leachate Location
□ Surface Water/Sediment Sample

Figure 1-3
OVERBURDEN/BEDROCK MONITORING WELL, LEACHATE AND SURFACE WATER/SEDIMENT SAMPLE LOCATIONS AT OLD LAND RECLAMATION

5/14/92 No 915124

Old bend Reclamation.

Arrived on site at 10:45 AM

K Glaser, D. Passon, T. Sylvester

Prepared Sample B¹ location
and proceeded to locate

Sample Locations

Overcast Cool Dry
approx. 60°F.

Sample A462 01 was
taken by T. Sylvester up stream

of landfill at map location

S12 S D T. Water running

quickly, clear, could see

Fish 11:35 AM

Sample A462 - 02

Taken by D. Passon at

11:40 AM at map

location T P 2. Runoff
leaked

Sample A462 - 03

Taken by D. Passon at

Stream not shown on map

that empties into creek.

Was running with leachate

Taken at 11:55 AM.

Sample A462 - 04

Taken by T. Sylvester at

12:10 PM taken down stream

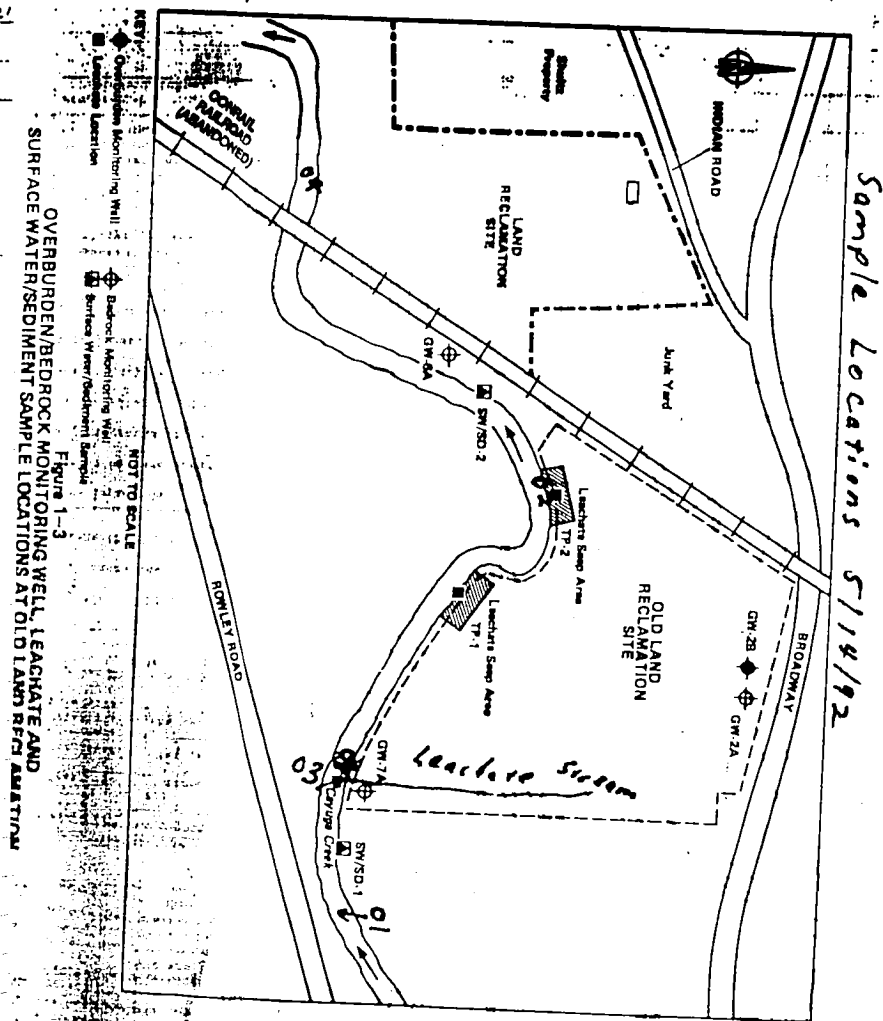
of creek near Boundary

Old Land Reclamation
and Land Reclamation

Creek loaded with leachate
running down creek bank
into creek,

Samples to be analyzed
at R.T.C.P.A. All samples
taken were 2 UGA's,
1 metal, pesticides, PCB's
and semi volatile, at each location
NOTE on Sample 17462-04
1 UGA Bottle was broken

Sample Locations 5/14/92



Sample Locations 5/14/92

A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE #1
Surface water

EPA SAMPLE NO. 010

A46201

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011429
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0303
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: not dec. _____ Date Analyzed: 05/18/92
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
 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) <u>UG/L</u>	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	21	
75-09-2	Methylene Chloride	0.8	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	6	J
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	0.7	J
108-90-7	Chlorobenzene	8	J
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	0.5	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 015

A46201

Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011429
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0303
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: not dec. _____ Date Analyzed: 05/18/92
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: _____ 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 8 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. _____	Unknown	4.52	6	J
2. _____	Unknown	7.02	6	J
3. <u>109-99-9</u>	Tetrahydrofuran	12.82	10	JN
4. _____	Trimethyl benzene isomer	22.52	3	J
5. _____	Dichlorobenzene isomer	23.14	5	J
6. _____	Aromatic derivative	23.52	3	J
7. _____	Unknown	24.62	5	J
8. _____	Alkylbenzene isomer	25.67	2	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 004

A46201

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011429
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11115Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

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

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A46201

Name: RECRA ENVIRON

Contract: C002412

Lab Code: RECNY

Case No.: SH992

SAS No.: _____

SDG No.: 0514

Matrix: (soil/water) WATER

Lab Sample ID: AS011429

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 11115Z

Level: (low/med) LOW

Date Received: 05/15/92

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

Date Extracted: 05/20/92

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 05/27/92

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

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

CAS NO.

COMPOUND

Q

51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A46201

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011429

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11115Z

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 822-67-3	2-Cyclohexen-1-ol	4.48	34	BJN
2. 930-68-7	2-Cyclohexen-1-one	5.27	12	BJN
3. _____	Unknown	5.70	2	J
4. _____	Oxygenated Compound	6.00	2	J
5. _____	Unknown	7.55	48	BJ
6. _____	Unknown	8.02	6	BJ
7. _____	Unknown	8.18	15	J
8. _____	Unsaturated Hydrocarbon	8.32	21	BJ
9. _____	Unknown	11.94	15	BJ
10. _____	Unknown	25.34	3	J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

A46201

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011429
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 05/15/92
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/20/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/92
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

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	0.050	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	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
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46201

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix (soil/water): WATER Lab Sample ID: 5547

Level (low/med): LOW Date Received: 05/15/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.5	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.0	U		F
7440-39-3	Barium	51.0	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	56800			P
7440-47-3	Chromium	10.0	U		A
7440-48-4	Cobalt	20.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	239			P
7439-92-1	Lead	11.0		N	F
7439-95-4	Magnesium	9740			P
7439-96-5	Manganese	18.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	2080	B		P
7782-49-2	Selenium	5.0	U	WN	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	19000			P
7440-28-0	Thallium	7.0	U	W	F
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	10.0	U		P
	Cyanide				NR

20,000

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

LAB SAMPLE ID: AS011429
CLIENT_SAMPLE_ID: SH992-0514-A46201

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE # 2
(leachate)

EPA SAMPLE NO.

A46202

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011430
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0297
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: not dec. _____ Date Analyzed: 05/18/92
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 021

A46202

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011430

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0297

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: not dec. _____ Date Analyzed: 05/18/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A46202

Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011430

Sample wt/vol: 930 (g/mL) ML Lab File ID: 11116Z

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
108-95-2	Phenol	11		U
111-44-4	bis(2-Chloroethyl) Ether	11		U
95-57-8	2-Chlorophenol	11		U
541-73-1	1,3-Dichlorobenzene	11		U
106-46-7	1,4-Dichlorobenzene	3		J
95-50-1	1,2-Dichlorobenzene	11		U
95-48-7	2-Methylphenol	11		U
108-60-1	2,2'-oxybis(1-Chloropropane)	11		U
106-44-5	4-Methylphenol	11		U
621-64-7	N-Nitroso-Di-n-Propylamine	11		U
67-72-1	Hexachloroethane	11		U
98-95-3	Nitrobenzene	11		U
78-59-1	Isophorone	11		U
88-75-5	2-Nitrophenol	11		U
105-67-9	2,4-Dimethylphenol	11		U
111-91-1	bis(2-Chloroethoxy) Methane	11		U
120-83-2	2,4-Dichlorophenol	11		U
120-82-1	1,2,4-Trichlorobenzene	11		U
91-20-3	Naphthalene	0.9		J
106-47-8	4-Chloroaniline	11		U
87-68-3	Hexachlorobutadiene	11		U
59-50-7	4-Chloro-3-Methylphenol	11		U
91-57-6	2-Methylnaphthalene	11		U
77-47-4	Hexachlorocyclopentadiene	11		U
88-06-2	2,4,6-Trichlorophenol	11		U
95-95-4	2,4,5-Trichlorophenol	27		U
91-58-7	2-Chloronaphthalene	11		U
88-74-4	2-Nitroaniline	27		U
131-11-3	Dimethyl Phthalate	11		U
208-96-8	Acenaphthylene	11		U
606-20-2	2,6-Dinitrotoluene	11		U
99-09-2	3-Nitroaniline	27		U
83-32-9	Acenaphthene	2		J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 003

A46202

Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011430
 Sample wt/vol: 930 (g/mL) ML Lab File ID: 11116Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO. COMPOUND

51-28-5-----	2,4-Dinitrophenol	54	U
100-02-7-----	4-Nitrophenol	27	U
132-64-9-----	Dibenzofuran	0.8	J
121-14-2-----	2,4-Dinitrotoluene	11	U
84-66-2-----	Diethylphthalate	2	J
7005-72-3-----	4-Chlorophenyl-phenylether	11	U
86-73-7-----	Fluorene	1	J
100-01-6-----	4-Nitroaniline	27	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	27	U
86-30-6-----	N-Nitrosodiphenylamine (1)	11	U
101-55-3-----	4-Bromophenyl-phenylether	11	U
118-74-1-----	Hexachlorobenzene	11	U
87-86-5-----	Pentachlorophenol	27	U
85-01-8-----	Phenanthrene	0.4	J
120-12-7-----	Anthracene	0.4	J
86-74-8-----	Carbazole	11	U
84-74-2-----	Di-n-Butylphthalate	11	U
206-44-0-----	Fluoranthene	11	U
129-00-0-----	Pyrene	11	U
85-68-7-----	Butylbenzylphthalate	11	U
91-94-1-----	3,3'-Dichlorobenzidine	11	U
56-55-3-----	Benzo(a)Anthracene	11	U
218-01-9-----	Chrysene	11	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	11	U
117-84-0-----	Di-n-Octyl Phthalate	11	U
205-99-2-----	Benzo(b)Fluoranthene	11	U
207-08-9-----	Benzo(k)Fluoranthene	11	U
50-32-8-----	Benzo(a)Pyrene	11	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	11	U
53-70-3-----	Dibenz(a,h)Anthracene	11	U
191-24-2-----	Benzo(g,h,i)Perylene	11	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000

A46202

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011430

Sample wt/vol: 930 (g/mL) ML Lab File ID: 11116Z

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.25	10	BJ
2.	Unsaturated Hydrocarbon	9.85	22	J
3.	Ethanol Derivative	10.97	12	J
4.	Oxygenated Compound	11.09	11	J
5.	Unknown	12.02	15	J
6.	Alkyl Substituted Compound	13.10	19	J
7.	Unknown	14.55	9	J
8.	Unknown	16.92	10	J
9.	134-62-3 N,N-Diethyl-3-Methyl Benzamide	17.62	13	JN
10.	Unknown	18.69	4	J
11.	Unknown	18.85	28	J
12.	Oxygenated Compound	19.75	82	J
13.	Unknown	21.87	9	J
14.	Unknown Acid	23.17	7	J
15.	Oxygenated Compound	23.79	14	J
16.	Unknown	25.31	190	J
17.	Unknown	25.51	18	J
18.	Alkyl Phenol Derivative	25.86	10	J
19.	Ethanol Butoxy Derivative	28.16	9	J
20.	Unknown	30.99	3	J

ID
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000

A46202

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011430
 Sample wt/vol: 900.0 (g/mL) ML Lab File ID: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 05/15/92
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/20/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/92
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

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

CAS NO. COMPOUND

319-84-6	alpha-BHC	0.056	U
319-85-7	beta-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.014	JP
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
7421-36-3	Endrin aldehyde	0.11	U
5103-71-9	alpha-Chlordane	0.059	P
5103-74-2	gamma-Chlordane	0.056	U
8001-35-2	Toxaphene	5.6	U
12674-11-2	Aroclor-1016	1.1	U
11104-28-2	Aroclor-1221	2.2	U
11141-16-5	Aroclor-1232	1.1	U
53469-21-9	Aroclor-1242	1.1	U
12672-29-6	Aroclor-1248	1.1	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO. 070

A46202

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix (soil/water): WATER Lab Sample ID: 5548

Level (low/med): LOW Date Received: 05/15/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M	STD.
7429-90-5	Aluminum	19300			P	100
7440-36-0	Antimony	103			P	
7440-38-2	Arsenic	10.0			F	
7440-39-3	Barium	872			P	
7440-41-7	Beryllium	5.0	U		P	
7440-43-9	Cadmium	5.0	U		P	
7440-70-2	Calcium	260000			P	
7440-47-3	Chromium	49.0			A	50
7440-48-4	Cobalt	20.0	U		P	
7440-50-8	Copper	88.2			P	
7439-89-6	Iron	105000			P	300
7439-92-1	Lead	285		+N	F	25
7439-95-4	Magnesium	95500			P	35,000 G
7439-96-5	Manganese	1210			P	300
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	64.9			P	
7440-09-7	Potassium	90200			P	
7782-49-2	Selenium	50.0	U	WN	F	
7440-22-4	Silver	10.0	U		P	
7440-23-5	Sodium	128000			P	20,000
7440-28-0	Thallium	7.0	U	W	F	
7440-62-2	Vanadium	41.7	B		P	
7440-66-6	Zinc	347			P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

LAB SAMPLE ID: AS011430

CLIENT_SAMPLE_ID: SH992-0514-A46202

SAMPLE #3

000

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A46203

Lab Name: RECRA ENVIRON

Contract: C002412

Lab Code: RECNY

Case No.: SH992

SAS No.:

SDG No.: 0514

Matrix: (soil/water) WATER

Lab Sample ID: AS011431

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: L0299

Level: (low/med) LOW

Date Received: 05/15/92

% Moisture: not dec:

Date Analyzed: 05/18/92

GC Column: DB-624 ID: 0.530 (mm)

Dilution Factor: 1.0

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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	0.6	J
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

-E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A46203

Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNV Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011431

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0299

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: not dec. _____ Date Analyzed: 05/18/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. _____	Chloromethyl benzene isomer	21.84	14	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 017

A46203

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011431
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11117Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO. COMPOUND Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 00

A46203

Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011431
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11117Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-Methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A46203

Lab Name: RECRA ENVIRON Contract: C002412

Lab Code: RECN Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011431

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 11117Z

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

Number TICs found: 13

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.32	7	J
2. <u>930-68-7</u>	<u>2-Cyclohexen-1-one</u>	5.27	6	BJN
3.	<u>Chloromethyl benzene isomer</u>	5.67	4	J
4.	Unknown	7.55	8	BJ
5.	Oxygenated Compound	8.20	14	J
6.	Unknown Hydrocarbon	8.77	11	J
7.	Oxygenated Compound	11.07	4	J
8.	Unknown	12.02	41	J
9.	Unknown	18.75	7	J
10.	Oxygenated Compound	19.39	9	J
11.	Unknown	25.21	96	J
12.	Unknown	27.47	4	J
13.	Unknown	28.04	3	J

D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO: 300

A46203

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011431
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 05/15/92
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/20/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/92
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

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	0.050	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	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
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46203

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix (soil/water): WATER Lab Sample ID: 5549

Level (low/med): LOW Date Received: 05/15/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M	STD
7429-90-5	Aluminum	1340	-		P	100
7440-36-0	Antimony	48.2	B		P	
7440-38-2	Arsenic	5.0	U	W	F	
7440-39-3	Barium	224			P	
7440-41-7	Beryllium	5.0	U		P	
7440-43-9	Cadmium	5.0	U		P	
7440-70-2	Calcium	136000			P	
7440-47-3	Chromium	10.0			A	
7440-48-4	Cobalt	20.0	U		P	
7440-50-8	Copper	9.3	B		P	
7439-89-6	Iron	10900			F	300
7439-92-1	Lead	14.0		N	F	
7439-95-4	Magnesium	44800			P	35,000
7439-96-5	Manganese	1530			P	300
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	20.0	U		P	
7440-09-7	Potassium	35200			P	
7782-49-2	Selenium	5.0	U	WN	F	
7440-22-4	Silver	10.0	U		P	
7440-23-5	Sodium	105000			P	20,000
7440-28-0	Thallium	7.0	U	W	F	
7440-62-2	Vanadium	20.0	U		P	
7440-66-6	Zinc	29.9			P	
	Cyanide				NR	

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

LAB SAMPLE ID: AS011431
 CLIENT_SAMPLE_ID: SH992-0514-A46203

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET *(Surface water)*

SAMPLE #4

EPA SAMPLE NO. 027

A46204

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011432
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0301
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: not dec. _____ Date Analyzed: 05/18/92
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
 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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	0.5	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A46204

Name: RECRA ENVIRON Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514

Matrix: (soil/water) WATER Lab Sample ID: AS011432

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L0301

Level: (low/med) LOW Date Received: 05/15/92

% Moisture: not dec. _____ Date Analyzed: 05/18/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: _____ 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. _____	Aromatic derivative	16.92	55	J
2. _____	Aromatic derivative	23.72	7	J
3. _____	Aromatic derivative	24.39	4	J
4. <u>759-94-4</u>	<u>EPTC</u>	25.06	8	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 041

A46204

Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011432
 Sample wt/vol: 900 (g/mL) ML Lab File ID: 11118Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO.	COMPOUND	UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl) Ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-Di-n-Propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)Methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-Methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethyl Phthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A46204

Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011432
 Sample wt/vol: 900 (g/mL) ML Lab File ID: 11118Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO. COMPOUND Q

51-28-5	2,4-Dinitrophenol	56	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-Methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-Butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)Anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	11	U
117-84-0	Di-n-Octyl Phthalate	11	U
205-99-2	Benzo(b)Fluoranthene	11	U
207-08-9	Benzo(k)Fluoranthene	11	U
50-32-8	Benzo(a)Pyrene	11	U
193-39-5	Indeno(1,2,3-cd)Pyrene	11	U
53-70-3	Dibenz(a,h)Anthracene	11	U
191-24-2	Benzo(g,h,i)Perylene	11	U

045

EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A46204

Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011432
 Sample wt/vol: 900 (g/mL) ML Lab File ID: 11118Z
 Level: (low/med) LOW Date Received: 05/15/92
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/20/92
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/27/92
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

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

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.30	3	J
2. <u>930-68-7</u>	<u>2-Cyclohexen-1-one</u>	5.27	6	BJN
3.	Unknown	7.55	20	BJ
4.	Unknown	8.70	65	J
5.	Unknown	12.02	63	BJ
6.	Unknown Acid	22.95	2	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 78

A46204

Lab Name: RECRA ENVIRON Contract: C002412
 Lab Code: RECNY Case No.: SH992 SAS No.: _____ SDG No.: 0514
 Matrix: (soil/water) WATER Lab Sample ID: AS011432
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 05/15/92
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/20/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/92
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

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

CAS NO. COMPOUND Q

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	0.050	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	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
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46204

Lab Name: RECRA_ENVIRONMENTAL_INC. Contract: C002412

Lab Code: RECNY Case No.: SH992 SAS No.: SDG No.: 0514

Matrix (soil/water): WATER Lab Sample ID: 5550

Level (low/med): LOW Date Received: 05/15/92

% Solids: 0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	86.6	B		P
7440-36-0	Antimony	40.0	U		P
7440-38-2	Arsenic	5.0	U		F
7440-39-3	Barium	54.9	B		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	59400			P
7440-47-3	Chromium	10.0	U		A
7440-48-4	Cobalt	20.0	U		P
7440-50-8	Copper	5.0	B		P
7439-89-6	Iron	643			P
7439-92-1	Lead	15.7		SN	F
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	29.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	20.0	U		P
7440-09-7	Potassium	3020	B		P
7782-49-2	Selenium	5.0	U	N	F
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	21000			P
7440-28-0	Thallium	7.0	U	W	F
7440-62-2	Vanadium	20.0	U		P
7440-66-6	Zinc	10.0	U		P
	Cyanide				NR

STD

300

20,000

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

LAB SAMPLE ID: AS011432
CLIENT SAMPLE ID: SH992-0514-A46204

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

RECEIVED

SEP 15 1995



Michael Zagata
Commissioner

MEMORANDUM

FOIL
Releasable
Non-Releasable

TO: Jaspal Walia, Reg. 9
FROM: Valerie Woodward *for Valerie Woodward*
SUBJECT: Old Land Reclamation, Site No. 915129
DATE: SEP 13 1995

As you know, the central office recently conducted a round of sampling at the Old Land Reclamation Landfill. The purpose of this sampling was to determine if landfill leachate is having any adverse effect on fish and wildlife in Cayuga Creek. Four surface water and sediment samples were taken along Cayuga Creek as shown in the attached field notes. Sample 3 was taken upgradient from the site, below Borden Rd. Samples 4 and 5 were taken adjacent to the landfill, as shown on the map. Leachate seeps were observed at location 4. Sample 6, the downgradient sample, was taken at the bend in the river adjacent to an island, as shown.

I have enclosed a copy of the analytical results for you. There seem to be no major releases of hazardous substances into the creek. We will be resubmitting a classification package in the near future. If you have any questions, please call me or Joe Moloughney at (518).457-9538.

cc: Paul Carella, Div. Fish and Wildlife

M E M O R A N D U M

January 6, 1995

TO: Val Woodward, Division of Hazardous Waste Remediation
FROM: Paul Carella, Division of Fish and Wildlife *PC*
SUBJECT: Old Land Reclamation, Site No. 915129

I have reviewed the Old Land Reclamation Site Phase I and Phase II Investigation Reports. The analytical results of seep and drainage ditch samples indicate that contaminants are escaping from the landfill mass. These contaminants may result in toxic effects to aquatic life in Cayuga Creek if they enter the stream in sufficiently high concentrations.

A single sample has been taken from Cayuga Creek downstream of the site. This does not provide enough information to characterize contaminant levels and to assess possible impacts. In order to better evaluate the stream, I recommend at least four additional surface water and sediment samples. Two should be collected adjacent to the landfill and two from downstream locations.

Please call me at 457-1769 if you have any questions.

cc: Jack Cooper
Steve Sanford
Rich Koeppicus

pc15.mem
fb9.h

Old Land Reclamation #915129

Hot-Hazy 95° 8/1/95
 Drought Year

8:30 Call office was told to call Paul Wise - Lawyer - He could not make site but wants Copy of Results

Sample	Sample will be	LAB
SW-3	-	01
SED-3	-	02
SW 4	-	03
SED 4	-	04
SW 5	-	05
SED 5	-	06
SW 6	-	07
SED 6	-	08

9:00 arrived on site. Drove around to find access.

9:40 try to get access to

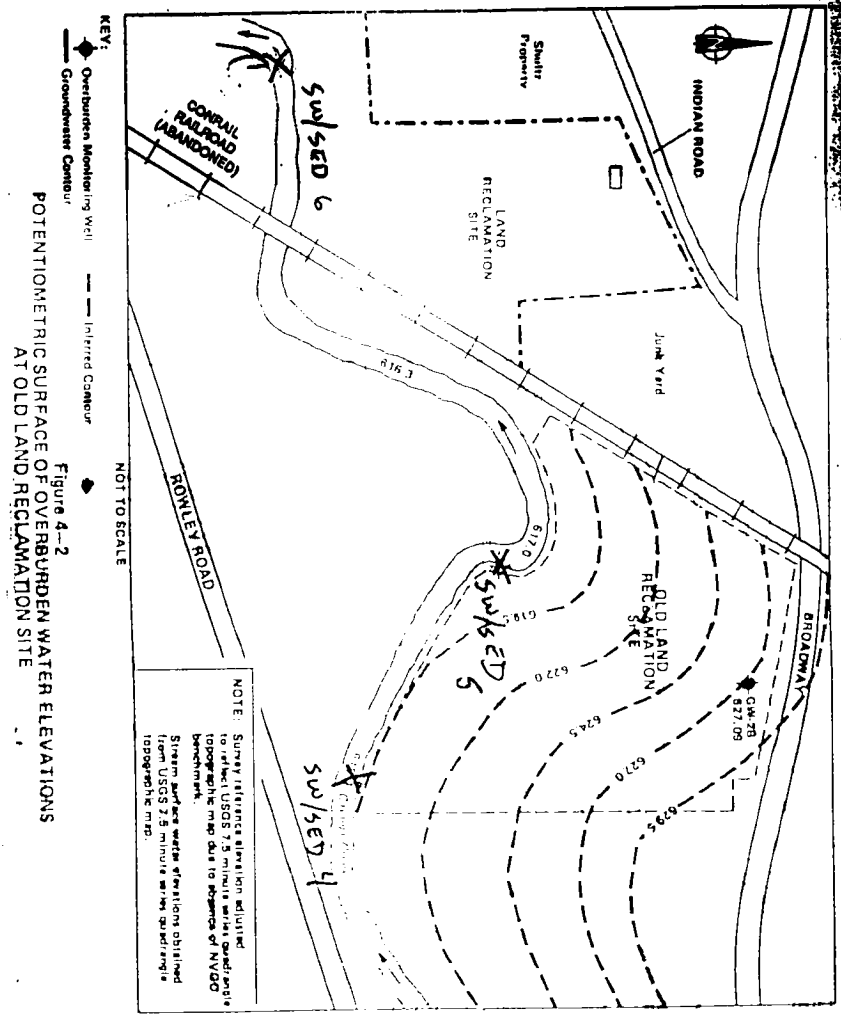


Figure 4-2
 POTENTIOMETRIC SURFACE OF OVERBURDEN WATER ELEVATIONS
 AT OLD LAND RECLAMATION SITE

NOTE: Survey reference elevation adjusted to datum of 1985. All elevations are in feet. Elevation data to reference of NAVD83 datum. Elevation data to reference of NAVD83 datum. Elevation data to reference of NAVD83 datum. Elevation data to reference of NAVD83 datum.

SW/SED 3

to up gradient sample

10:00) - Took SW1 + SED 1
below Treatment plant
near Border Road + Rowley

10:30 Parked by creek off
Rowley Road. Hiked
down creek to sample.

11:15 leave on set of
rollers at location
SW4 - SED 4. Went
down stream

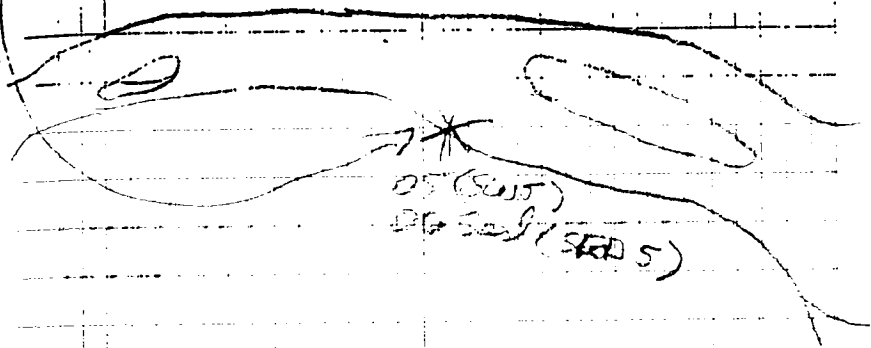
11:25 Taking sample
SW5 - SED 5 at
edge of bend
in River.

* Kids Fishing + Playing
in Water of Creek
evidence of bird path
use of Lard fill

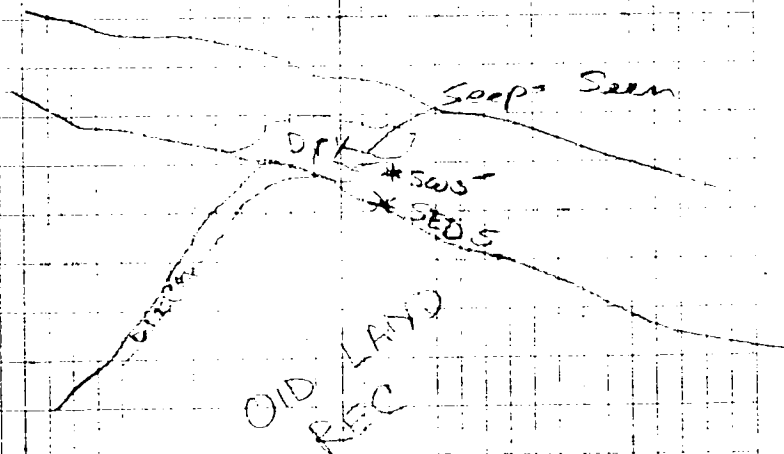
AT OLD LAND RECLAMATION SITE

50

Backwash area with
Island



11:35 Went back to
location for SW4 - SED 4





ecology and environment, inc.

International Specialists in the Environment

ANALYTICAL SERVICES CENTER
4493 Walden Avenue
Lancaster, New York 14086
Tel. (716) 685-8080, Fax: (716) 685-0852

August 30, 1995

LAB NAME: Ecology and Environment, Inc.

CASE NUMBER: SH095

SDG NUMBER: 0801

CONTRACT NUMBER: C003181

SAMPLES IN SDG: B08101 B08102 B08103 B08104
B08105 B08106 B08107 B08108

SDG NARRATIVE:

Enclosed are the analytical results for samples received at the Analytical Services Center on August 1, 1995. The samples were analyzed according to the following method from the NYSDEC Analytical Services Protocol, September 1989, Revision 12/91:

Volatiles	Method 91-1
Semivolatiles	Method 91-2
Pesticide/PCB	Method 91-3
Metals	Method CLP-M
Cyanide	Method CLP-M

No MS/MSD analysis was requested on the CLSIS. Quality control was performed on samples from this SDG for all analyses except TAL metals.

Based on the amount of mass spectral information available, the GC/MS computer is not always able to supply three matches for unknowns.

The "M" flag on the GC/MS instrument generated quantitation report indicates that a manual integration was performed. Manual integration was required due to peak shape.

VOLATILES

Aqueous samples were determined to have pH's of approximately 6 s.u..

Sample B08102 did not meet any of the internal standard area criterion and two of the surrogate compounds did not meet the recovery criterion. The sample was reanalyzed yielding only one internal standard area outside the acceptable range.

Sample B08106 did not meet the internal standard area criteria for chlorobenzene-d5. The sample was reanalyzed yielding similar results.

In both the above cases a matrix effect is suspected.

SEMIVOLATILES

The aqueous method blank spike exceeded the recovery criteria for 4-nitrophenol (87%).

The matrix spike (MS) analysis of soil sample B08106 was slightly extended for 4-nitrophenol and three of the spiking compounds did not meet the recovery criterion. The matrix spike duplicate (MSD) analysis did not meet any of the surrogate or spiking compounds recovery criterion. All recoveries were less than 10%. The MSD visually had a lighter color than the sample and the MS after GPC. A malfunction during GPC is suspected. The associated method blank spike was acceptable. No further action is required.

PESTICIDE/PCB

Sample B08105 required sulfur cleanup procedures.

The MS/MSD analyses of sample B08107 did not meet the current advisory surrogate recovery criteria for tetrachloro-m-xylene. All recoveries were at least 55%. No further action is required.

METALS

All reported soil sodium and aqueous zinc sample results have been flagged "E" based on the serial dilutions.

The final continuing calibration verification standard analyzed at 0750 hours on 8/28/95 did not meet the recovery criteria for copper and silver. No samples from this SDG were affected.

The final continuing calibration verification standard analyzed at 1305 hours on 8/25/95 did not meet the recovery criteria for antimony, cobalt, iron, and silver. The affected serial dilution was reanalyzed.

Sample B08106 was analyzed for selenium by the method of standard addition. The correlation coefficient was below 0.995, but due to an oversight the sample was not reanalyzed.

Case Narrative

NYSDEC

SDG # 0801

Page 3 of 3

CYANIDE

The matrix spike analysis of soil sample B08102 had no recovery. A post digestion spike was analyzed meeting the required quality control criteria. Reported sample results have been flagged accordingly.

I certify that this data 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 hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.



Gary Hahn - Manager
Analytical Services Center
August 30, 1995

cc: Joe Moloughney
Albany

1A
VOLATILE ORG. ACS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08101 ^{sw3}

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30660

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: F2469

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec.

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

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	10	U
74-83-9	Bromomethane	10	UU
75-01-4	Vinyl Chloride	10	UUU
75-00-3	Chloroethane	10	UUUU
75-09-2	Methylene Chloride	10	UUUUU
67-64-1	Acetone	10	UUUUUU
75-15-0	Carbon Disulfide	10	UUUUUUU
75-35-4	1,1-Dichloroethene	10	UUUUUUUU
75-34-3	1,1-Dichloroethane	10	UUUUUUUUU
540-59-0	1,2-Dichloroethene (total)	10	UUUUUUUUUU
67-66-3	Chloroform	10	UUUUUUUUUUU
107-06-2	1,2-Dichloroethane	10	UUUUUUUUUUUU
78-93-3	2-Butanone	10	UUUUUUUUUUUUU
71-55-6	1,1,1-Trichloroethane	10	UUUUUUUUUUUUUU
56-23-5	Carbon Tetrachloride	10	UUUUUUUUUUUUUUU
75-27-4	Bromodichloromethane	10	UUUUUUUUUUUUUUU
78-87-5	1,2-Dichloropropane	10	UUUUUUUUUUUUUUU
10061-01-5	cis-1,3-Dichloropropene	10	UUUUUUUUUUUUUUU
79-01-6	Trichloroethene	10	UUUUUUUUUUUUUUU
124-48-1	Dibromochloromethane	10	UUUUUUUUUUUUUUU
79-00-5	1,1,2-Trichloroethane	10	UUUUUUUUUUUUUUU
71-43-2	Benzene	10	UUUUUUUUUUUUUUU
10061-02-6	trans-1,3-Dichloropropene	10	UUUUUUUUUUUUUUU
75-25-2	Bromoform	10	UUUUUUUUUUUUUUU
108-10-1	4-Methyl-2-Pentanone	10	UUUUUUUUUUUUUUU
591-78-6	2-Hexanone	10	UUUUUUUUUUUUUUU
127-18-4	Tetrachloroethene	10	UUUUUUUUUUUUUUU
79-34-5	1,1,2,2-Tetrachloroethane	10	UUUUUUUUUUUUUUU
108-88-3	Toluene	10	UUUUUUUUUUUUUUU
108-90-7	Chlorobenzene	10	UUUUUUUUUUUUUUU
100-41-4	Ethylbenzene	10	UUUUUUUUUUUUUUU
100-42-5	Styrene	10	UUUUUUUUUUUUUUU
1330-20-7	Xylene (total)	10	UUUUUUUUUUUUUUU

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08101

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30660

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: F2469

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec.

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08102 ^{SED} 3

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30666

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1728

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 55

Date Analyzed: 08/04/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

CAS NO.

COMPOUND

Q

74-87-3	Chloromethane	22	U
74-83-9	Bromomethane	22	UU
75-01-4	Vinyl Chloride	22	UUU
75-00-3	Chloroethane	22	UUUU
75-09-2	Methylene Chloride	22	UUUUU
67-64-1	Acetone	22	UUUUU
75-15-0	Carbon Disulfide	14	UUUUU
75-35-4	1,1-Dichloroethene	22	UUUUU
75-34-3	1,1-Dichloroethane	14	UUUUU
540-59-0	1,2-Dichloroethene (total)	22	UUUUU
67-66-3	Chloroform	22	UUUUU
107-06-2	1,2-Dichloroethane	22	UUUUU
78-93-3	2-Butanone	22	UUUUU
71-55-6	1,1,1-Trichloroethane	6	UUUUU
56-23-5	Carbon Tetrachloride	22	UUUUU
75-27-4	Bromodichloromethane	22	UUUUU
78-87-5	1,2-Dichloropropane	22	UUUUU
10061-01-5	cis-1,3-Dichloropropene	22	UUUUU
79-01-6	Trichloroethene	22	UUUUU
124-48-1	Dibromochloromethane	22	UUUUU
79-00-5	1,1,2-Trichloroethane	22	UUUUU
71-43-2	Benzene	22	UUUUU
10061-02-6	trans-1,3-Dichloropropene	22	UUUUU
75-25-2	Bromoform	22	UUUUU
108-10-1	4-Methyl-2-Pentanone	22	UUUUU
591-78-6	2-Hexanone	22	UUUUU
127-18-4	Tetrachloroethene	97	UUUUU
79-34-5	1,1,2,2-Tetrachloroethane	22	UUUUU
108-88-3	Toluene	87	UUUUU
108-90-7	Chlorobenzene	22	UUUUU
100-41-4	Ethylbenzene	17	UUUUU
100-42-5	Styrene	22	UUUUU
1330-20-7	Xylene (total)	150	UUUUU

FORM I VOA

3/90

1E
VOLATILE ORG. CS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B08102

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30666

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1728

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 55

Date Analyzed: 08/04/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	SESQUITERPENE ISOMER	22.67	570	J
2.	DICHLOROBENZENE ISOMER	23.41	620	J
3.	UNKNOWN HYDROCARBON	24.23	460	J
4.	UNKNOWN HYDROCARBON	26.17	560	J
5. 91-20-3	Naphthalene	26.69	510	JN
6.	UNKNOWN HYDROCARBON	27.38	350	J
7.	UNKNOWN HYDROCARBON	27.78	900	J
8. 91-57-6	2-Methyl-Naphthalene	28.48	1100	JN
9. 90-12-0	1-Methyl-Naphthalene	28.74	640	JN
10.	UNKNOWN HYDROCARBON	29.22	380	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08102RE

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30666RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1769

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 55

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	22	U
74-83-9	Bromomethane	22	U
75-01-4	Vinyl Chloride	22	U
75-00-3	Chloroethane	22	U
75-09-2	Methylene Chloride	8	BU
67-64-1	Acetone	15	J
75-15-0	Carbon Disulfide	22	J
75-35-4	1,1-Dichloroethene	22	J
75-34-3	1,1-Dichloroethane	22	J
540-59-0	1,2-Dichloroethene (total)	22	J
67-66-3	Chloroform	22	J
107-06-2	1,2-Dichloroethane	22	J
78-93-3	2-Butanone	22	J
71-55-6	1,1,1-Trichloroethane	22	J
56-23-5	Carbon Tetrachloride	22	J
75-27-4	Bromodichloromethane	22	J
78-87-5	1,2-Dichloropropane	22	J
10061-01-5	cis-1,3-Dichloropropene	22	J
79-01-6	Trichloroethene	22	J
124-48-1	Dibromochloromethane	22	J
79-00-5	1,1,2-Trichloroethane	22	J
71-43-2	Benzene	22	J
10061-02-6	trans-1,3-Dichloropropene	22	J
75-25-2	Bromoform	22	J
108-10-1	4-Methyl-2-Pentanone	22	J
591-78-6	2-Hexanone	22	J
127-18-4	Tetrachloroethene	13	J
79-24-5	1,1,2,2-Tetrachloroethane	22	J
108-88-3	Toluene	20	J
108-90-7	Chlorobenzene	22	J
100-41-4	Ethylbenzene	22	J
100-42-5	Styrene	22	J
1330-20-7	Xylene (total)	22	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08102RE

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30666RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1769

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 55

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.54	24	J
2.	SESQUITERPENE ISOMER	22.68	88	J
3.	BUTYLBENZENE ISOMER	22.82	34	J
4.	UNKNOWN HYDROCARBON	24.24	19	J
5.	UNKNOWN	25.37	40	J
6.	UNKNOWN	25.51	12	J
7.	UNKNOWN HYDROCARBON	26.19	13	J
8.	UNKNOWN HYDROCARBON	27.81	15	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08103 sub 4

Lab Name: E & E INC. Contract: C003181
 Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) WATER Lab Sample ID: 30661
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F2470
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: not dec. Date Analyzed: 08/08/95
 GC Column: VOCOL ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	UU
75-01-4	Vinyl Chloride	10	UU
75-00-3	Chloroethane	10	UU
75-09-2	Methylene Chloride	10	UUU
67-64-1	Acetone	10	UUU
75-15-0	Carbon Disulfide	10	UUU
75-35-4	1,1-Dichloroethene	10	UUU
75-34-3	1,1-Dichloroethane	10	UUU
540-59-0	1,2-Dichloroethene (total)	10	UUU
67-66-3	Chloroform	10	UUU
107-06-2	1,2-Dichloroethane	10	UUU
78-93-3	2-Butanone	10	UUU
71-55-6	1,1,1-Trichloroethane	10	UUU
56-23-5	Carbon Tetrachloride	10	UUU
75-27-4	Bromodichloromethane	10	UUU
78-87-5	1,2-Dichloropropane	10	UUU
10061-01-5	cis-1,3-Dichloropropene	10	UUU
79-01-6	Trichloroethene	10	UUU
124-48-1	Dibromochloromethane	10	UUU
79-00-5	1,1,2-Trichloroethane	10	UUU
71-43-2	Benzene	10	UUU
10061-02-6	trans-1,3-Dichloropropene	10	UUU
75-25-2	Bromoform	10	UUU
108-10-1	4-Methyl-2-Pentanone	10	UUU
591-78-6	2-Hexanone	10	UUU
127-18-4	Tetrachloroethene	10	UUU
79-34-5	1,1,2,2-Tetrachloroethane	10	UUU
108-88-3	Toluene	10	UUU
108-90-7	Chlorobenzene	10	UUU
100-41-4	Ethylbenzene	10	UUU
100-42-5	Styrene	10	UUU
1330-20-7	Xylene (total)	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08103

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) WATER Lab Sample ID: 30661
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F2470
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: not dec. Date Analyzed: 08/08/95
 GC Column: VOCOL ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08104 SED 4

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30667

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1770

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 33

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	5	BJ
67-64-1	Acetone	12	J
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene (total)	15	U

1E
VOLATILE ORG. CS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08104

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30667

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1770

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 33

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08105 *sws*

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30662

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: F2471

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec.

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-24-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08105

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30662

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: F2471

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec.

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORG. CS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08106 CED⁵

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30668

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1730

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 37

Date Analyzed: 08/04/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	16	U
74-83-9	-----Bromomethane	16	U
75-01-4	-----Vinyl Chloride	16	U
75-00-3	-----Chloroethane	16	U
75-09-2	-----Methylene Chloride	4	J
67-64-1	-----Acetone	19	
75-15-0	-----Carbon Disulfide	16	U
75-35-4	-----1,1-Dichloroethene	16	U
75-34-3	-----1,1-Dichloroethane	16	U
540-59-0	-----1,2-Dichloroethene (total)	16	U
67-66-3	-----Chloroform	16	U
107-06-2	-----1,2-Dichloroethane	16	U
78-93-3	-----2-Butanone	16	U
71-55-6	-----1,1,1-Trichloroethane	16	U
56-23-5	-----Carbon Tetrachloride	16	U
75-27-4	-----Bromodichloromethane	16	U
78-87-5	-----1,2-Dichloropropane	16	U
10061-01-5	-----cis-1,3-Dichloropropene	16	U
79-01-6	-----Trichloroethene	16	U
124-48-1	-----Dibromochloromethane	16	U
79-00-5	-----1,1,2-Trichloroethane	16	U
71-43-2	-----Benzene	16	U
10061-02-6	-----trans-1,3-Dichloropropene	16	U
75-25-2	-----Bromoform	16	U
108-10-1	-----4-Methyl-2-Pentanone	16	U
591-78-6	-----2-Hexanone	16	U
127-18-4	-----Tetrachloroethene	16	U
79-34-5	-----1,1,2,2-Tetrachloroethane	16	U
108-88-3	-----Toluene	2	J
108-90-7	-----Chlorobenzene	16	U
100-41-4	-----Ethylbenzene	16	U
100-42-5	-----Styrene	16	U
1330-20-7	-----Xylene (total)	16	U

1E
VOLATILE ORG. CS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08106

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30668

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1730

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 37

Date Analyzed: 08/04/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-18-3	Dimethyl Sulfide	2.74	22	JN
2.	UNKNOWN HYDROCARBON	21.52	11	J
3.	DICHLOROBENZENE ISOMER	23.41	14	J
4.	UNKNOWN HYDROCARBON	24.25	17	J
5.	UNKNOWN HYDROCARBON	26.18	13	J
6. 91-20-3	Naphthalene	26.70	8	JN
7.	UNKNOWN HYDROCARBON	27.80	8	J
8.	METHYL NAPHTHALENE ISOMER	28.49	14	J
9. 90-12-0	1-Methyl-Naphthalene	28.75	12	JN
10.	UNKNOWN	29.25	8	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08106RE *REV 5*

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30668RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1771

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 37

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	16	U
74-83-9-----	Bromomethane	16	U
75-01-4-----	Vinyl Chloride	16	U
75-00-3-----	Chloroethane	16	U
75-09-2-----	Methylene Chloride	5	BJ
67-64-1-----	Acetone	42	
75-15-0-----	Carbon Disulfide	16	U
75-35-4-----	1,1-Dichloroethene	16	U
75-34-3-----	1,1-Dichloroethane	16	U
540-59-0-----	1,2-Dichloroethene (total)	16	U
67-66-3-----	Chloroform	16	U
107-06-2-----	1,2-Dichloroethane	16	U
78-93-3-----	2-Butanone	13	J
71-55-6-----	1,1,1-Trichloroethane	16	U
56-23-5-----	Carbon Tetrachloride	16	U
75-27-4-----	Bromodichloromethane	16	U
78-87-5-----	1,2-Dichloropropane	16	U
10061-01-5-----	cis-1,3-Dichloropropene	16	U
79-01-6-----	Trichloroethene	16	U
124-48-1-----	Dibromochloromethane	16	U
79-00-5-----	1,1,2-Trichloroethane	16	U
71-43-2-----	Benzene	16	U
10061-02-6-----	trans-1,3-Dichloropropene	16	U
75-25-2-----	Bromoform	16	U
108-10-1-----	4-Methyl-2-Pentanone	16	U
591-78-6-----	2-Hexanone	16	U
127-18-4-----	Tetrachloroethene	16	U
79-34-5-----	1,1,2,2-Tetrachloroethane	16	U
106-88-3-----	Toluene	2	J
108-90-7-----	Chlorobenzene	16	U
100-41-4-----	Ethylbenzene	16	U
100-42-5-----	Styrene	16	U
1330-20-7-----	Xylene (total)	16	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08106RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30668RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1771

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 37

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	29.23	9	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08107 *sub*

Lab Name: E & E INC. Contract: C003181

Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) WATER Lab Sample ID: 30663

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F2472

Level: (low/med) LOW Date Received: 08/01/95

% Moisture: not dec. Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm) Dilution Factor: 1.0

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	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-04-5	-----1,1,2,2-Tetrachloroethane	10	U
106-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08107

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30663

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: F2472

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec.

Date Analyzed: 08/08/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08108 SED6

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30669

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1731

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 42

Date Analyzed: 08/04/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

CAS NO.

COMPOUND

Q

74-87-3	Chloromethane	17	U
74-83-9	Bromomethane	17	UU
75-01-4	Vinyl Chloride	17	UU
75-00-3	Chloroethane	17	UU
75-09-2	Methylene Chloride	17	UU
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	17	UU
75-35-4	1,1-Dichloroethane	17	UU
75-34-3	1,1-Dichloroethane	17	UU
540-59-0	1,2-Dichloroethene (total)	17	UU
67-66-3	Chloroform	17	UU
107-06-2	1,2-Dichloroethane	17	UU
78-93-3	2-Butanone	17	UU
71-55-6	1,1,1-Trichloroethane	17	UU
56-23-5	Carbon Tetrachloride	17	UU
75-27-4	Bromodichloromethane	17	UU
78-87-5	1,2-Dichloropropane	17	UU
10061-01-5	cis-1,3-Dichloropropene	17	UU
79-01-6	Trichloroethene	17	UU
124-48-1	Dibromochloromethane	17	UU
79-00-5	1,1,2-Trichloroethane	17	UU
71-43-2	Benzene	17	UU
10061-02-6	trans-1,3-Dichloropropene	17	UU
75-25-2	Bromoform	17	UU
108-10-1	4-Methyl-2-Pentanone	17	UU
591-78-6	2-Hexanone	17	UU
127-18-4	Tetrachloroethene	17	UU
79-04-5	1,1,2,2-Tetrachloroethane	17	UU
108-88-3	Toluene	17	UU
108-90-7	Chlorobenzene	17	UU
100-41-4	Ethylbenzene	17	UU
100-42-5	Styrene	17	UU
1330-20-7	Xylene (total)	17	UU

FORM I VOA

3/90

1E
 VOLATILE ORG. ICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08108

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30669

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: C1731

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: not dec. 42

Date Analyzed: 08/04/95

GC Column: VOCOL ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08101 sw3

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30660

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0836

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

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

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

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Napthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnapthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronapthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08101 sw3

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) WATER Lab Sample ID: 30660
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: G0836
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: decanted: (Y/N) Date Extracted: 08/02/95
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/95
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 6.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08101

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) WATER Lab Sample ID: 30660

Sample wt/vol: 1000 (g/mL) ML Lab File ID: G0836

Level: (low/med) LOW Date Received: 08/01/95

% Moisture: decanted: (Y/N) Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN KETONE	3.33	4	J
2. 123-42-2	Aldol Condensation Product	4.42	22	ABJN

1B
SEMIVOLATILE OR NICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08102 SED3

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) SOIL Lab Sample ID: 30666

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G0840

Level: (low/med) LOW Date Received: 08/01/95

% Moisture: 55 decanted: (Y/N) N Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	730	U
111-44-4	bis(2-Chloroethyl) Ether	730	U
95-57-8	2-Chlorophenol	730	U
541-73-1	1,3-Dichlorobenzene	730	U
106-46-7	1,4-Dichlorobenzene	730	U
95-50-1	1,2-Dichlorobenzene	730	U
95-48-7	2-Methylphenol	730	U
108-60-1	2,2'-oxybis(1-Chloropropane)	730	U
106-44-5	4-Methylphenol	760	
621-64-7	N-Nitroso-Di-n-Propylamine	730	U
67-72-1	Hexachloroethane	730	U
98-95-3	Nitrobenzene	730	U
78-59-1	Isophorone	730	U
88-75-5	2-Nitrophenol	730	U
105-67-9	2,4-Dimethylphenol	730	U
111-91-1	bis(2-Chloroethoxy)Methane	730	U
120-83-2	2,4-Dichlorophenol	730	U
120-82-1	1,2,4-Trichlorobenzene	730	U
91-20-3	Naphthalene	730	U
106-47-8	4-Chloroaniline	730	U
87-68-3	Hexachlorobutadiene	730	U
59-50-7	4-Chloro-3-Methylphenol	730	U
91-57-6	2-Methylnaphthalene	730	U
77-47-4	Hexachlorocyclopentadiene	730	U
88-06-2	2,4,6-Trichlorophenol	730	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-53-7	2-Chloronaphthalene	730	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	730	U
208-96-8	Acenaphthylene	730	U
606-20-2	2,6-Dinitrotoluene	730	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	730	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08102 *sed 3*

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30666

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0840

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 55 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	730	U
121-14-2-----	2,4-Dinitrotoluene	730	U
84-66-2-----	Diethylphthalate	730	U
7005-72-3-----	4-Chlorophenyl-phenylether	730	U
86-73-7-----	Fluorene	74	J
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	730	U
101-55-3-----	4-Bromophenyl-phenylether	730	U
118-74-1-----	Hexachlorobenzene	730	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	1100	
120-12-7-----	Anthracene	130	J
86-74-8-----	Carbazole	160	J
84-74-2-----	Di-n-Butylphthalate	290	J
206-44-0-----	Fluoranthene	1900	
129-00-0-----	Pyrene	1800	
85-68-7-----	Butylbenzylphthalate	100	J
91-94-1-----	3,3'-Dichlorobenzidine	730	U
56-55-3-----	Benzo(a)Anthracene	820	
218-01-9-----	Chrysene	940	
117-81-7-----	bis(2-Ethylhexyl)Phthalate	790	B
117-84-0-----	Di-n-Octyl Phthalate	94	J
205-99-2-----	Benzo(b)Fluoranthene	1300	
207-08-9-----	Benzo(k)Fluoranthene	610	J
50-32-8-----	Benzo(a)Pyrene	780	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	650	J
53-70-3-----	Dibenz(a,h)Anthracene	220	J
191-24-2-----	Benzo(g,h,i)Perylene	640	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

3/90

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08102

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) SOIL Lab Sample ID: 30666

Sample wt/vol: 30.0 (g/mL) G Lab File ID: G0840

Level: (low/med) LOW Date Received: 08/01/95

% Moisture: 55 decanted: (Y/N) N Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN KETONE	2.75	4100	J
2.	UNKNOWN	4.11	670	J
3.	UNKNOWN HYDROCARBON	4.26	1200	J
4.	UNKNOWN	4.39	2200	J
5. 123-42-2	Aldol Condensation Product	4.98	48000	ABJN
6.	UNKNOWN	6.45	1600	BJ
7.	UNKNOWN	7.28	1100	BJ
8.	UNKNOWN	9.82	3500	J
9.	UNKNOWN CARBOXYLIC ACID	19.40	440	J
10.	UNKNOWN HYDROCARBON	21.26	890	J
11.	UNKNOWN HYDROCARBON	21.34	560	J
12.	NONYLPHENOL ISOMER	21.64	440	J
13.	UNKNOWN	22.19	1300	J
14.	UNKNOWN CARBOXYLIC ACID	22.39	2400	J
15.	UNKNOWN CARBOXYLIC ACID	25.37	28000	J
16.	UNKNOWN CARBOXYLIC ACID	27.41	28000	J
17.	UNKNOWN HYDROCARBON	32.86	3700	J
18.	UNKNOWN HYDROCARBON	34.68	1900	J
19.	UNKNOWN	37.20	2400	J
20.	UNKNOWN	39.65	1600	J
21.	UNKNOWN	41.81	850	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08103 5004

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) WATER Lab Sample ID: 30661

Sample wt/vol: 1000 (g/mL) ML Lab File ID: G0837

Level: (low/med) LOW Date Received: 08/01/95

% Moisture: decanted: (Y/N) Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.4

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

CAS NO. COMPOUND UG/L Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08103 ^{sw4}

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) WATER Lab Sample ID: 30661
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: G0837
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: decanted: (Y/N) Date Extracted: 08/02/95
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/21/95
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 6.4

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

CAS NO. COMPOUND UG/L Q

51-28-5-----2,4-Dinitrophenol	25	U
100-02-7-----4-Nitrophenol	25	UU
132-64-9-----Dibenzofuran	10	UUU
121-14-2-----2,4-Dinitrotoluene	10	UUUU
84-66-2-----Diethylphthalate	10	UUUUU
7005-72-3-----4-Chlorophenyl-phenylether	10	UUUUUU
86-73-7-----Fluorene	10	UUUUUUU
100-01-6-----4-Nitroaniline	25	UUUUUUU
534-52-1-----4,6-Dinitro-2-methylphenol	25	UUUUUUU
86-30-6-----N-Nitrosodiphenylamine (1)	10	UUUUUUU
101-55-3-----4-Bromophenyl-phenylether	10	UUUUUUU
118-74-1-----Hexachlorobenzene	10	UUUUUUU
87-86-5-----Pentachlorophenol	25	UUUUUUU
85-01-8-----Phenanthrene	10	UUUUUUU
120-12-7-----Anthracene	10	UUUUUUU
86-74-8-----Carbazole	10	UUUUUUU
84-74-2-----Di-n-Butylphthalate	10	UUUUUUU
206-44-0-----Fluoranthene	10	UUUUUUU
129-00-0-----Pyrene	10	UUUUUUU
85-68-7-----Butylbenzylphthalate	10	UUUUUUU
91-94-1-----3,3'-Dichlorobenzidine	10	UUUUUUU
56-55-3-----Benzo(a)Anthracene	10	UUUUUUU
218-01-9-----Chrysene	10	UUUUUUU
117-81-7-----bis(2-Ethylhexyl)Phthalate	10	UUUUUUU
117-84-0-----Di-n-Octyl Phthalate	10	UUUUUUU
205-99-2-----Benzo(b)Fluoranthene	10	UUUUUUU
207-08-9-----Benzo(k)Fluoranthene	10	UUUUUUU
50-32-8-----Benzo(a)Pyrene	10	UUUUUUU
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	UUUUUUU
53-70-3-----Dibenz(a,h)Anthracene	10	UUUUUUU
191-24-2-----Benzo(g,h,i)Perylene	10	UUUUUUU

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08103

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30661

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0837

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol Condensation Product	4.42	23	ABJN
2.	UNKNOWN	27.21	4	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08104

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30667

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0841

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 33 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

108-95-2-----Phenol	490	U
111-44-4-----bis(2-Chloroethyl)Ether	490	UU
95-57-8-----2-Chlorophenol	490	UUU
541-73-1-----1,3-Dichlorobenzene	490	UUUU
106-46-7-----1,4-Dichlorobenzene	490	UUUU
95-50-1-----1,2-Dichlorobenzene	490	UUUU
95-48-7-----2-Methylphenol	490	UUUU
108-60-1-----2,2'-oxybis(1-Chloropropane)	490	UUUU
106-44-5-----4-Methylphenol	490	UUUU
621-64-7-----N-Nitroso-Di-n-Propylamine	490	UUUU
67-72-1-----Hexachloroethane	490	UUUU
98-95-3-----Nitrobenzene	490	UUUU
78-59-1-----Isophorone	490	UUUU
88-75-5-----2-Nitrophenol	490	UUUU
105-67-9-----2,4-Dimethylphenol	490	UUUU
111-91-1-----bis(2-Chloroethoxy)Methane	490	UUUU
120-83-2-----2,4-Dichlorophenol	490	UUUU
120-82-1-----1,2,4-Trichlorobenzene	490	UUUU
91-20-3-----Naphthalene	490	UUUU
106-47-8-----4-Chloroaniline	490	UUUU
87-68-3-----Hexachlorobutadiene	490	UUUU
59-50-7-----4-Chloro-3-Methylphenol	490	UUUU
91-57-6-----2-Methylnaphthalene	490	UUUU
77-47-4-----Hexachlorocyclopentadiene	490	UUUU
88-06-2-----2,4,6-Trichlorophenol	490	UUUU
95-95-4-----2,4,5-Trichlorophenol	1200	UUUU
91-58-7-----2-Chloronaphthalene	490	UUUU
88-74-4-----2-Nitroaniline	1200	UUUU
131-11-3-----Dimethylphthalate	490	UUUU
208-96-8-----Acenaphthylene	490	UUUU
606-20-2-----2,6-Dinitrotoluene	490	UUUU
99-09-2-----3-Nitroaniline	1200	UUUU
83-32-9-----Acenaphthene	490	UUUU

FORM I SV-1

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08104 sed⁴

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) SOIL Lab Sample ID: 30667
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: G0841
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: 33 decanted: (Y/N) N Date Extracted: 08/02/95
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/21/95
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.3

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

CAS NO. COMPOUND UG/KG Q

51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	UU
132-64-9	Dibenzofuran	490	UU
121-14-2	2,4-Dinitrotoluene	490	UU
84-66-2	Diethylphthalate	490	UU
7005-72-3	4-Chlorophenyl-phenylether	490	UU
86-73-7	Fluorene	490	UU
100-01-6	4-Nitroaniline	1200	UU
534-52-1	4,6-Dinitro-2-methylphenol	1200	UU
86-30-6	N-Nitrosodiphenylamine (1)	490	UU
101-55-3	4-Bromophenyl-phenylether	490	UU
118-74-1	Hexachlorobenzene	490	UU
87-86-5	Pentachlorophenol	1200	UU
85-01-8	Phenanthrene	91	J
120-12-7	Anthracene	490	U
86-74-8	Carbazole	490	U
84-74-2	Di-n-Butylphthalate	120	J
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	100	J
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)Anthracene	490	U
218-01-9	Chrysene	74	J
117-81-7	bis(2-Ethylhexyl)Phthalate	130	BJ
117-84-0	Di-n-Octyl Phthalate	490	U
205-99-2	Benzo(b)Fluoranthene	84	J
207-08-9	Benzo(k)Fluoranthene	51	J
50-32-8	Benzo(a)Pyrene	53	J
193-39-5	Indeno(1,2,3-cd)Pyrene	490	UU
53-70-3	Dibenz(a,h)Anthracene	490	UU
191-24-2	Benzo(g,h,i)Perylene	490	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08104

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30667

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0841

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 33 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol Condensation Product	4.86	23000	ABJN
2.	UNKNOWN	6.38	620	BJ
3.	UNKNOWN	6.77	450	J
4.	UNKNOWN	7.24	650	BJ
5.	UNKNOWN	7.72	320	J
6.	OCTYLPHENOL ISOMER	18.49	250	J
7.	UNKNOWN CARBOXYLIC ACID	27.32	350	J
8.	UNKNOWN	30.26	300	J
9.	UNKNOWN OXYGENATED HYDROCARB	32.26	170	J
10.	UNKNOWN HYDROCARBON	32.85	1300	J
11.	UNKNOWN	32.99	670	J
12.	UNKNOWN HYDROCARBON	34.66	1400	J
13.	UNKNOWN OXYGENATED HYDROCARB	34.81	570	J
14.	UNKNOWN OXYGENATED HYDROCARB	35.95	450	J
15.	UNKNOWN	36.30	520	J
16.	UNKNOWN	36.45	850	J
17.	UNKNOWN HYDROCARBON	37.19	600	J
18.	UNKNOWN HYDROCARBON	38.65	420	J
19.	UNKNOWN	39.74	1400	J
20.	UNKNOWN	40.39	400	J
21.	UNKNOWN	41.76	470	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08105 sws

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30662

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0838

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	10	U
111-44-4-----bis(2-Chloroethyl) Ether	10	UU
95-57-8-----2-Chlorophenol	10	UU
541-73-1-----1,3-Dichlorobenzene	10	UU
106-46-7-----1,4-Dichlorobenzene	10	UU
95-50-1-----1,2-Dichlorobenzene	10	UU
95-48-7-----2-Methylphenol	10	UU
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	UU
106-44-5-----4-Methylphenol	10	UU
621-64-7-----N-Nitroso-Di-n-Propylamine	10	UU
67-72-1-----Hexachloroethane	10	UU
98-95-3-----Nitrobenzene	10	UU
78-59-1-----Isophorone	10	UU
88-75-5-----2-Nitrophenol	10	UU
105-67-9-----2,4-Dimethylphenol	10	UU
111-91-1-----bis(2-Chloroethoxy)Methane	10	UU
120-83-2-----2,4-Dichlorophenol	10	UU
120-82-1-----1,2,4-Trichlorobenzene	10	UU
91-20-3-----Naphthalene	10	UU
106-47-8-----4-Chloroaniline	10	UU
87-68-3-----Hexachlorobutadiene	10	UU
59-50-7-----4-Chloro-3-Methylphenol	10	UU
91-57-6-----2-Methylnaphthalene	10	UU
77-47-4-----Hexachlorocyclopentadiene	10	UU
88-06-2-----2,4,6-Trichlorophenol	10	UU
95-95-4-----2,4,5-Trichlorophenol	25	UU
91-58-7-----2-Chloronaphthalene	10	UU
88-74-4-----2-Nitroaniline	25	UU
131-11-3-----Dimethylphthalate	10	UU
208-96-8-----Acenaphthylene	10	UU
606-20-2-----2,6-Dinitrotoluene	10	UU
99-09-2-----3-Nitroaniline	25	UU
83-32-9-----Acenaphthene	10	U

FORM I SV-1

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08105 *sws*

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30662

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0838

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.4

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	25	U
100-02-7-----4-Nitrophenol	25	U
132-64-9-----Dibenzofuran	10	U
121-14-2-----2,4-Dinitrotoluene	10	U
84-66-2-----Diethylphthalate	10	U
7005-72-3-----4-Chlorophenyl-phenylether	10	U
86-73-7-----Fluorene	10	U
100-01-6-----4-Nitroaniline	25	U
534-52-1-----4,6-Dinitro-2-methylphenol	25	U
86-30-6-----N-Nitrosodiphenylamine (1)	10	U
101-55-3-----4-Bromophenyl-phenylether	10	U
118-74-1-----Hexachlorobenzene	10	U
87-86-5-----Pentachlorophenol	25	U
85-01-8-----Phenanthrene	10	U
120-12-7-----Anthracene	10	U
86-74-8-----Carbazole	10	U
84-74-2-----Di-n-Butylphthalate	10	U
206-44-0-----Fluoranthene	10	U
129-00-0-----Pyrene	10	U
85-68-7-----Butylbenzylphthalate	10	U
91-94-1-----3,3'-Dichlorobenzidine	10	U
56-55-3-----Benzo(a)Anthracene	10	U
218-01-9-----Chrysene	10	U
117-81-7-----bis(2-Ethylhexyl)Phthalate	10	U
117-84-0-----Di-n-Octyl Phthalate	10	U
205-99-2-----Benzo(b)Fluoranthene	10	U
207-08-9-----Benzo(k)Fluoranthene	10	U
50-32-8-----Benzo(a)Pyrene	10	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	U
53-70-3-----Dibenz(a,h)Anthracene	10	U
191-24-2-----Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08105

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30662

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0838

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol Condensation Product	4.42	16	ABJN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08106 SED 5

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) SOIL Lab Sample ID: 30668
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: G0842
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: 37 decanted: (Y/N) N Date Extracted: 08/02/95
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/21/95
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.3

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

CAS NO.	COMPOUND	CONCENTRATION	UNITS
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl) Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	320	J
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	94	J

FORM I SV-1

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08106 ^{SEP}5

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30668

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0842

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 37 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1300	U
100-02-7-----	4-Nitrophenol	1300	U
132-64-9-----	Dibenzofuran	69	J
121-14-2-----	2,4-Dinitrotoluene	520	U
84-66-2-----	Diethylphthalate	520	U
7005-72-3-----	4-Chlorophenyl-phenylether	520	U
86-73-7-----	Fluorene	120	J
100-01-6-----	4-Nitroaniline	1300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	520	U
101-55-3-----	4-Bromophenyl-phenylether	520	U
118-74-1-----	Hexachlorobenzene	520	U
87-86-5-----	Pentachlorophenol	1300	U
85-01-8-----	Phenanthrene	1500	U
120-12-7-----	Anthracene	220	J
86-74-8-----	Carbazole	170	J
84-74-2-----	Di-n-Butylphthalate	520	U
206-44-0-----	Fluoranthene	1700	U
129-00-0-----	Pyrene	1700	U
85-68-7-----	Butylbenzylphthalate	66	J
91-94-1-----	3,3'-Dichlorobenzidine	520	U
56-55-3-----	Benzo(a)Anthracene	820	U
218-01-9-----	Chrysene	810	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	370	BJ
117-84-0-----	Di-n-Octyl Phthalate	520	U
205-99-2-----	Benzo(b)Fluoranthene	920	U
207-08-9-----	Benzo(k)Fluoranthene	380	J
50-32-8-----	Benzo(a)Pyrene	600	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	430	J
53-70-3-----	Dibenz(a,h)Anthracene	170	J
191-24-2-----	Benzo(g,h,i)Perylene	400	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08106 *skdS*

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix: (soil/water) SOIL Lab Sample ID: 30668
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: G0842
 Level: (low/med) LOW Date Received: 08/01/95
 % Moisture: 37 decanted: (Y/N) N Date Extracted: 08/02/95
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 08/21/95
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.3

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN KETONE	2.74	2900	J
2.	UNKNOWN	4.10	690	J
3.	UNKNOWN	4.31	2100	J
4. 123-42-2	Aldol Condensation Product	4.90	29000	ANBJ
5.	UNKNOWN HYDROCARBON	5.14	630	J
6.	UNKNOWN	5.39	370	J
7.	UNKNOWN	6.42	930	BJ
8.	UNKNOWN	7.29	1300	BJ
9.	UNKNOWN	9.76	1200	J
10.	UNKNOWN CARBOXYLIC ACID	14.23	240	J
11.	UNKNOWN CARBOXYLIC ACID	19.40	450	J
12.	UNKNOWN HYDROCARBON	21.26	450	J
13.	OCTYLPHENOL ISOMER	22.19	580	J
14.	UNKNOWN CARBOXYLIC ACID	22.38	1600	J
15.	UNKNOWN CARBOXYLIC ACID	25.26	16000	J
16.	UNKNOWN OXYGENATED PAH	27.39	4000	J
17.	UNKNOWN HYDROCARBON	32.86	1600	J
18.	UNKNOWN HYDROCARBON	34.68	930	J
19.	UNKNOWN	36.83	740	J
20.	UNKNOWN	37.19	1800	J
21.	UNKNOWN OXYGENATED HYDROCARB	39.64	790	J

1B
SEMIVOLATILE OR NICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08107 sub

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30663

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0839

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

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

CAS NO.

COMPOUND

Q

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	UU
95-57-8	2-Chlorophenol	10	UUU
541-73-1	1,3-Dichlorobenzene	10	UUUU
106-46-7	1,4-Dichlorobenzene	10	UUUUU
95-50-1	1,2-Dichlorobenzene	10	UUUUUU
95-48-7	2-Methylphenol	10	UUUUUUU
108-60-1	2,2'-oxybis(1-Chloropropane)	10	UUUUUUUU
106-44-5	4-Methylphenol	10	UUUUUUUUU
621-64-7	N-Nitroso-Di-n-Propylamine	10	UUUUUUUUUU
67-72-1	Hexachloroethane	10	UUUUUUUUUUU
98-95-3	Nitrobenzene	10	UUUUUUUUUUUU
78-59-1	Isophorone	10	UUUUUUUUUUUUU
88-75-5	2-Nitrophenol	10	UUUUUUUUUUUUUU
105-67-9	2,4-Dimethylphenol	10	UUUUUUUUUUUUUUU
111-91-1	bis(2-Chloroethoxy)Methane	10	UUUUUUUUUUUUUUUU
120-83-2	2,4-Dichlorophenol	10	UUUUUUUUUUUUUUUUU
120-82-1	1,2,4-Trichlorobenzene	10	UUUUUUUUUUUUUUUUUU
91-20-3	Naphthalene	10	UUUUUUUUUUUUUUUUUUU
106-47-8	4-Chloroaniline	10	UUUUUUUUUUUUUUUUUUUU
87-68-3	Hexachlorobutadiene	10	UUUUUUUUUUUUUUUUUUUUU
59-50-7	4-Chloro-3-Methylphenol	10	UUUUUUUUUUUUUUUUUUUUUU
91-57-6	2-Methylnaphthalene	10	UUUUUUUUUUUUUUUUUUUUUUU
77-47-4	Hexachlorocyclopentadiene	10	UUUUUUUUUUUUUUUUUUUUUUUU
88-06-2	2,4,6-Trichlorophenol	10	UUUUUUUUUUUUUUUUUUUUUUUUU
95-95-4	2,4,5-Trichlorophenol	25	UUUUUUUUUUUUUUUUUUUUUUUUUU
91-58-7	2-Chloronaphthalene	10	UUUUUUUUUUUUUUUUUUUUUUUUUUU
88-74-4	2-Nitroaniline	25	UUUUUUUUUUUUUUUUUUUUUUUUUUU
131-11-3	Dimethylphthalate	10	UUUUUUUUUUUUUUUUUUUUUUUUUUU
208-96-8	Acenaphthylene	10	UUUUUUUUUUUUUUUUUUUUUUUUUUU
606-20-2	2,6-Dinitrotoluene	10	UUUUUUUUUUUUUUUUUUUUUUUUUUU
99-09-2	3-Nitroaniline	25	UUUUUUUUUUUUUUUUUUUUUUUUUUU
83-32-9	Acenaphthene	10	UUUUUUUUUUUUUUUUUUUUUUUUUUU

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08107 *2/1/96*

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30663

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0839

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	25	U
100-02-7-----4-Nitrophenol	25	UU
132-64-9-----Dibenzofuran	10	UUU
121-14-2-----2,4-Dinitrotoluene	10	UUUU
84-66-2-----Diethylphthalate	10	UUUUU
7005-72-3-----4-Chlorophenyl-phenylether	10	UUUUUU
86-73-7-----Fluorene	10	UUUUUUU
100-01-6-----4-Nitroaniline	25	UUUUUUU
534-52-1-----4,6-Dinitro-2-methylphenol	25	UUUUUUU
86-30-6-----N-Nitrosodiphenylamine (1)	10	UUUUUUU
101-55-3-----4-Bromophenyl-phenylether	10	UUUUUUU
118-74-1-----Hexachlorobenzene	10	UUUUUUU
87-86-5-----Pentachlorophenol	25	UUUUUUU
85-01-8-----Phenanthrene	10	UUUUUUU
120-12-7-----Anthracene	10	UUUUUUU
86-74-8-----Carbazole	10	UUUUUUU
84-74-2-----Di-n-Butylphthalate	10	UUUUUUU
206-44-0-----Fluoranthene	10	UUUUUUU
129-00-0-----Pyrene	10	UUUUUUU
85-68-7-----Butylbenzylphthalate	10	UUUUUUU
91-94-1-----3,3'-Dichlorobenzidine	10	UUUUUUU
56-55-3-----Benzo(a)Anthracene	10	UUUUUUU
218-01-9-----Chrysene	10	UUUUUUU
117-81-7-----bis(2-Ethylhexyl)Phthalate	10	UUUUUUU
117-84-0-----Di-n-Octyl Phthalate	10	UUUUUUU
205-99-2-----Benzo(b)Fluoranthene	10	UUUUUUU
207-08-9-----Benzo(k)Fluoranthene	10	UUUUUUU
50-32-8-----Benzo(a)Pyrene	10	UUUUUUU
193-39-5-----Indeno(1,2,3-cd)Pyrene	10	UUUUUUU
53-70-3-----Dibenz(a,h)Anthracene	10	UUUUUUU
191-24-2-----Benzo(g,h,i)Perylene	10	UUUUUUU

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08107

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30663

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: G0839

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: decanted: (Y/N)

Date Extracted: 08/02/95

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/21/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol Condensation Product	4.43	22	ABJN
2.	UNKNOWN CARBOXYLIC ACID	24.85	3	J
3.	UNKNOWN	34.10	16	J

1B
SEMIVOLATILE OF NICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08108 55D6

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30669

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0850

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 42 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/24/95

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	570	U
111-44-4-----	bis(2-Chloroethyl)Ether	570	U
95-57-8-----	2-Chlorophenol	570	U
541-73-1-----	1,3-Dichlorobenzene	570	U
106-46-7-----	1,4-Dichlorobenzene	570	U
95-50-1-----	1,2-Dichlorobenzene	570	U
95-48-7-----	2-Methylphenol	570	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	570	U
106-44-5-----	4-Methylphenol	570	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	570	U
67-72-1-----	Hexachloroethane	570	U
98-95-3-----	Nitrobenzene	570	U
78-59-1-----	Isophorone	570	U
88-75-5-----	2-Nitrophenol	570	U
105-67-9-----	2,4-Dimethylphenol	570	U
111-91-1-----	bis(2-Chloroethoxy)Methane	570	U
120-83-2-----	2,4-Dichlorophenol	570	U
120-82-1-----	1,2,4-Trichlorobenzene	570	U
91-20-3-----	Naphthalene	570	U
106-47-8-----	4-Chloroaniline	570	U
87-68-3-----	Hexachlorobutadiene	570	U
59-50-7-----	4-Chloro-3-Methylphenol	570	U
91-57-6-----	2-Methylnaphthalene	570	U
77-47-4-----	Hexachlorocyclopentadiene	570	U
88-06-2-----	2,4,6-Trichlorophenol	570	U
95-95-4-----	2,4,5-Trichlorophenol	1400	U
91-58-7-----	2-Chloronaphthalene	570	U
88-74-4-----	2-Nitroaniline	1400	U
131-11-3-----	Dimethylphthalate	570	U
208-96-8-----	Acenaphthylene	570	U
606-20-2-----	2,6-Dinitrotoluene	570	U
99-09-2-----	3-Nitroaniline	1400	U
83-32-9-----	Acenaphthene	570	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

B08108 SED⁶

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30669

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0850

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 42 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/24/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1400	U
100-02-7-----	4-Nitrophenol	1400	U
132-64-9-----	Dibenzofuran	570	U
121-14-2-----	2,4-Dinitrotoluene	570	U
84-66-2-----	Diethylphthalate	570	U
7005-72-3-----	4-Chlorophenyl-phenylether	570	U
86-73-7-----	Fluorene	570	U
100-01-6-----	4-Nitroaniline	1400	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1400	U
86-30-6-----	N-Nitrosodiphenylamine (1)	570	U
101-55-3-----	4-Bromophenyl-phenylether	570	U
118-74-1-----	Hexachlorobenzene	570	U
87-86-5-----	Pentachlorophenol	1400	U
85-01-8-----	Phenanthrene	570	U
120-12-7-----	Anthracene	570	U
86-74-8-----	Carbazole	570	U
84-74-2-----	Di-n-Butylphthalate	110	J
206-44-0-----	Fluoranthene	570	U
129-00-0-----	Pyrene	570	U
85-68-7-----	Butylbenzylphthalate	570	U
91-94-1-----	3,3'-Dichlorobenzidine	570	U
56-55-3-----	Benzo(a)Anthracene	570	U
218-01-9-----	Chrysene	570	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	150	BU
117-84-0-----	Di-n-Octyl Phthalate	570	U
205-99-2-----	Benzo(b)Fluoranthene	73	J
207-08-9-----	Benzo(k)Fluoranthene	570	U
50-32-8-----	Benzo(a)Pyrene	570	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	570	U
53-70-3-----	Dibenz(a,h)Anthracene	570	U
191-24-2-----	Benzo(g,h,i)Perylene	570	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

3/90

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

B08108

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30669

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: G0850

Level: (low/med) LOW

Date Received: 08/01/95

% Moisture: 42 decanted: (Y/N) N

Date Extracted: 08/02/95

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/24/95

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol Condensation Product	4.61	43000	ABJN
2.	UNKNOWN	6.26	1000	J
3.	UNKNOWN	6.68	200	J
4.	UNKNOWN	7.16	690	J
5.	UNKNOWN	7.63	260	J
6.	UNKNOWN	8.81	230	J
7.	UNKNOWN HYDROCARBON	9.66	1100	J
8.	OCTYL PHENOL ISOMER	18.44	200	J
9.	UNKNOWN HYDROCARBON	21.21	200	J
10.	UNKNOWN	21.86	170	J
11.	UNKNOWN	26.25	370	J
12.	UNKNOWN	29.81	290	J
13.	UNKNOWN HYDROCARBON	32.80	490	J
14.	UNKNOWN	33.09	200	J
15.	UNKNOWN	33.62	690	J
16.	UNKNOWN HYDROCARBON	34.61	490	J
17.	UNKNOWN HYDROCARBON	36.39	290	J
18.	UNKNOWN HYDROCARBON	37.09	230	J
19.	UNKNOWN	39.53	430	J
20.	UNKNOWN	41.53	520	J
21.	UNKNOWN	43.34	1300	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08101 3

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30660

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 08/03/95

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 08/15/95

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.5

Sulfur Cleanup: (Y/N) N

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

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	0.10	P
959-98-8	Endosulfan I	0.050	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	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	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08102 SED3

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30666

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 55 decanted: (Y/N) N

Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 08/02/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/16/95

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y

pH: 6.3

Sulfur Cleanup: (Y/N) N

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

319-84-6	alpha-BHC	3.8	U
319-85-7	beta-BHC	3.8	U
319-86-8	delta-BHC	3.8	U
58-89-9	gamma-BHC (Lindane)	3.8	U
76-44-8	Heptachlor	3.8	U
309-00-2	Aldrin	3.8	U
1024-57-3	Heptachlor epoxide	7.2	P
959-98-8	Endosulfan I	3.8	U
60-57-1	Dieldrin	7.3	U
72-55-9	4,4'-DDE	7.3	U
72-20-8	Endrin	7.3	U
33213-65-9	Endosulfan II	7.3	U
72-54-8	4,4'-DDD	7.3	U
1031-07-8	Endosulfan sulfate	7.3	U
50-29-3	4,4'-DDT	7.3	U
72-43-5	Methoxychlor	38	U
53494-70-5	Endrin ketone	7.3	U
7421-93-4	Endrin aldehyde	7.3	U
5103-71-9	alpha-Chlordane	3.8	U
5103-74-2	gamma-Chlordane	3.8	U
8001-35-2	Toxaphene	380	U
12674-11-2	Aroclor-1016	73	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	73	U
53469-21-9	Aroclor-1242	73	U
12672-29-6	Aroclor-1248	73	U
11097-69-1	Aroclor-1254	73	U
11096-82-5	Aroclor-1260	73	U

1D
PESTICIDE ORGANIS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08103 5004

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30661

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 08/03/95

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 08/15/95

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 6.4

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

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	0.050	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	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	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08104 ^{SED 4}

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) SOIL Lab Sample ID: 30667

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 33 decanted: (Y/N) N Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/02/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/16/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	3.1	P
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.9	U
72-55-9	4,4'-DDE	4.9	U
72-20-8	Endrin	4.9	U
33213-65-9	Endosulfan II	4.9	U
72-54-8	4,4'-DDD	4.9	U
1031-07-8	Endosulfan sulfate	4.9	U
50-29-3	4,4'-DDT	4.9	U
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	4.9	U
7421-93-4	Endrin aldehyde	4.9	U
5103-71-9	alpha-Chlordane	2.5	U
5103-74-2	gamma-Chlordane	2.5	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	49	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	49	U
53469-21-9	Aroclor-1242	49	U
12672-29-6	Aroclor-1248	49	U
11097-69-1	Aroclor-1254	49	U
11096-82-5	Aroclor-1260	49	U

1D
PESTICIDE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08105 *sw5*

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) WATER

Lab Sample ID: 30662

Sample wt/vol: 1000 (g/mL) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 08/03/95

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 08/16/95

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.4

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

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	0.050	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	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	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORG. ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08106 *SSDE*

Lab Name: E & E INC.

Contract: C003181

Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30668

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 37 decanted: (Y/N) N

Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 08/02/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/16/95

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.3

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	11	P
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.2	U
7421-93-4	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08107 *gwb*

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix: (soil/water) WATER Lab Sample ID: 30663

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/03/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/15/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.4 Sulfur Cleanup: (Y/N) N

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

CAS NO. COMPOUND Q

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	0.050	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	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	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B08108 *5276*

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH095

SAS No.:

SDG No.: 0801

Matrix: (soil/water) SOIL

Lab Sample ID: 30669

Sample wt/vol: 30.0 (g/mL) G

Lab File ID:

% Moisture: 42 decanted: (Y/N) N

Date Received: 08/01/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 08/02/95

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/16/95

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.3

Sulfur Cleanup: (Y/N) N

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

CAS NO. COMPOUND Q

319-84-6-----	alpha-BHC	2.9	U
319-85-7-----	beta-BHC	2.9	U
319-86-8-----	delta-BHC	2.9	U
58-89-9-----	gamma-BHC (Lindane)	2.9	U
76-44-8-----	Heptachlor	2.9	U
309-00-2-----	Aldrin	2.9	U
1024-57-3-----	Heptachlor epoxide	2.9	U
959-98-8-----	Endosulfan I	2.9	U
60-57-1-----	Dieldrin	5.7	U
72-55-9-----	4,4'-DDE	5.7	U
72-20-8-----	Endrin	5.7	U
33213-65-9-----	Endosulfan II	5.7	U
72-54-8-----	4,4'-DDD	5.7	U
1031-07-8-----	Endosulfan sulfate	5.7	U
50-29-3-----	4,4'-DDT	5.7	U
72-43-5-----	Methoxychlor	29	U
53494-70-5-----	Endrin ketone	5.7	U
7421-93-4-----	Endrin aldehyde	5.7	U
5103-71-9-----	alpha-Chlordane	2.9	U
5103-74-2-----	gamma-Chlordane	2.9	U
8001-35-2-----	Toxaphene	290	U
12674-11-2-----	Aroclor-1016	57	U
11104-28-2-----	Aroclor-1221	120	U
11141-16-5-----	Aroclor-1232	57	U
53469-21-9-----	Aroclor-1242	57	U
12672-29-6-----	Aroclor-1248	57	U
11097-69-1-----	Aroclor-1254	57	U
11096-82-5-----	Aroclor-1260	57	U

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08101 503

Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix (soil/water): WATER Lab Sample ID: 30660

Level (low/med): LOW Date Received: 08/01/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	146	B		P
7440-36-0	Antimony	52.5	U		P
7440-38-2	Arsenic	2.0	U	W	F
7440-39-3	Barium	45.4	B		P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	2.8	U		P
7440-70-2	Calcium	45500			P
7440-47-3	Chromium	5.7	U		P
7440-48-4	Cobalt	4.3	U		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron	195			P
7439-92-1	Lead	5.8			F
7439-95-4	Magnesium	9530			P
7439-96-5	Manganese	71.6			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.7	B		P
7440-09-7	Potassium	3970	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	8.3	U		P
7440-23-5	Sodium	31300		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	3.3	U		P
7440-66-6	Zinc	5.8	B		P
	Cyanide	10.0	U		AS

Color Before: CL Clarity Before: C Texture:

Color After: CL Clarity After: C Artifacts:

Comments:

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08102 SED3

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix (soil/water): SOIL Lab Sample ID: 30666
 Level (low/med): LOW Date Received: 08/01/95
 % Solids: 44.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6810			P
7440-36-0	Antimony	23.4	U		P
7440-38-2	Arsenic	8.0			P
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	77300			P
7440-47-3	Chromium	22.3			P
7440-48-4	Cobalt	12.6	B		P
7440-50-8	Copper	89.1			P
7439-89-6	Iron	19700			P
7439-92-1	Lead	118			P
7439-95-4	Magnesium	12400			P
7439-96-5	Manganese	1370			P
7439-97-6	Mercury	0.22	U		CV
7440-02-0	Nickel	30.0			P
7440-09-7	Potassium	908	B		P
7782-49-2	Selenium	1.4	B	W	F
7440-22-4	Silver	3.7	U		P
7440-23-5	Sodium	299	B		P
7440-28-0	Thallium	0.89	U		F
7440-62-2	Vanadium	10.5	B		P
7440-66-6	Zinc	256		E	P
	Cyanide	1.1	U	N	AS

Color Before: Clarity Before: Texture: GRANUL
 Color After: Y Clarity After: C Artifacts:
 Comments:

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08103 sw4

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix (soil/water): WATER Lab Sample ID: 30661

Level (low/med): LOW Date Received: 08/01/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	168	B		P
7440-36-0	Antimony	52.5	U		P
7440-38-2	Arsenic	2.0	U	W	F
7440-39-3	Barium	48.4	B		P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	2.8	U		P
7440-70-2	Calcium	49800			P
7440-47-3	Chromium	5.7	U		P
7440-48-4	Cobalt	4.3	U		P
7440-50-8	Copper	3.6	B		P
7439-89-6	Iron	409			P
7439-92-1	Lead	2.0	B		F
7439-95-4	Magnesium	11100			P
7439-96-5	Manganese	160			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	22.5	B		P
7440-09-7	Potassium	5450			P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	8.3	U		P
7440-23-5	Sodium	37800		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	3.3	U		P
7440-66-6	Zinc	9.2	B		P
	Cyanide	10.0	U		AS

Color Before: CL Clarity Before: C Texture: _____

Color After: CL Clarity After: C Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08104 ⁵⁴ 4

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix (soil/water): SOIL Lab Sample ID: 30667
 Level (low/med): LOW Date Received: 08/01/95
 % Solids: 66.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3430			P
7440-36-0	Antimony	15.7	U		P
7440-38-2	Arsenic	4.1			P
7440-39-3	Barium	50.8	B		P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.84	U		P
7440-70-2	Calcium	22000			P
7440-47-3	Chromium	5.7			P
7440-48-4	Cobalt	5.5	B		P
7440-50-8	Copper	17.5			P
7439-89-6	Iron	12300			P
7439-92-1	Lead	76.6			P
7439-95-4	Magnesium	4100			P
7439-96-5	Manganese	238			P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	20.6			P
7440-09-7	Potassium	515	B		P
7782-49-2	Selenium	1.0	B	W	F
7440-22-4	Silver	2.5	U		P
7440-23-5	Sodium	75.3	U		P
7440-28-0	Thallium	0.60	U		F
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	64.2		E	P
	Cyanide	0.75	U	N	AS

Color Before: Clarity Before: Texture: GRANUL
 Color After: Y Clarity After: C Artifacts:

Comments:

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08105 *505*

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix (soil/water): WATER Lab Sample ID: 30662

Level (low/med): LOW Date Received: 08/01/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	179	B		P
7440-36-0	Antimony	52.5	U		P
7440-38-2	Arsenic	2.2	B	W	F
7440-39-3	Barium	47.1	B		P
7440-41-7	Beryllium	0.80	B		P
7440-43-9	Cadmium	2.8	U		P
7440-70-2	Calcium	44100			P
7440-47-3	Chromium	8.1	B		P
7440-48-4	Cobalt	4.3	U		P
7440-50-8	Copper	4.6	B		P
7439-89-6	Iron	328			P
7439-92-1	Lead	1.8	B		F
7439-95-4	Magnesium	9200			P
7439-96-5	Manganese	90.5			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.2	U		P
7440-09-7	Potassium	4210	B		P
7782-49-2	Selenium	3.0	U		F
7440-22-4	Silver	8.3	U		P
7440-23-5	Sodium	30800		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	3.8	B		P
7440-66-6	Zinc	8.2	B		P
	Cyanide	10.0	U		AS

Color Before: CL Clarity Before: C Texture: _____

Color After: CL Clarity After: C Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08106 *SDS*

Name: ECOLOGY AND ENVIRONMENT Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix (soil/water): SOIL Lab Sample ID: 30668
 Level (low/med): LOW Date Received: 08/01/95
 % Solids: 62.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3760	-		P
7440-36-0	Antimony	16.7	U		P
7440-38-2	Arsenic	5.3			P
7440-39-3	Barium	43.8	B		P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.89	U		P
7440-70-2	Calcium	34500			P
7440-47-3	Chromium	4.5			P
7440-48-4	Cobalt	6.7	B		P
7440-50-8	Copper	26.9			P
7439-89-6	Iron	16300			P
7439-92-1	Lead	101			P
7439-95-4	Magnesium	6870			P
7439-96-5	Manganese	414			P
7439-97-6	Mercury	0.16	U		CV
7440-02-0	Nickel	17.7			P
7440-09-7	Potassium	556	B		P
7782-49-2	Selenium	0.95	U	+	F
7440-22-4	Silver	2.6	U		P
7440-23-5	Sodium	80.1	U		P
7440-28-0	Thallium	0.64	U		F
7440-62-2	Vanadium	5.2	B		P
7440-66-6	Zinc	109		E	P
	Cyanide	0.79	U	N	AS

Color Before: Clarity Before: Texture: CLAY
 Color After: Y Clarity After: C Artifacts:

Comments:

1
INORGANIC ANALYSES DATA SHEET

DEC SAMPLE NO.

B08107 *swb*

Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801

Matrix (soil/water): WATER Lab Sample ID: 30663

Level (low/med): LOW Date Received: 08/01/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	215	-		P
7440-36-0	Antimony	52.5	U		P
7440-38-2	Arsenic	2.0	U	W	F
7440-39-3	Barium	54.3	B		P
7440-41-7	Beryllium	0.59	B		P
7440-43-9	Cadmium	2.8	U		P
7440-70-2	Calcium	49200			P
7440-47-3	Chromium	6.3	B		P
7440-48-4	Cobalt	4.3	U		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	443			P
7439-92-1	Lead	1.7	B		F
7439-95-4	Magnesium	9840			P
7439-96-5	Manganese	92.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.3	B		P
7440-09-7	Potassium	4610	B		P
7782-49-2	Selenium	4.0	B	W	F
7440-22-4	Silver	8.3	U		P
7440-23-5	Sodium	32000		E	P
7440-28-0	Thallium	2.0	U	W	F
7440-62-2	Vanadium	3.3	U		P
7440-66-6	Zinc	6.0	B		P
	Cyanide	10.0	U		AS

Color Before: CL Clarity Before: C Texture: _____

Color After: CL Clarity After: C Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

B08108 ⁵⁴⁷⁶

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181
 Lab Code: EANDE Case No.: SH095 SAS No.: SDG No.: 0801
 Matrix (soil/water): SOIL Lab Sample ID: 30669
 Level (low/med): LOW Date Received: 08/01/95
 % Solids: 57.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6700	-		P
7440-36-0	Antimony	18.2	U		P
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	56.5	B		P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	0.97	U		P
7440-70-2	Calcium	10700	-		P
7440-47-3	Chromium	4.8	-		P
7440-48-4	Cobalt	10	B		P
7440-50-8	Copper	19.1	-		P
7439-89-6	Iron	13700	-		P
7439-92-1	Lead	19.2	-		P
7439-95-4	Magnesium	4710	-		P
7439-96-5	Manganese	246	-		P
7439-97-6	Mercury	0.17	U		CV
7440-02-0	Nickel	23.5	-		P
7440-09-7	Potassium	644	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	2.9	U		P
7440-23-5	Sodium	87.5	U		P
7440-28-0	Thallium	0.69	U		P
7440-62-2	Vanadium	11.0	B		P
7440-66-6	Zinc	66.8		E	P
	Cyanide	0.87	U	N	AS

Color Before: _____ Clarity Before: _____ Texture: CLAY
 Color After: Y _____ Clarity After: C _____ Artifacts: _____
 Comments: _____

TO: Martin Doster
FROM: Jaspal S. Walia
SUBJECT: Old Land Reclamation # 915129
DATE: May 6, 1999

FOIL
 Releasable
 Non-Releasable

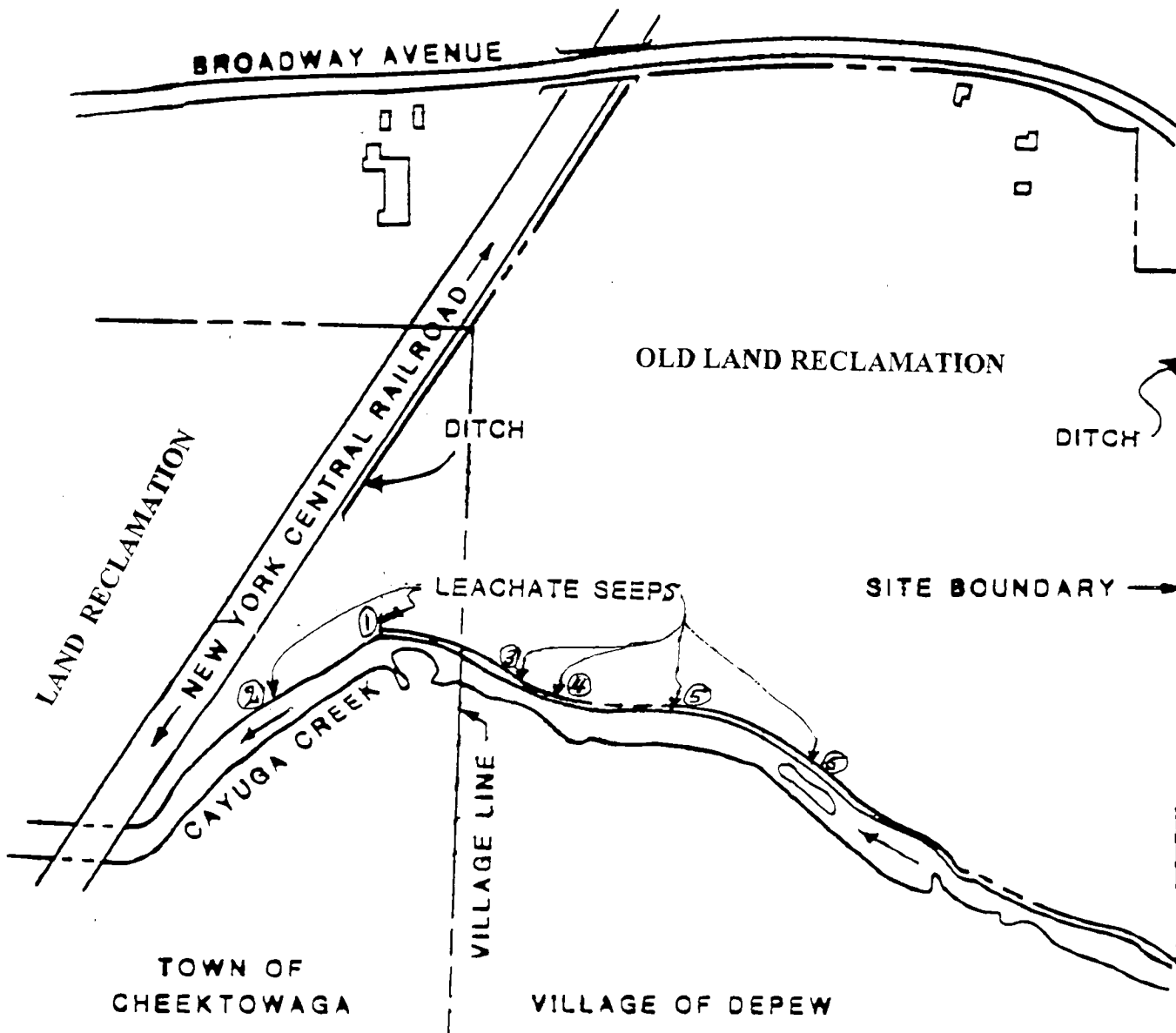
On February 1, 1999, David Zymanski and the writer walked over the southern portion of the Old Land Reclamation site and along the northern bank of Cayuga Creek to observe any seeps flowing from the landfill into the creek. It was easy to observe seeps along the creek bank as the area was covered with snow except along the creek bank. Six rusty colored seeps were seen. Only seeps #1 and #2, closer to the Railroad tracks (see attached Fig.) were major and had significant flow (approximately 0.25 - 0.50 gallons/minute) to collect leachate samples. It appears that both these seeps are the same which were identified during Phase I Investigation. Leachate samples from these two seeps were collected and submitted to Severn Trent Laboratories to be analyzed for SVOCs, metals and cyanide.

Analytical Results:

The test results of leachate samples from both seeps did not show any SVOCs (PAHs, Phenols, Pesticides, PCBs, etc.) above the detection limits. As shown in the following table, surface water standards were exceeded for aluminum, iron, manganese, selenium, ^{Zinc} and cyanide.

Leachate Samples			
Parameters	Concentrations (ppb)		NYS Surface Water Standards (ppb)
	Seep # 1	Seep # 2	
Aluminum	1170	-	100
Barium	280	-	1000
Iron	15,700	8,180	300
Lead	6.4	-	8.6
Manganese	2930	1290	300
Selenium	18.7	5.8	4.6
Zinc	59.3	-	30
Cyanide	-	35.5	5.2

A copy of the laboratory data is attached. Based upon these results, it does not appear that these seeps are having any significant impact on the creek at this time.



OLD LAND RECLAMATION
SEEPS SAMPLING - FEBRUARY 1999



Committed To Your Success

April 5, 1999

Mr. John Ryan
NYSDEC
50 Wolf Road, Room 305
Albany, NY 12233

RE: Analytical Results

Dear Mr. Ryan:

Please find enclosed analytical results concerning the samples recently submitted by your agency. The pertinent information regarding these analyses is listed below:

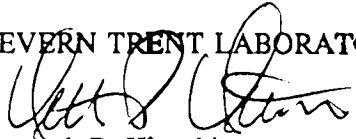
Case #: SH998
SDG #: 0201
Matrix: Water

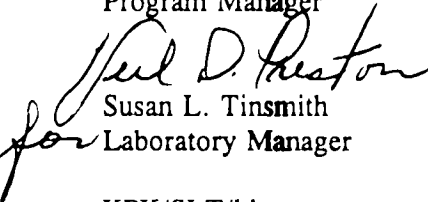
Samples Received: 02/02/99
Sample Date: 02/01/99

If you have any questions concerning these data, please contact Mr. Kenneth P. Kinecki, Program Manager, at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide the New York State Department of Environmental Conservation with environmental testing services. We look forward to serving you in the future.

Sincerely,

SEVERN TRENT LABORATORIES, INC.


Kenneth P. Kinecki
Program Manager


Susan L. Tinsmith
Laboratory Manager

KPK/SLT/ltb
Enclosure: Diskette
cc: Dave Szymanski - Region 9

I.D. #A99-0496
#NY7A7260-9

This report contains 899 pages which are individually numbered

Laboratory Locations:

- Monroe, CT
- Pensacola, FL
- University Park, IL
- Billerica, MA
- Westfield, MA
- Edison, NJ
- Whippany, NJ
- Newburgh, NY
- Houston, TX

Service Center Locations:

- Mt. Laurel, NJ
- Glen Cove, NY
- Dallas, TX

Sales Office Locations:

- Cantonment, FL
- New Orleans, LA
- Waterford, MI
- Blairstown, NJ
- Schenectady, NY
- Cleveland, OH

a part of

OLD LAND RECLAMATION

RECEIVED JSW

APR 07 1999

NYSDEC - REG. 9
FOIL
REL UNREL

Severn Trent Laboratories
10 Hazelwood Drive
Amherst, NY 14228

Tel: (716) 691-2600
Fax: (716) 691-7991
www.stl-inc.com

{ OLD LAND RECLAMATION
(915124)
SEEP SAMPLES }

SDG NARRATIVE

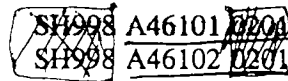
Laboratory Name: Severn Trent Laboratories, Inc.

Laboratory Code: STL Buffalo

Case Number: SH998

SDG Number: 0201

Sample Identifications:

METHODOLOGY

Analyses were performed in accordance with the 1995 New York State Analytical Services protocol.

COMMENTS

Comments pertain to data on one or all pages of this report.

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

SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Finnigan Autoquantitation and Rebra LabNet's Analytical Information Management Systems (AIMS®) software. All compounds determined to be present by the computer generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Samples A46102 MS, A46102 MSD, and the MSBLANK yielded spike recoveries for 4-Nitrophenol which were above quality control limits.

PESTICIDES/AROCLORS DATA

Sample A46101 yielded recoveries for surrogates TCX1 (Tetrachloro-m-xylene), TCX2, DCB1 (Decachlorobiphenyl), and DCB2 which were outside of quality control limits.




METALS DATA

Sample identifications have been abbreviated due to the character limitations of the software.

The Cyanide log pages are computer generated. The beginning and end quality control samples such as Method Blanks appear several times on the log but are analyzed once. The form 14s (Run logs) display them correctly.

No deviations from the protocol were encountered during the analysis.

"I certify that this data 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 Manager or her designee, as verified by the following signature."


Susan L. Tinsmith
Laboratory Manager

Date

4/5/99

This data report shall not be reproduced, except in full, without the written authorization of Severn Trent, Inc.

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

7A7260-9/11
Part 3

CAUTION (check if applicable)

Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- 2. 13PP Metals
- 3. Volatiles—(USEPA 624 GC/MS)
- 4. Acids Base/Neutrals (USEPA 624 GC/MS)
- 5. Cyanide
- 6. Pesticides/PCBs (USEPA 608-GC)
- 7. Halogenated Volatiles (USEPA 601 GC)
- 8. Aromatic Volatiles USEPA 602 GC)
- 9. BOD
- 10. pH
- 11. COD
- 12. TSS
- 13. Settleable Solids
- 14. TKN
- 15. Ammonia
- 16. Nitrate/Nitrite
- 17. Total Phosphorus
- 18. Reactive Phosphorus
- 19. Oil/Grease)
- 20. TOC
- 21. Total Phenols
- 22. Other
- 59. PCBs at 0.065 ug/l
- 60. PCBs using method (ASP-91-11)
- 62. CBOD
- 64. Total Solids
- 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- 23 (ALL)—Water—Includes 24-28
- 24 Base/Neutra/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
- 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
- 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
- 27 Metals—23 in Water
- 28 Cyanide—Water
- 29 (ALL)—Soil/Sediments—Includes 30-34
- 30 (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
- 31 VOA—Soil/Sediments—GC/MS (ASP #95-1)
- 32 Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
- 33 Metals—23 in Soil/Sediments)
- 34 Cyanide—Soil/Sediments)
- 66 Dioxin-Water (ASP #91-7)
- 67 Dioxin-Soil/Sediments (ASP #91-7)
- 35 Other

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- 36. EP Toxicity
- 37. EP Toxicity (Metals Only)
- 38. Ignitability
- 39. Corrosivity
- 40. VOA—(USEPA 8260 GC/MS)
- 41. BNA—(USEPA 8270 GC/MS)
- 42. Pesticides/PCBs (USEPA 8081)
- 43. TCLP
- 44. TCLP (Metals Only)
- 45. Reactivity
- 46. Dioxin (USEPA 8280)
- 47. Appendix IX
- 48. Other
- 63 Percent Solids
- 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- 56. RS-01
- 57. RS-02
- 58. Other

COLLECTED BY:

J. S. Wania

TELEPHONE NUMBER:

(716) 851-7220

REGION NO.:

9

CONTRACT LABORATORY:

SUNCOAST TRINT (1300A)

COUNTY:

ERIE

SAMPLING DATE:

12/01/99

MILITARY TIME:

1440 hrs

SAMPLE MATRIX:

- Air
- Soil/Sediment
- Groundwater
- Surface Water
- Wastewater
- Other

CASE NO.

5141918

SDG NO.

041911

SAMPLE NO.

A4162101

CHECK FOR MS/MD

This sample

TYPE OF SAMPLE

Grab Composite Term hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked

Check if field duplicate Outfall Number

Check if sampling is part of inspection

FLOW: GPD MGD

SPDES NUMBER/REGISTRY NUMBER

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- 2. 13PP Metals
- 3. Volatiles—(USEPA 624 GC/MS)
- 4. Acids Base/Neutrals (USEPA 624 GC/MS)
- 5. Cyanide
- 6. Pesticides/PCBs (USEPA 608-GC)
- 7. Halogenated Volatiles (USEPA 601 GC)
- 8. Aromatic Volatiles USEPA 602 GC)
- 9. BOD
- 10. pH
- 11. COD
- 12. TSS
- 13. Settleable Solids
- 14. TKN
- 15. Ammonia
- 16. Nitrate/Nitrite
- 17. Total Phosphorus
- 18. Reactive Phosphorus
- 19. Oil/Grease)
- 20. TOC
- 21. Total Phenols
- 22. Other
- 59. PCBs at 0.065 ug/l
- 60. PCBs congener method (ASP 91-11)
- 62. CBOD
- 64. Total Solids
- 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- 23. (ALL)—Water—Includes 24-28
- 24. Base/Neutra/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
- 25. Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
- 26. Pesticides/PCBs—Water—GC/MS (ASP #95-3)
- 27. Metals—23 in Water
- 28. Cyanide—Water
- 29. (ALL)—Soil/Sediments—Includes 30-34
- 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
- 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
- 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
- 33. Metals—23 in Soil/Sediments)
- 34. Cyanide—Soil/Sediments)
- 66. Dioxin—Water (ASP #91-7)
- 67. Dioxin—Soil/Sediments (ASP #91-7)
- 35 Other *No MS/MSD*

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- 36. EP Toxicity
- 37. EP Toxicity (Metals Only)
- 38. Ignitability
- 39. Corrosivity
- 40. VOA—(USEPA 8260 GC/MS)
- 41. BNA—(USEPA 8270 GC/MS)
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- 47. Appendix IX
- 48. Other
- 63 Percent Solids
- 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- 56. RS-01
- 57. RS-02
- 58. Other

COLLECTED BY:

D. Szymanski / S.S. WALIA - NYSDEC DGR

TELEPHONE NUMBER:

716 851 7274

REGION NO.:

9

CONTRACT LABORATORY:

SEWER TRINT (REURA)

COUNTY:

ERIC

SAMPLING DATE:

02/01/99

MILITARY TIME:

1450 hrs

SAMPLE MATRIX:

- Air
- Soil/Sediment
- Groundwater
- Surface Water
- Wastewater
- Other

CASE NO.

SH 9191802011

SDG NO.

11

SAMPLE NO.

A14612102

CHECK FOR MS/MD

This sample

TYPE OF SAMPLE

Grab Composite Term hours

Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Report via Category B, unless checked

Check if field duplicate Outfall Number

Check if sampling is part of Inspection

FLOW: GPD MGD

SPDES NUMBER/REGISTRY NUMBER

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000012

Seep #1
A46101

Client No.

Name: STL Buffalo

Contract: C003783

Lab Code: RECN Case No.: SH998 SAS No.: _____ SDG No.: 0201

Matrix: (soil/water) WATER Lab Sample ID: A9049601

Sample wt/vol: 900.00 (g/mL) ML Lab File ID: Z26737.RR

Level: (low/med) LOW Date Samp/Recv: 02/01/99 02/02/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/10/99

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)	<u>UG/L</u>	<u>Q</u>
108-95-2	Phenol		11	U
111-44-4	Bis(2-chloroethyl) ether		11	U
95-57-8	2-Chlorophenol		11	U
541-73-1	1,3-Dichlorobenzene		11	U
106-46-7	1,4-Dichlorobenzene		11	U
91-50-1	1,2-Dichlorobenzene		11	U
95-48-7	2-Methylphenol		11	U
108-60-1	2,2'-Oxybis(1-Chloropropane)		11	U
106-44-5	4-Methylphenol		11	U
621-64-7	N-Nitroso-Di-n-propylamine		11	U
67-72-1	Hexachloroethane		11	U
98-95-3	Nitrobenzene		11	U
78-59-1	Isophorone		11	U
88-75-5	2-Nitrophenol		11	U
105-67-9	2,4-Dimethylphenol		11	U
111-91-1	Bis(2-chloroethoxy) methane		11	U
120-83-2	2,4-Dichlorophenol		11	U
120-82-1	1,2,4-Trichlorobenzene		11	U
91-20-3	Naphthalene		11	U
106-47-8	4-Chloroaniline		11	U
87-68-3	Hexachlorobutadiene		11	U
59-50-7	4-Chloro-3-methylphenol		11	U
91-57-6	2-Methylnaphthalene		11	U
77-47-4	Hexachlorocyclopentadiene		11	U
88-06-2	2,4,6-Trichlorophenol		11	U
95-95-4	2,4,5-Trichlorophenol		28	U
91-58-7	2-Chloronaphthalene		11	U
88-74-4	2-Nitroaniline		28	U
131-11-3	Dimethyl phthalate		11	U
208-96-8	Acenaphthylene		11	U
61-20-2	2,6-Dinitrotoluene		11	U
99-09-2	3-Nitroaniline		28	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000013

Client No.

A46101

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECNY

Case No.: SH998

SAS No.: _____

SDG No.: 0201

Matrix: (soil/water) WATER

Lab Sample ID: A9049601

Sample wt/vol: 900.00 (g/mL) ML

Lab File ID: Z26737.RR

Level: (low/med) LOW

Date Samp/Recv: 02/01/99 02/02/99

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

Date Extracted: 02/04/99

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 02/10/99

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	11	U
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
86-66-2	Diethyl phthalate	11	U
7005-72-3	4-Chlorophenyl phenyl ether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl phenyl ether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butyl phthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butyl benzyl phthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	Bis(2-ethylhexyl) phthalate	11	U
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
570-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(ghi)perylene	11	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000014

Client No.

A46101

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECNY Case No.: SH998 SAS No.: _____ SDG No.: 0201

Matrix: (soil/water) WATER Lab Sample ID: A9049601

Sample wt/vol: 900.00 (g/mL) ML Lab File ID: Z26737.RR

Level: (low/med) LOW Date Samp/Recv: 02/01/99 02/02/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/10/99

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

Number TICs found: 3

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	14.91	3	J
	UNKNOWN	19.13	6	J
	UNKNOWN	25.83	5	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

000018
EPA SAMPLE NO.

A46101

Job Name: STL BUFFALO Contract: C003783
 Lab Code: RECNY Case No.: SH998 SAS No.: _____ SDG No.: 0201
 Matrix: (soil/water) WATER Lab Sample ID: A9049601
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 02/02/99
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/06/99
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/08/99
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 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	0.050	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	0.050	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	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	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

000021

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: RECRA_LABNET_INC. _____ Contract: C003783 _____

Seep #1
101

Lab Code: RECNY_ Case No.: SH998 SAS No.: _____ SDG No.: 0201_

Matrix (soil/water): WATER Lab Sample ID: AD902220

Level (low/med): LOW_ Date Received: 02/02/99

% Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1170			P
7440-36-0	Antimony	10.5	B		P
7440-38-2	Arsenic	5.0	U		P
7440-39-3	Barium	280			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	154000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	9.2	B		P
7439-89-6	Iron	15700			P
7439-92-1	Lead	6.4			P
7439-95-4	Magnesium	43500			P
7439-96-5	Manganese	2930			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	9840		E	P
7782-49-2	Selenium	18.7			P
7440-22-4	Silver	2.1	U		P
7440-23-5	Sodium	142000			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	44.9	B		P
7440-66-6	Zinc	59.3			P
	Cyanide	10.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

LAB_SAMPLE_ID: A9049601-CGA02178 _____

CLIENT_SAMPLE_ID: A46101 _____

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000015

Seep # 2 Client No.

A46102

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECNY

Case No.: SH998

SAS No.: _____

SDG No.: 0201

Matrix: (soil/water) WATER

Lab Sample ID: A9049602

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z26738.RR

Level: (low/med) LOW

Date Samp/Recv: 02/01/99 02/02/99

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

Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 02/10/99

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

108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
90-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
62-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U

ASP 95 - SEMIVOLATILE
ANALYSIS DATA SHEET

000016

Client No.

A46102

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECN Case No.: SH998 SAS No.: _____ SDG No.: 0201

Matrix: (soil/water) WATER Lab Sample ID: A9049602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z26738.RR

Level: (low/med) LOW Date Samp/Recv: 02/01/99 02/02/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/10/99

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

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

CAS NO. COMPOUND UG/L Q

CAS NO.	COMPOUND	UG/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
85-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
5070-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(ghi)perylene	10	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000017

Client No.

A46102

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECNY Case No.: SH998 SAS No.: _____ SDG No.: 0201

Matrix: (soil/water) WATER Lab Sample ID: A9049602

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z26738.RR

Level: (low/med) LOW Date Samp/Recv: 02/01/99 02/02/99

% Moisture: _____ decanted: (Y/N) N Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/10/99

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

Number TICs found: 20

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	14.91	4	J
2.	UNKNOWN	19.10	2	J
3.	UNKNOWN	25.60	4	J
4.	UNKNOWN	25.65	5	J
5.	UNKNOWN	25.71	4	J
6.	UNKNOWN	25.76	3	J
7.	UNKNOWN	28.15	5	J
8.	UNKNOWN	28.28	6	J
9.	UNKNOWN	28.58	7	J
10.	UNKNOWN	30.78	6	J
11.	UNKNOWN	30.90	10	J
12.	UNKNOWN	31.00	4	J
13.	UNKNOWN	31.30	3	J
14.	UNKNOWN	33.28	3	J
15.	UNKNOWN	33.38	4	J
16.	UNKNOWN	35.48	7	J
17.	UNKNOWN	35.58	9	J
18.	UNKNOWN	35.68	6	J
19.	UNKNOWN	38.15	3	J
20.	UNKNOWN	38.33	3	J

000019

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A46102

Lab Name: STL BUFFALO Contract: C003783

Lab Code: RECNY Case No.: SH998 SAS No.: _____ SDG No.: 0201

Matrix: (soil/water) WATER Lab Sample ID: A9049602

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 02/02/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/06/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/08/99

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

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

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	0.050	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	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	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

000022

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

Seep # 2
102

Lab Name: RECRA_LABNET_INC. _____ Contract: C003783 _____

Lab Code: RECNY_ Case No.: SH998 SAS No.: _____ SDG No.: 0201 _____

Matrix (soil/water): WATER Lab Sample ID: AD902221

Level (low/med): LOW Date Received: 02/02/99

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	170	B		P
7440-36-0	Antimony	7.0	U		P
7440-38-2	Arsenic	5.0	U		P
7440-39-3	Barium	146	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	142000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.8	B		P
7439-89-6	Iron	8180			P
7439-92-1	Lead	2.5	B		P
7439-95-4	Magnesium	39800			P
7439-96-5	Manganese	1290			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	6400		E	P
7782-49-2	Selenium	5.8			P
7440-22-4	Silver	2.1	U		P
7440-23-5	Sodium	292000			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	18.5	B		P
7440-66-6	Zinc	9.2	B		P
	Cyanide	35.5			C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

LAB SAMPLE ID: A9049602-CGA02178 _____

CLIENT SAMPLE ID: A46102 _____

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000031

SVOCs - Blank

Client No.

SBLK52

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECN

Case No.: SH998

SAS No.: _____

SDG No.: 0201

Matrix: (soil/water) WATER

Lab Sample ID: A9B0097202

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z26736.RR

Level: (low/med) LOW

Date Samp/Recv: _____

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

Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 02/10/99

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

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

108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
91-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
61-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000032

Client No.

Blank

SBLK52

Lab Name: STL Buffalo

Contract: C003783

Lab Code: RECN

Case No.: SH998

SAS No.: _____

SDG No.: 0201

Matrix: (soil/water) WATER

Lab Sample ID: A9B0097202

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: Z26736.RR

Level: (low/med) LOW

Date Samp/Recv: _____

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

Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 02/10/99

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

Q

CAS NO.

COMPOUND

CAS NO.	COMPOUND	UG/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
170-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(ghi)perylene	10	U

000033

ASP 95 - SEMIVOLATILE
TENTATIVELY IDENTIFIED COMPOUNDS

Blank Client No.

SBLK52

Name: STL Buffalo Contract: C003783

Lab Code: RECN Case No.: SH998 SAS No.: _____ SDG No.: 0201

Matrix: (soil/water) WATER Lab Sample ID: A9B0097202

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z26736.RR

Level: (low/med) LOW Date Samp/Recv: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/10/99

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

000035
EPA SAMPLE NO.

Pesticides Blank
PBLK05

Name: STL BUFFALO Contract: C003783
 Lab Code: RECNY Case No.: SH998 SAS No.: _____ SDG No.: 0201
 Matrix: (soil/water) WATER Lab Sample ID: A9B0105902
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Received: _____
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/06/99
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/08/99
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 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	0.050	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	0.050	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	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	0.10	U
5103-71-9	-----alpha-Chlordane	0.050	U
5103-74-2	-----gamma-Chlordane	0.050	U
8001-35-2	-----Toxaphene	5.0	U
12674-11-2	-----Aroclor-1016	1.0	U
11104-28-2	-----Aroclor-1221	2.0	U
11141-16-5	-----Aroclor-1232	1.0	U
53469-21-9	-----Aroclor-1242	1.0	U
12672-29-6	-----Aroclor-1248	1.0	U
11097-69-1	-----Aroclor-1254	1.0	U
11096-82-5	-----Aroclor-1260	1.0	U

NYSDEC ASP

3
BLANKSBlank

Lab Name: RECRA_LABNET_INC. _____ Contract: C003783 _____

Lab Code: RECNY_ Case No.: SH998 SAS No.: _____ SDG No.: 0201_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	-40.4	B	33.8	B	-49.8	B	28.1	B	20.00	U	P
Antimony	7.0	U	7.0	U	7.0	U	7.0	U	7.00	U	P
Arsenic	5.0	U	5.0	U	5.0	U	5.0	U	-5.19	B	P
Barium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.50	U	P
Calcium	103.0	B	128.2	B	34.8	B	23.5	B	12.00	U	P
Chromium	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Cobalt	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Copper	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Iron	30.0	U	37.1	B	30.0	U	30.0	U	30.00	U	P
Lead	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Magnesium	-20.8	B	63.0	B	-26.2	B	48.0	B	18.00	U	P
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	1.00	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.20	U	CV
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	-1.17	B	P
Potassium	-1433.1	B	-1082.0	B	-1347.1	B	-1376.8	B	-1289.57	B	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.00	U	P
Silver	2.1	U	2.1	U	2.1	U	2.1	U	2.10	U	P
Sodium	510.0	U	510.0	U	510.0	U	510.0	U	510.00	U	P
Thallium	6.0	U	6.0	U	6.0	U	6.0	U	6.00	U	P
Vanadium	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Zinc	2.0	U	2.0	U	2.0	U	2.0	U	2.00	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	10.00	U	C

ORGANIC DATA COMMENT PAGE

Laboratory Name: SEVERN TRENT LABORATORIES INC.

USEPA Defined Organic Data Qualifiers:

- U - Indicates compound was analyzed for but not detected.
- J - Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate 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 GC/MS instrument for that specific analysis.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- T - This flag is used when the analyte is found in the associated TCLP extraction blank as well as in the sample.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a 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 Form I and flagged with a "P".
- A - This flag indicates that a TIC is a suspected aldol-condensation product.

INORGANIC DATA COMMENT PAGE

Laboratory Name: SEVERN TRENT LABORATORIES, INC.

USEPA Defined Inorganic Data Qualifiers:

- B - Indicates a value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
- U - Indicates compound was analyzed for but not detected. Report with the detection limit value (e.g., 100).
- N - Indicates spike sample recovery is not within the control limits.
- K - Indicates the post digestion spike recovery is not within the control limits.
- * - Indicates duplicate analysis is not within the control limits.
- S - Indicates value determined by the Method of Standard Addition.
- +
- Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.
- M - Indicates duplicate injection results exceeded control limits.
- W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
- E - Indicates a value estimated or not reported due to the presence of interference.

FOIL

Releasable

Non-Releasable

Old Land Reclamation

(Site I.D. # 915129)

Groundwater Sampling - February 28, 2001

(Jaspal S. Walia and David Szymanski)

Site Description:

This 64 acres landfill site is owned by four separate parties and is located in the Village of Depew. The site borders Broadway Street on the north, a farm pasturage on the east, Cayuga Creek on the south, and Conrail right-of-way and Land Reclamation site on the west (Fig. 1). The site is fenced along Broadway Street.

The site was operated from approximately 1960 to 1975 and received municipal and industrial wastes including miscellaneous refuse, foundry sand, slag, fly ash, oil sludge, pine-tar pitch, inks, and waste colors. The site is covered with clay and graded flat.

Site Geology and Hydrogeology:

The landfill surface has a slope less than 2% and is densely covered with field grasses and brush and has large number of trees along Cayuga Creek. The surface water flows south into Cayuga Creek and into drainage ditches on the east and west. These drainage ditches flow into Cayuga Creek. Several iridescent leachate seeps along the south side of the landfill flow into Cayuga Creek.

The site is underlain by onondaga lime stone and is 8 feet below ground surface on the south side of the landfill and 34.5 feet on the north side of the site.

Previous Testing:

- The following is a list of the previous studies on the site:
- 1984 The Erie County DEP Investigation
- 1986 Phase I Investigation - Recra Environmental
- 1991 Phase II Investigation - Ecology and Environment
- 5/1992 Surface Water and Leachate Sampling - NYSDEC
- 2/1999 Leachate Sampling - NYSDEC

NYSDEC Sampling 2/28/01:

Three of the four groundwater monitoring wells installed during the Phase II investigation were sampled on 2/28/01. Monitoring well locations are shown in Fig. 1.

Prior to sampling, the wells were monitored for pH, conductivity, and turbidity during purging to ensure consistency in water quality and to properly evacuate static water from the wells. Monitoring Wells 2A, 6A and 7A are bedrock wells with 3" diameter PVC inside casings socketed into the bedrock. Monitoring Well 2B is an overburden well with a 2" diameter PVC inside the casing. Monitoring Well 2A had an obstruction of undetermined origin at a depth of approximately 22 feet. No water was measured or sampled from this well due to the obstruction.

All wells were purged of a minimum of three volumes of groundwater on February 28, 2001 prior to collection of the samples. The wells were purged using a Whale submersible pump until pH, conductivity, turbidity, and visual levels stabilized. Samples were then collected using new, disposable bailers after the wells sufficiently recharged. Samples for VOCs were collected into 40 ml vials pre-preserved with HCl; samples for B/N/As, Pesticides and PCBs were collected into 1-liter amber bottles; samples for metals were collected in 1-liter plastic containers and preserved with HNO₃; samples for cyanide were collected into 250-ml plastic containers and preserved with NaOH. All samples were transported to STL Buffalo laboratory on February 28, 2001 for ASP analyses. A standard 30 day turn around was requested.

Summary of the Analytical Results of 2/28/01 Sampling:

The attached analytical data shows that benzene (10 ppb), chlorobenzene (12 ppb), and total xylenes (17 ppb) were the only volatiles compounds (VOCs) detected above the Groundwater (GW) Standards in GW-2B, which is an upgradient over burden well. Traces of PAHs below the GW Standards were also detected. Aroclor 1242 was also detected below the GW Standards. Among the metals, iron, magnesium, and manganese were found above the GW Standards. No Cyanides were detected.

No volatile organics were detected in the bedrock wells GW-6A and GW-7A. Among the semivolatiles organics, bis(2-ethylhexyl) phthalate was reported but was also detected in the blank sample. Iron was found above groundwater standards in both GW-6A and GW-7A. Magnesium was detected above the GW standards in GW-6A. No cyanides were detected in both GW-6A and GW-7A. Aldrin was detected at the detection limit in GW-7A.

The following table lists the contaminants detected in the groundwater above the Groundwater Standards during Phase II Investigation and the NYSDEC Sampling of 2/28/01. The comparison of the data suggests that the groundwater conditions have not deteriorated in the past 11-12 years.

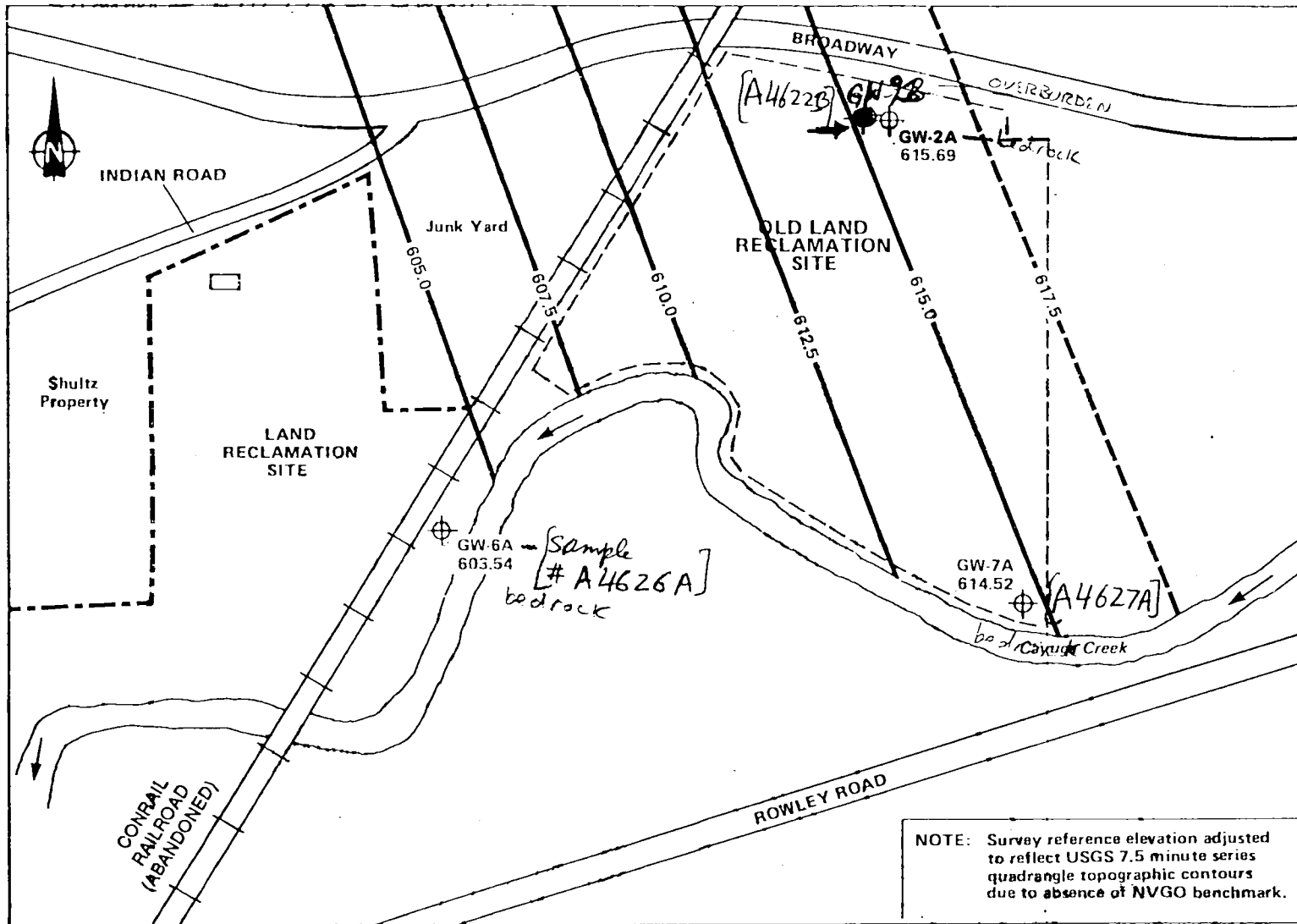
Comparison of Groundwater Data of Sampling events of Phase II Investigation (1989) and NYSDEC Sampling of 2/28/2001							
PARAMETER	GW-STD (ppb)	GW-2B (ppb)		GW-6A (ppb)		GW-7A (ppb)	
		1989	2001	1989	2001	1989	2001
Benzene	0.7	11	10	9	-	26	-
Chlorobenzene	5	13	12	-	-	16	1
Toluene	5	8	2	-	-	-	-
Xylenes	5	130	17	-	-	8	-
4-Chloroaniline	NS	-	-	-	-	77	0.6
Cadmium	10	11.5	-	-	-	-	-
Chromium	50	75	-	-	-	-	-
Iron	300	180,000	59,600	25,300	687	25,800	6,930
Lead	25	141	5.7	-	-	-	-
Magnesium	35,000	63,600	37,900	50,500	49,600	91,900	20,700
Manganese	300	1,600	401	586	60	263	133

NS- No Standard

ppb- parts per billion - ug/l

GW-STD - Groundwater Standards

- indicates not detected or below GW Standards (See attached results)



KEY:

- Bedrock Monitoring Well
- Groundwater Contour
- OVER BURDEN Monitoring well
- Inferred Contour

NOT TO SCALE

Figure 1

POTENTIOMETRIC SURFACE OF BEDROCK WATER ELEVATIONS, AT OLD LAND RECLAMATION SITE

Sample # A4622B - GW-2B

Old Land Reclamation Groundwater Sampling Event

February 28, 2001

Cheektowaga(T), Erie County

Site No. 915129

WELL NO.	Sample I.D.	BOTTOM DEPTH TOC (Ft.)	GW ELEV. TOC (Ft.)	AMOUNT OF H2O (Ft.)	WATER PURGED (gal.) Calc./Actual	DATE/TIME SAMPLED (Hrs.)	Gals ph/uS/ntu	Gals ph/uS/ntu	Gals ph/uS/ntu	COMMENTS
2A ₁	NR	NR	NR	NR	NR	NR	NR	NR	NR	Obst. in Well @ 22'
2B ₂	A4622B	32.75'	22.41'	10.34'	10.34/5.2 dry	1215 hours	1.5 6.6/650/>200	3.5 6.7/670/38.8	5.2 6.8/730/35.1	Pumped dry to 5.2 Gals.
6A ₁	A4626A	22.66'	15.45'	7.21'	7.21/10.0	1015 hours	1.0 7.18/590/34.1	6.0 7.28/765/25.8	10.0 7.38/767/6.0	H ₂ S Odor, Black Color Initial Volume.
7A ₁	A4627A	23.07'	8.16'	14.91'	14.91/15.0	1115 hours	2.0 7.16/980/27.1	7.0 7.45/697/6.6	15.0 7.32/698/3.5	Clear with Yellow/Brownish Color

1 - 1.0 GAL PER FT. WATER = 3 VOLUMES FOR A 3" I.D. MONITORING WELL

2 - 0.5 GAL PER FT. WATER = 3 VOLUMES FOR A 2" I.D. MONITORING WELL

NR - Not recorded

The purpose of the sampling was to perform groundwater monitoring at the site. As these wells had not been sampled for an extended period, they were monitored for ph, conductivity and turbidity during purging to ensure consistency in water quality and to properly evacuate static water from the wells. Monitoring Wells 2A, 6A and 7A are bedrock wells with 3" diameter PVC inside casings socketed into the bedrock. Monitoring Well 2B is an overburden well with a 2" PVC inside casing. Monitoring Well 2A had an obstruction at approximately 22' depth of undetermined origin. No water was measured or sampled from this well due to the obstruction. All wells were purged of a minimum of three volumes of groundwater on February 28, 2001 prior to collection of the samples. The wells were purged using a Whale submersible pump until ph, conductivity, turbidity and visual levels stabilized. Samples were then collected using new, disposable bailers after the wells sufficiently recharged. Samples for VOCs were collected into 40mL vials pre-preserved with HCL; Samples for B/N/As, Pesticides and PCBs were collected into 1-Liter amber bottles; Samples for Metals were collected in 1-Liter plastic containers and preserved with HNO₃; Samples for Cyanide were collected into 250-mL plastic containers and preserved with NaOH. All samples were transported to STL laboratory on February 28, 2001 for ASP analyses. A standard 30 day turn around was requested.

Analytical results are attached.

915 129

**SEVERN
TRENT
SERVICES**

March 28, 2001

Mr. John Ryan
NYSDEC
50 Wolf Road, Room 305
Albany, NY 12233-7252

STL Buffalo
10 Hazelwood Drive
Suite 106
Amherst, NY 14228

Tel: 716 691 2600
Fax: 716 691 7991
www.stl-inc.com

RE: Analytical Results: A01-1862

OLD LAND
RECLAMATION

Dear Mr. Ryan:

Please find enclosed analytical results concerning the samples recently submitted by your agency. The pertinent information regarding these analyses is listed below:

Case #: SH900
SDG#: 0228
Matrix: Groundwater
Samples Received: ~~03/28/01~~ 2/28/01
Sample Date: ~~03/28/01~~ 2/28/01

If you have any questions concerning these data, please contact Mr. Kenneth P. Kinecki, Program Manager, at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide the New York State Department of Environmental Conservation with environmental testing services. We look forward to serving you in the future.

Sincerely,

STL Buffalo

Kenneth P. Kinecki
Program Manager

Susan L. Tinsmith
Laboratory Director

KPK/SLT/ekn
Enclosure: Diskette
cc: Mr. Dan Szymanski

I.D. #A01-1862
#7A7260-9

This report contains 1319 pages which are individually numbered.

**SEVERN
TRENT
SERVICES**

STL Buffalo

SDG NARRATIVE

Laboratory Name: STL Buffalo

Laboratory Code: STL Buffalo

Case Number: SH900

SDG Number: 0228

Sample Identifications: A4622B
A4626A
A4627A
TRIP BLANKMETHODOLOGY

The specific methodology employed in obtaining the enclosed analytical results is enclosed on the specific data tables. The method number presented refers to the following U.S. Environmental Protection Agency reference:

- Analytical Services Protocol, NYSDEC, Doc. #0102, Vol. 1-10, Sept., 1989 with 12/91 and 12/95 rev. & updates.

COMMENTS

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

The cooler was received at a temperature of 6°C.

No deviations from protocol were encountered for PCB Data and Wet Chemistry analyses.

Deviations from protocol were encountered for the following:

VOLATILE DATA

All samples were preserved to a pH less than 2.

Sample A4622B was analyzed at a dilution factor of 2 due to excessive foaming.

**SEVERN
TRENT
SERVICES**SEMIVOLATILE DATA

STL Buffalo

SBLK10 exhibited results for Bis(2-ethylhexyl) phthalate. All affected results will be indicated with a "B" qualifier.

Sample A4626A exhibited Bis(2-ethylhexyl) phthalate in amounts exceeding the instrument calibration range ("E" qualifiers) and was reanalyzed at a dilution of 5. The sample was analyzed once more at a dilution factor of 10 due to high concentrations of Bis(2-ethylhexyl) phthalate. All sets of data are reported.

Sample A4622B exhibited surrogate recovery results below quality control limits for 2-Chlorophenol-D4, 2-Fluorophenol, Phenol-D5, and 2,4,6-Tribromophenol. However, samples A4622B MS and A4622B SD were compliant. Due to insufficient sample volume A4622B could not be re-extracted.

Sample A4626A exhibited surrogate recovery results below quality control limits for 2-Chlorophenol-D4, 2-Fluorophenol, Phenol-D5, and 2,4,6-Tribromophenol. The sample was reanalyzed and exhibited similar results. The sample was re-extracted outside of holding time and exhibited surrogate recovery results below quality control limits for 2-Fluorophenol and Phenol-D5.

Sample A4627A exhibited surrogate recovery results below quality control limits for 2-Chlorophenol-D4, 2-Fluorophenol, and Phenol-D5. The sample was re-extracted outside of holding time and exhibited surrogate recovery results below quality control limits for 2-Fluorophenol.

MSB12 exhibited spike recovery results of 100% for 4-Chloro-3-methylphenol. However, this is above the acceptable limits for this compound.

Sample A4622B SD exhibited spike recovery results below quality control limits for 4-Nitrophenol. The relative percent difference (RPD) for spike recovery between samples A4622B MS and A4622B SD was above quality control limits also. However, the Matrix Spike Blank was compliant.

PESTICIDE DATA

The relative percent difference (RPD) for spike recovery between the Matrix Spike Blank and Matrix Spike Blank Duplicate was above quality control limits for Aldrin.

Standard INDAM03 analyzed on column RTXCLP1 exhibited a %D for surrogate Decachlorobiphenyl above quality control limits (25%).

Standard PEM03 analyzed on column RTXCLP2 exhibited a %D for 4,4'-DDT and Methoxychlor above quality control limits (25%).

Standard INDAM03 analyzed on column RTXCLP2 exhibited a %D for Heptachlor above quality control limits (25%).

**SEVERN
TRENT
SERVICES**METALS DATA

STL Buffalo

Sample A4622B was analyzed at a dilution factor of 10 for Sodium due to the original result exceeding the linear range of the curve.

"I certify that this data 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. Tinsmith
Laboratory Director

3/30/01

Date

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.

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.
- 1 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.
- 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.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance.
- * Indicates analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

OLD LAND RECLAMATION
well # GW 2-B
000013

Client No.

A4622B

Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1696.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 03/08/2001

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	UG/L	Q	\$/gal (ug/c)
67-64-1	Acetone	20	U	
75-27-4	Bromodichloromethane	20	U	
75-25-2	Bromoforn	20	U	
74-83-9	Bromomethane	20	U	
78-93-3	2-Butanone	20	U	
75-15-0	Carbon Disulfide	20	U	
56-23-5	Carbon Tetrachloride	20	U	
75-00-3	Chloroethane	20	U	
67-66-3	Chloroform	20	U	
74-87-3	Chloromethane	20	U	
10061-01-5	cis-1,3-Dichloropropene	20	U	
124-48-1	Dibromochloromethane	20	U	
75-34-3	1,1-Dichloroethane	20	U	
107-06-2	1,2-Dichloroethane	20	U	
75-35-4	1,1-Dichloroethene	20	U	
540-59-0	1,2-Dichloroethene (Total)	20	U	
78-87-5	1,2-Dichloropropane	20	U	
591-78-6	2-Hexanone	20	U	
75-09-2	Methylene chloride	20	U	
108-10-1	4-Methyl-2-pentanone	20	U	
100-42-5	Styrene	20	U	
10061-02-6	trans-1,3-Dichloropropene	20	U	
127-18-4	Tetrachloroethene	20	U	
79-34-5	1,1,2,2-Tetrachloroethane	20	U	
71-55-6	1,1,1-Trichloroethane	20	U	
79-00-5	1,1,2-Trichloroethane	20	U	
79-01-6	Trichloroethene	20	U	
75-01-4	Vinyl chloride	20	U	
71-43-2	Benzene	10	J	
108-90-7	Chlorobenzene	12	J	
100-41-4	Ethylbenzene	3	J	
108-88-3	Toluene	2	J	
1330-20-7	Total Xylenes	17	J	

5/10/01

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000014

Client No.

A4622B

Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1696.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Date Analyzed: 03/08/2001

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.00

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.	UNKNOWN FREON	4.35	14	J
2.	UNKNOWN BENZENE DERIVATIVE	17.55	37	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000021

Client No.

A4622B

Name: STL Buffalo

Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186201

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z46235.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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
86-30-6	N-nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
88-74-4	2-Nitroaniline	25	U
99-09-2	3-Nitroaniline	25	U
100-01-6	4-Nitroaniline	25	U
91-94-1	3,3'-Dichlorobenzidine	10	U
91-58-7	2-Chloronaphthalene	10	U
132-64-9	Dibenzofuran	10	U
95-50-1	1,2-Dichlorobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	2	J
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
67-72-1	Hexachloroethane	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
91-57-6	2-Methylnaphthalene	1	J
120-82-1	1,2,4-Trichlorobenzene	10	U
106-47-8	4-Chloroaniline	10	U
85-68-7	Butyl benzyl phthalate	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	0.7	BJ
84-66-2	Diethyl phthalate	10	U
131-11-3	Dimethyl phthalate	10	U
84-74-2	Di-n-butyl phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
86-74-8	Carbazole	1	J
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
78-59-1	Isophorone	10	U
98-95-3	Nitrobenzene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	0.6	J
120-12-7	Anthracene	10	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000022

Client No.

A4622B

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186201

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z46235.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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
56-55-3	Benzo (a) anthracene	10	U
50-32-8	Benzo (a) pyrene	10	U
205-99-2	Benzo (b) fluoranthene	10	U
191-24-2	Benzo (ghi) perylene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	0.7	J
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	U
91-20-3	Naphthalene	0.8	J
85-01-8	Phenanthrene	1	J
129-00-0	Pyrene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
95-57-8	2-Chlorophenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
51-28-5	2,4-Dinitrophenol	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	25	U
87-86-5	Pentachlorophenol	25	U
108-95-2	Phenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
88-06-2	2,4,6-Trichlorophenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U

GLW std
(ng/L)

50
10
50

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000023

Client No.

A4622B

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECONY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186201

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z46235.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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

Number TICs found: 19

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 108-90-7	CHLOROBENZENE	3.38	2	JN
2. 100-41-4	ETHYLBENZENE	3.90	4	JN
3.	TRIMETHYLBENZENE ISOMER	6.46	15	J
4.	TRIMETHYLBENZENE ISOMER	7.00	8	J
5.	ETHYLDIMETHYLBENZENE ISOMER	8.71	2	J
6.	UNKNOWN BENZENE DER.	9.20	2	J
7.	ETHYLDIMETHYLBENZENE ISOMER	9.23	2	J
8. 126-73-8	PHOSPHORIC ACID TRIBUTYL EST	15.68	2	JN
9.	UNKNOWN BENZENE DER.	15.73	4	J
10. 80-39-7	ETHYLMETHYLBENZENESULFONAMID	16.25	3	JN
11. 10544-50-0	SULFUR	18.51	3	JN
12.	UNKNOWN	18.80	2	J
13.	UNKNOWN	19.01	4	J
14.	UNKNOWN	20.11	5	J
15.	UNKNOWN	20.28	5	J
16.	UNKNOWN	21.31	2	J
17.	UNKNOWN	21.36	3	J
18.	UNKNOWN	21.63	7	J
19.	UNKNOWN	22.76	4	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A4622B

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNY

Case No.: SH900

SAS No.:

SDG No.: 0228

Matrix: (soil/water) WATER

Lab Sample ID: A1186201

Sample wt/vol: 1070 (g/mL) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 02/28/01

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/05/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/15/01

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.047	U
319-85-7-----	beta-BHC	0.047	U
319-86-8-----	delta-BHC	0.047	U
58-89-9-----	gamma-BHC (Lindane)	0.047	U
76-44-8-----	Heptachlor	0.047	U
309-00-2-----	Aldrin	0.047	U
1024-57-3-----	Heptachlor epoxide	0.047	U
959-98-8-----	Endosulfan I	0.047	U
60-57-1-----	Dieldrin	0.094	U
72-55-9-----	4,4'-DDE	0.094	U
72-20-8-----	Endrin	0.094	U
33213-65-9-----	Endosulfan II	0.094	U
72-54-8-----	4,4'-DDD	0.094	U
1031-07-8-----	Endosulfan sulfate	0.094	U
50-29-3-----	4,4'-DDT	0.094	U
72-43-5-----	Methoxychlor	0.47	U
53494-70-5-----	Endrin ketone	0.094	U
7421-93-4-----	Endrin aldehyde	0.094	U
5103-71-9-----	alpha-Chlordane	0.047	U
5103-74-2-----	gamma-Chlordane	0.047	U
8001-35-2-----	Toxaphene	4.7	U

HOD 608 - PRIORITY POLLUTANT P
ANALYSIS DATA SHEET

000042

Client No.

A4622B

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNY

Case No.: SH900

SAS No.: _____

SDG No.: 0228

Matrix: (soil/water) WATER

Lab Sample ID: A1186201

Sample wt/vol: 1070.00 (g/mL) ML

Lab File ID: PA04051.TX0

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

Date Samp/Recv: 02/28/2001 02/28/2001

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

Date Extracted: 03/05/2001

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/09/2001

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.053	J
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U

0.1

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

A4622B

Contract: NY96-202

Lab Code: STL BFLO

Case No.: SH900

SAS No.:

SDG NO.: 0228

Matrix (soil/water): WATER

Lab Sample ID: AD104054

Level (low/med): LOW

Date Received: 2/28/01

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	242			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	388			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	183000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	59600			P
7439-92-1	Lead	5.7			P
7439-95-4	Magnesium	37900			P
7439-96-5	Manganese	401			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	20400			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	10.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-23-5	Sodium	463000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	75.0			P

GW
std (ug/l)

-NS

1000

300

35,000

300

300

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: YELLOW

Clarity After: CLEAR

Artifacts: _____

Comments: _____

Wet Chemistry Analysis

000048

Client Sample No.

A4622B

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNV

Case No.: SH900

SAS No.: _____

SDG No.: 0228

Matrix (soil/water): WATER

Lab Sample ID: A1186201

% Solids: 0.0

Date Samp/Recv: 02/28/2001 02/28/2001

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total _____	UG/L	10	U			9010	03/07/2001

Comments:

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

OLD AND RECLAIM 1101V
Well # GW-6A
000015

Client No.

A4626A

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1697.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 03/08/2001

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

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

ASP 95 - VOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

000016

Client No.

A4626A

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECN Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1697.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Date Analyzed: 03/08/2001

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

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 4 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	4.21	65	J
2.	UNKNOWN	4.58	30	J
3.	UNKNOWN	4.92	20	J
4.	UNKNOWN	5.90	18	J

ASP. 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUND

000018

Client No.

A4627A

Lab Name: STL Buffalo Contract: C003785

Lab Code: REONY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1698.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Date Analyzed: 03/08/2001

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.	MONOCHLOROTOLUENE ISOMER	16.92	11	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000024

Client No.

A4626A

Name: STL Buffalo

Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z46233.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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
86-30-6	N-nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
88-74-4	2-Nitroaniline	23	U
99-09-2	3-Nitroaniline	23	U
100-01-6	4-Nitroaniline	23	U
91-94-1	3,3'-Dichlorobenzidine	9	U
91-58-7	2-Chloronaphthalene	9	U
132-64-9	Dibenzofuran	9	U
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
67-72-1	Hexachloroethane	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
91-57-6	2-Methylnaphthalene	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
106-47-8	4-Chloroaniline	9	U
85-68-7	Butyl benzyl phthalate	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	130	BE
84-66-2	Diethyl phthalate	9	U
131-11-3	Dimethyl phthalate	9	U
84-74-2	Di-n-butyl phthalate	9	U
117-84-0	Di-n-octyl phthalate	9	U
86-74-8	Carbazole	9	U
121-14-2	2,4-Dinitrotoluene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
78-59-1	Isophorone	9	U
98-95-3	Nitrobenzene	9	U
208-96-8	Acenaphthylene	9	U
83-32-9	Acenaphthene	9	U
120-12-7	Anthracene	9	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000025

Client No.

A4626A

Name: STL Buffalo Contract: C003785

Lab Code: RECN Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z46233.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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
56-55-3	-----Benzo (a) anthracene	9	U
50-32-8	-----Benzo (a) pyrene	9	U
205-99-2	-----Benzo (b) fluoanthene	9	U
191-24-2	-----Benzo (ghi) perylene	9	U
207-08-9	-----Benzo (k) fluoanthene	9	U
218-01-9	-----Chrysene	9	U
53-70-3	-----Dibenzo (a, h) anthracene	9	U
206-44-0	-----Fluoanthene	9	U
86-73-7	-----Fluorene	9	U
193-39-5	-----Indeno (1, 2, 3-cd) pyrene	9	U
91-20-3	-----Naphthalene	9	U
85-01-8	-----Phenanthrene	9	U
129-00-0	-----Pyrene	9	U
59-50-7	-----4-Chloro-3-methylphenol	9	U
95-57-8	-----2-Chlorophenol	9	U
120-83-2	-----2, 4-Dichlorophenol	9	U
105-67-9	-----2, 4-Dimethylphenol	9	U
51-28-5	-----2, 4-Dinitrophenol	23	U
534-52-1	-----4, 6-Dinitro-2-methylphenol	23	U
95-48-7	-----2-Methylphenol	9	U
106-44-5	-----4-Methylphenol	9	U
88-75-5	-----2-Nitrophenol	9	U
100-02-7	-----4-Nitrophenol	23	U
87-86-5	-----Pentachlorophenol	23	U
108-95-2	-----Phenol	9	U
95-95-4	-----2, 4, 5-Trichlorophenol	23	U
88-06-2	-----2, 4, 6-Trichlorophenol	9	U
111-44-4	-----Bis(2-chloroethyl) ether	9	U
108-60-1	-----2, 2'-Oxybis(1-Chloropropane)	9	U
111-91-1	-----Bis(2-chloroethoxy) methane	9	U
101-55-3	-----4-Bromophenyl phenyl ether	9	U
7005-72-3	-----4-Chlorophenyl phenyl ether	9	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000026

Client No.

A4626A

Lab Name: STL Buffalo Contract: C003785

Lab Code: REONY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z46233.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 5

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

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 10544-50-0	SULFUR	17.06	37	JN
2. 10544-50-0	SULFUR	18.70	690	JN
3.	BUTYLHEXADECANOATE	19.18	97	J
4. 123-95-5	OCTADECANOIC CAID, BUTYL ESTR	20.15	67	JN
5.	UNKNOWN	21.63	7	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000027

Client No.

A4626A DL

Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202DL

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z46245.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

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

86-30-6-----	N-nitrosodiphenylamine	47	U
621-64-7-----	N-Nitroso-Di-n-propylamine	47	U
88-74-4-----	2-Nitroaniline	120	U
99-09-2-----	3-Nitroaniline	120	U
100-01-6-----	4-Nitroaniline	120	U
91-94-1-----	3,3'-Dichlorobenzidine	47	U
91-58-7-----	2-Chloronaphthalene	47	U
132-64-9-----	Dibenzofuran	47	U
95-50-1-----	1,2-Dichlorobenzene	47	U
541-73-1-----	1,3-Dichlorobenzene	47	U
106-46-7-----	1,4-Dichlorobenzene	47	U
118-74-1-----	Hexachlorobenzene	47	U
87-68-3-----	Hexachlorobutadiene	47	U
67-72-1-----	Hexachloroethane	47	U
77-47-4-----	Hexachlorocyclopentadiene	47	U
91-57-6-----	2-Methylnaphthalene	47	U
120-82-1-----	1,2,4-Trichlorobenzene	47	U
106-47-8-----	4-Chloroaniline	47	U
85-68-7-----	Butyl benzyl phthalate	47	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	280	BD
84-66-2-----	Diethyl phthalate	47	U
131-11-3-----	Dimethyl phthalate	47	U
84-74-2-----	Di-n-butyl phthalate	47	U
117-84-0-----	Di-n-octyl phthalate	47	U
86-74-8-----	Carbazole	47	U
121-14-2-----	2,4-Dinitrotoluene	47	U
606-20-2-----	2,6-Dinitrotoluene	47	U
78-59-1-----	Isophorone	47	U
98-95-3-----	Nitrobenzene	47	U
208-96-8-----	Acenaphthylene	47	U
83-32-9-----	Acenaphthene	47	U
120-12-7-----	Anthracene	47	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000028

Client No.

A4626A DL

Name: STL Buffalo Contract: C003785

Lab Code: RECN Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202DL

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z46245.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
56-55-3	Benzo (a) anthracene		47	U
50-32-8	Benzo (a) pyrene		47	U
205-99-2	Benzo (b) fluoranthene		47	U
191-24-2	Benzo (ghi) perylene		47	U
207-08-9	Benzo (k) fluoanthene		47	U
218-01-9	Chrysene		47	U
53-70-3	Dibenzo (a,h) anthracene		47	U
206-44-0	Fluoranthene		47	U
86-73-7	Fluorene		47	U
193-39-5	Indeno (1,2,3-cd) pyrene		47	U
91-20-3	Naphthalene		47	U
85-01-8	Phenanthrene		47	U
129-00-0	Pyrene		47	U
59-50-7	4-Chloro-3-methylphenol		47	U
95-57-8	2-Chlorophenol		47	U
120-83-2	2,4-Dichlorophenol		47	U
105-67-9	2,4-Dimethylphenol		47	U
51-28-5	2,4-Dinitrophenol		120	U
534-52-1	4,6-Dinitro-2-methylphenol		120	U
95-48-7	2-Methylphenol		47	U
106-44-5	4-Methylphenol		47	U
88-75-5	2-Nitrophenol		47	U
100-02-7	4-Nitrophenol		120	U
87-86-5	Pentachlorophenol		120	U
108-95-2	Phenol		47	U
95-95-4	2,4,5-Trichlorophenol		120	U
88-06-2	2,4,6-Trichlorophenol		47	U
111-44-4	Bis(2-chloroethyl) ether		47	U
108-60-1	2,2'-Oxybis(1-Chloropropane)		47	U
111-91-1	Bis(2-chloroethoxy) methane		47	U
101-55-3	4-Bromophenyl phenyl ether		47	U
7005-72-3	4-Chlorophenyl phenyl ether		47	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000029

Client No.

A4626A DL

Lab Name: STL Buffalo Contract: C003785

Lab Code: REONY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202DL

Sample wt/vol: 1070.0 (g/mL) ML Lab File ID: Z46245.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 4

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

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 10544-50-0	SULFUR	16.88	16	JN
2. 10544-50-0	SULFUR	18.58	900	JN
3. 57-10-3	HEXADECANOIC ACID	19.16	93	JN
4. 123-95-5	OCTADECANOIC ACID, BUTYL ESTR	20.13	74	JN

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000030

Client No.

A4626A RE

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202RE

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46261.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/16/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/2001

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO.	COMPOUND	UG/L	Q
86-30-6	N-nitrosodiphenylamine	94	U
621-64-7	N-Nitroso-Di-n-propylamine	94	U
88-74-4	2-Nitroaniline	240	U
99-09-2	3-Nitroaniline	240	U
100-01-6	4-Nitroaniline	240	U
91-94-1	3,3'-Dichlorobenzidine	94	U
91-58-7	2-Chloronaphthalene	94	U
132-64-9	Dibenzofuran	94	U
95-50-1	1,2-Dichlorobenzene	94	U
541-73-1	1,3-Dichlorobenzene	94	U
106-46-7	1,4-Dichlorobenzene	94	U
118-74-1	Hexachlorobenzene	94	U
87-68-3	Hexachlorobutadiene	94	U
67-72-1	Hexachloroethane	94	U
77-47-4	Hexachlorocyclopentadiene	94	U
91-57-6	2-Methylnaphthalene	94	U
120-82-1	1,2,4-Trichlorobenzene	94	U
106-47-8	4-Chloroaniline	94	U
85-68-7	Butyl benzyl phthalate	94	U
117-81-7	Bis(2-ethylhexyl) phthalate	280	U
84-66-2	Diethyl phthalate	94	U
131-11-3	Dimethyl phthalate	94	U
84-74-2	Di-n-butyl phthalate	94	U
117-84-0	Di-n-octyl phthalate	94	U
86-74-8	Carbazole	94	U
121-14-2	2,4-Dinitrotoluene	94	U
606-20-2	2,6-Dinitrotoluene	94	U
78-59-1	Isophorone	94	U
98-95-3	Nitrobenzene	94	U
208-96-8	Acenaphthylene	94	U
83-32-9	Acenaphthene	94	U
120-12-7	Anthracene	94	U

Std (ug/g)

50
(ug/g)

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000031

Client No.

A4626A RE

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202RE

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46261.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/16/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/2001

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
56-55-3	Benzo (a) anthracene	94		U
50-32-8	Benzo (a) pyrene	94		U
205-99-2	Benzo (b) fluoranthene	94		U
191-24-2	Benzo (ghi) perylene	94		U
207-08-9	Benzo (k) fluoranthene	94		U
218-01-9	Chrysene	94		U
53-70-3	Dibenzo (a, h) anthracene	94		U
206-44-0	Fluoranthene	94		U
86-73-7	Fluorene	94		U
193-39-5	Indeno (1, 2, 3-cd) pyrene	94		U
91-20-3	Naphthalene	94		U
85-01-8	Phenanthrene	94		U
129-00-0	Pyrene	94		U
59-50-7	4-Chloro-3-methylphenol	94		U
95-57-8	2-Chlorophenol	94		U
120-83-2	2,4-Dichlorophenol	94		U
105-67-9	2,4-Dimethylphenol	94		U
51-28-5	2,4-Dinitrophenol	240		U
534-52-1	4,6-Dinitro-2-methylphenol	240		U
95-48-7	2-Methylphenol	94		U
106-44-5	4-Methylphenol	94		U
88-75-5	2-Nitrophenol	94		U
100-02-7	4-Nitrophenol	240		U
87-86-5	Pentachlorophenol	240		U
108-95-2	Phenol	94		U
95-95-4	2,4,5-Trichlorophenol	240		U
88-06-2	2,4,6-Trichlorophenol	94		U
111-44-4	Bis(2-chloroethyl) ether	94		U
108-60-1	2,2'-Oxybis(1-Chloropropane)	94		U
111-91-1	Bis(2-chloroethoxy) methane	94		U
101-55-3	4-Bromophenyl phenyl ether	94		U
7005-72-3	4-Chlorophenyl phenyl ether	94		U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000032

Client No.

A4626A RE

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNV Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186202RE

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46261.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/16/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/2001

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

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

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 10544-50-0	SULFUR	18.83	270	JN

000040

EPA SAMPLE NO.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

A4626A

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNY

Case No.: SH900

SAS No.:

SDG No.: 0228

Matrix: (soil/water) WATER

Lab Sample ID: A1186202

Sample wt/vol: 1070 (g/mL) ML

Lab File ID:

% Moisture: decanted: (Y/N)

Date Received: 02/28/01

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/05/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/15/01

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.047	U
319-85-7-----	beta-BHC	0.047	U
319-86-8-----	delta-BHC	0.047	U
58-89-9-----	gamma-BHC (Lindane)	0.047	U
76-44-8-----	Heptachlor	0.047	U
309-00-2-----	Aldrin	0.047	U
1024-57-3-----	Heptachlor epoxide	0.047	U
959-98-8-----	Endosulfan I	0.047	U
60-57-1-----	Dieldrin	0.094	U
72-55-9-----	4,4'-DDE	0.094	U
72-20-8-----	Endrin	0.094	U
33213-65-9-----	Endosulfan II	0.094	U
72-54-8-----	4,4'-DDD	0.094	U
1031-07-8-----	Endosulfan sulfate	0.094	U
50-29-3-----	4,4'-DDT	0.094	U
72-43-5-----	Methoxychlor	0.47	U
53494-70-5-----	Endrin ketone	0.094	U
7421-93-4-----	Endrin aldehyde	0.094	U
5103-71-9-----	alpha-Chlordane	0.047	U
5103-74-2-----	gamma-Chlordane	0.047	U
8001-35-2-----	Toxaphene	4.7	U

HOD 608 - PRIORITY POLLUTANT P_{CS}
ANALYSIS DATA SHEET

000043

Client No.

A4626A

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNV

Case No.: SH900

SAS No.: _____

SDG No.: 0228

Matrix: (soil/water) WATER

Lab Sample ID: A1186202

Sample wt/vol: 1070.00 (g/mL) ML

Lab File ID: PA04071.TX0

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

Date Samp/Recv: 02/28/2001 02/28/2001

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

Date Extracted: 03/05/2001

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/09/2001

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

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

12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

A4626A

Contract: NY96-202Lab Code: STL BFLOCase No.: SH900

SAS No.: _____

SDG NO.: 0228Matrix (soil/water): WATERLab Sample ID: AD104055Level (low/med): LOWDate Received: 2/28/01Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	66200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	687			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	49600			P
7439-96-5	Manganese	60.2			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	33800			P
7782-49-2	Selenium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	125000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

-35,000

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Wet Chemistry Analysis

000049

Client Sample No.

A4626A

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECN

Case No.: SH900

SAS No.: _____

SDG No.: 0228

Matrix (soil/water): WATER

Lab Sample ID: A1186202

% Solids: 0.0

Date Samp/Recv: 02/28/2001 02/28/2001

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9010	03/07/2001

Comments:

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

U' D LAND RECLAMATION
Well # GW-7A
000017
Client No.

A4627A

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1698.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 03/08/2001

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	UG/L	Q
67-64-1	Acetone	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
124-48-1	Dibromochloromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
78-87-5	1,2-Dichloropropane	10	U
591-78-6	2-Hexanone	10	U
75-09-2	Methylene chloride	10	U
108-10-1	4-Methyl-2-pentanone	10	U
100-42-5	Styrene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-01-4	Vinyl chloride	10	U
71-43-2	Benzene	10	U
108-90-7	Chlorobenzene	1	J
100-41-4	Ethylbenzene	10	U
108-88-3	Toluene	10	U
1330-20-7	Total Xylenes	10	U

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000018

Client No.

A4627A

Lab Name: SIL Buffalo Contract: C003785

Lab Code: RECN Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1698.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Date Analyzed: 03/08/2001

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.	MONOCHLOROTOLUENE ISOMER	16.92	11	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000033

Client No.

A4627A

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECONY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46234.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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

86-30-6-----	N-nitrosodiphenylamine	9	U
621-64-7-----	N-Nitroso-Di-n-propylamine	9	U
88-74-4-----	2-Nitroaniline	24	U
99-09-2-----	3-Nitroaniline	24	U
100-01-6-----	4-Nitroaniline	24	U
91-94-1-----	3,3'-Dichlorobenzidine	9	U
91-58-7-----	2-Chloronaphthalene	9	U
132-64-9-----	Dibenzofuran	9	U
95-50-1-----	1,2-Dichlorobenzene	9	U
541-73-1-----	1,3-Dichlorobenzene	9	U
106-46-7-----	1,4-Dichlorobenzene	9	U
118-74-1-----	Hexachlorobenzene	9	U
87-68-3-----	Hexachlorobutadiene	9	U
67-72-1-----	Hexachloroethane	9	U
77-47-4-----	Hexachlorocyclopentadiene	9	U
91-57-6-----	2-Methylnaphthalene	9	U
120-82-1-----	1,2,4-Trichlorobenzene	9	U
106-47-8-----	4-Chloroaniline	0.6	J
85-68-7-----	Butyl benzyl phthalate	9	U
117-81-7-----	Bis(2-ethylhexyl) phthalate	2	BU
84-66-2-----	Diethyl phthalate	9	U
131-11-3-----	Dimethyl phthalate	9	U
84-74-2-----	Di-n-butyl phthalate	9	U
117-84-0-----	Di-n-octyl phthalate	1	J
86-74-8-----	Carbazole	9	U
121-14-2-----	2,4-Dinitrotoluene	9	U
606-20-2-----	2,6-Dinitrotoluene	9	U
78-59-1-----	Isophorone	9	U
98-95-3-----	Nitrobenzene	9	U
208-96-8-----	Acenaphthylene	9	U
83-32-9-----	Acenaphthene	9	U
120-12-7-----	Anthracene	9	U

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000034

Client No.

A4627A

Lab Name: SFL Buffalo

Contract: C003785

Lab Code: RECNV Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46234.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

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

56-55-3-----	Benzo (a) anthracene	9	U
50-32-8-----	Benzo (a) pyrene	9	U
205-99-2-----	Benzo (b) fluoranthene	9	U
191-24-2-----	Benzo (ghi) perylene	9	U
207-08-9-----	Benzo (k) fluoranthene	9	U
218-01-9-----	Chrysene	9	U
53-70-3-----	Dibenzo (a,h) anthracene	9	U
206-44-0-----	Fluoranthene	9	U
86-73-7-----	Fluorene	1	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	9	U
91-20-3-----	Naphthalene	9	U
85-01-8-----	Phenanthrene	9	U
129-00-0-----	Pyrene	9	U
59-50-7-----	4-Chloro-3-methylphenol	9	U
95-57-8-----	2-Chlorophenol	9	U
120-83-2-----	2,4-Dichlorophenol	9	U
105-67-9-----	2,4-Dimethylphenol	9	U
51-28-5-----	2,4-Dinitrophenol	24	U
534-52-1-----	4,6-Dinitro-2-methylphenol	24	U
95-48-7-----	2-Methylphenol	9	U
106-44-5-----	4-Methylphenol	9	U
88-75-5-----	2-Nitrophenol	9	U
100-02-7-----	4-Nitrophenol	24	U
87-86-5-----	Pentachlorophenol	24	U
108-95-2-----	Phenol	9	U
95-95-4-----	2,4,5-Trichlorophenol	24	U
88-06-2-----	2,4,6-Trichlorophenol	9	U
111-44-4-----	Bis(2-chloroethyl) ether	9	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	9	U
111-91-1-----	Bis(2-chloroethoxy) methane	9	U
101-55-3-----	4-Bromophenyl phenyl ether	9	U
7005-72-3-----	4-Chlorophenyl phenyl ether	9	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000035

Client No.

A4627A

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECN Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46234.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/02/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/14/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	CHLOROMETHYLBENZENE ISOMER	5.61	3	J
2. 700-12-9	PENTAMETHYLBENZENE	11.16	2	JN
3.	UNKNOWN	19.01	7	J

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000036

Client No.

A4627A RE

Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203RE

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46260.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/16/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

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

CAS NO.	COMPOUND	UG/L	Q
86-30-6	N-nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-Di-n-propylamine	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
91-94-1	3,3'-Dichlorobenzidine	9	U
91-58-7	2-Chloronaphthalene	9	U
132-64-9	Dibenzofuran	9	U
95-50-1	1,2-Dichlorobenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
67-72-1	Hexachloroethane	9	U
77-47-4	Hexachlorocyclopentadiene	9	U
91-57-6	2-Methylnaphthalene	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U
106-47-8	4-Chloroaniline	9	U
85-68-7	Butyl benzyl phthalate	9	U
117-81-7	Bis(2-ethylhexyl) phthalate	1	J
84-66-2	Diethyl phthalate	9	U
131-11-3	Dimethyl phthalate	9	U
84-74-2	Di-n-butyl phthalate	9	U
117-84-0	Di-n-octyl phthalate	0.6	J
86-74-8	Carbazole	9	U
121-14-2	2,4-Dinitrotoluene	9	U
606-20-2	2,6-Dinitrotoluene	9	U
78-59-1	Isophorone	9	U
98-95-3	Nitrobenzene	9	U
208-96-8	Acenaphthylene	9	U
83-32-9	Acenaphthene	9	U
120-12-7	Anthracene	9	U

5 w std
(MS/L)

50

ASP 95 - SEMIVOLATILES
ANALYSIS DATA SHEET

000037

Client No.

A4627A RE

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203RE

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46260.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/16/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
56-55-3	Benzo (a) anthracene		9	U
50-32-8	Benzo (a) pyrene		9	U
205-99-2	Benzo (b) fluoranthene		9	U
191-24-2	Benzo (ghi) perylene		9	U
207-08-9	Benzo (k) fluoranthene		9	U
218-01-9	Chrysene		9	U
53-70-3	Dibenzo (a, h) anthracene		9	U
206-44-0	Fluoranthene		9	U
86-73-7	Fluorene		9	U
193-39-5	Indeno (1, 2, 3-cd) pyrene		9	U
91-20-3	Naphthalene		9	U
85-01-8	Phenanthrene		9	U
129-00-0	Pyrene		9	U
59-50-7	4-Chloro-3-methylphenol		9	U
95-57-8	2-Chlorophenol		9	U
120-83-2	2, 4-Dichlorophenol		9	U
105-67-9	2, 4-Dimethylphenol		9	U
51-28-5	2, 4-Dinitrophenol		9	U
534-52-1	4, 6-Dinitro-2-methylphenol		24	U
95-48-7	2-Methylphenol		9	U
106-44-5	4-Methylphenol		9	U
88-75-5	2-Nitrophenol		9	U
100-02-7	4-Nitrophenol		24	U
87-86-5	Pentachlorophenol		24	U
108-95-2	Phenol		9	U
95-95-4	2, 4, 5-Trichlorophenol		24	U
88-06-2	2, 4, 6-Trichlorophenol		9	U
111-44-4	Bis(2-chloroethyl) ether		9	U
108-60-1	2, 2'-Oxybis (1-Chloropropane)		9	U
111-91-1	Bis(2-chloroethoxy) methane		9	U
101-55-3	4-Bromophenyl phenyl ether		9	U
7005-72-3	4-Chlorophenyl phenyl ether		9	U

ASP 95 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000038
Client No.

A4627A RE

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNV Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186203RE

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z46260.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: _____ decanted: (Y/N) N Date Extracted: 03/16/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/19/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

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

Number TICs found: 14

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	19.01	2	BJ
2.	UNKNOWN	19.26	18	BJ
3.	UNKNOWN	20.38	15	BJ
4.	UNKNOWN	20.63	34	BJ
5.	UNKNOWN	21.66	3	BJ
6.	UNKNOWN	21.96	26	BJ
7.	UNKNOWN	22.43	2	BJ
8.	UNKNOWN	23.11	8	BJ
9.	UNKNOWN	23.18	5	BJ
10.	UNKNOWN	23.50	9	BJ
11.	UNKNOWN	24.76	10	BJ
12.	UNKNOWN	24.83	7	BJ
13.	UNKNOWN	26.46	4	BJ
14.	UNKNOWN	26.53	2	BJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

A4627A

Lab Name: STL Buffalo Contract: C003785
 Lab Code: RECNY Case No.: SH900 SAS No.: SDG No.: 0228
 Matrix: (soil/water) WATER Lab Sample ID: A1186203
 Sample wt/vol: 1070 (g/mL) ML Lab File ID:
 % Moisture: decanted: (Y/N) Date Received: 02/28/01
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 03/05/01
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/16/01
 Injection Volume: 1.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

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

CAS NO. COMPOUND Q

319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
319-86-8	delta-BHC	0.047	U
58-89-9	gamma-BHC (Lindane)	0.047	U
76-44-8	Heptachlor	0.047	U
309-00-2	Aldrin	0.037	J
1024-57-3	Heptachlor epoxide	0.047	U
959-98-8	Endosulfan I	0.047	U
60-57-1	Dieldrin	0.094	U
72-55-9	4,4'-DDE	0.094	U
72-20-8	Endrin	0.094	U
33213-65-9	Endosulfan II	0.094	U
72-54-8	4,4'-DDD	0.094	U
1031-07-8	Endosulfan sulfate	0.094	U
50-29-3	4,4'-DDT	0.094	U
72-43-5	Methoxychlor	0.47	U
53494-70-5	Endrin ketone	0.094	U
7421-93-4	Endrin aldehyde	0.094	U
5103-71-9	alpha-Chlordane	0.047	U
5103-74-2	gamma-Chlordane	0.047	U
8001-35-2	Toxaphene	4.7	U

Handwritten:
 ND
 2/28/01
 3/16/01

HOD 608 - PRIORITY POLLUTANT P_{OS}
ANALYSIS DATA SHEET

000044

Client No.

A4627A

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECNY

Case No.: SH900

SAS No.: _____

SDG No.: 0228

Matrix: (soil/water) WATER

Lab Sample ID: A1186203

Sample wt/vol: 1070.00 (g/mL) ML

Lab File ID: PA04053.TX0

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

Date Samp/Recv: 02/28/2001 02/28/2001

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

Date Extracted: 03/05/2001

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/09/2001

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.00

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

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

CAS NO.

COMPOUND

Q

12674-11-2----	Aroclor 1016	0.061	U
11104-28-2----	Aroclor 1221	0.061	U
11141-16-5----	Aroclor 1232	0.061	U
53469-21-9----	Aroclor 1242	0.061	U
12672-29-6----	Aroclor 1248	0.061	U
11097-69-1----	Aroclor 1254	0.061	U
11096-82-5----	Aroclor 1260	0.061	U

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

A4627A

Contract: NY96-202Lab Code: STL BFLOCase No.: SH900

SAS No.: _____

SDG NO.: 0228Matrix (soil/water): WATERLab Sample ID: AD104059Level (low/med): LOWDate Received: 2/28/01Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	127000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	6930			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	20700			P
7439-96-5	Manganese	133			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	8400			P
7782-49-2	Selenium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	21700			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.0	U		P

Color Before: COLORLESSClarity Before: CLEAR

Texture: _____

Color After: COLORLESSClarity After: CLEAR

Artifacts: _____

Comments: _____

Wet Chemistry Analysis

000050

Client Sample No.

A4627A

Lab Name: STL Buffalo

Contract: C003785

Lab Code: RECN

Case No.: SH900

SAS No.: _____

SDG No.: 0228

Matrix (soil/water): WATER

Lab Sample ID: A1186203

% Solids: 0.0

Date Samp/Recv: 02/28/2001 02/28/2001

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	10	U			9010	03/07/2001

Comments:

ASP 95 - VOLATILES
ANALYSIS DATA SHEET

ULD LIND RECLAMIT 7 10

000019

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186204

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1694.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 03/08/2001

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

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

ASP 95 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

000020

Client No.

TRIP BLANK

Name: STL Buffalo Contract: C003785

Lab Code: RECNY Case No.: SH900 SAS No.: _____ SDG No.: 0228

Matrix: (soil/water) WATER Lab Sample ID: A1186204

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P1694.RR

Level: (low/med) LOW Date Samp/Recv: 02/28/2001 02/28/2001

% Moisture: not dec. _____ Date Analyzed: 03/08/2001

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