

Soil Sample Data Validation

APPENDIX K

Data Validation Reports

**DATA VALIDATION REPORT
SOIL SAMPLE ANALYSES
NEW PALTZ PLAZA SITE
ALPHA GEOSCIENCE PROJECT NO. 95141
ETL PROJECT NOS. 179725, 179778, 179897**

Deliverables

The above referenced Data Summary Package and Sample Data Package contain all required deliverables as stipulated under the United States Environmental Protection Agency (USEPA) Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846) and reported with New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (ASP) Superfund Category B deliverables for Target Compound List (TCL) Volatile Organic Compounds (VOC) analyses and Base/Neutral Semi-Volatile Organic Compound (SVOC) analyses performed by USEPA Methods 8260 and 8270, respectively, plus a library search of the mass spectra of the 20 largest VOC and SVOC peaks, together reported as "tentatively identified compounds" (TICs). Some samples (see below) were prepared for SW-846 Method 8270 analysis by the USEPA Toxic Characteristics Leachate Procedure (TCLP). The data have been validated according to procedures described in the quality assurance sections of SW-846, the USEPA National Functional Guidelines for Organic Data Review (February 1994), and the data reviewer's professional judgment.

The validation report pertains to the following samples:

Samples

RE-33A
RE-41A
RE-43A
RE-47A
RE-49A

QC Samples

RE-58A&BDUP(field duplicate, TCLP)
RE-33AMS/MSD(matrix spike/duplicate)

The following items/criteria were reviewed for this report:

- Quantitation/detection limits
- Holding times and sample preservation
- GC/MS tuning and performance
- Initial and continuing calibration data
- Procedural blank data
- Internal standard areas, retention times, summary and data
- Surrogate recoveries, summary and data
- MS/MSD recoveries, summary and data
- Field duplicate data
- Mass spectra and data system printouts
- Qualitative and quantitative compound identification
- Case narrative and deliverables compliance

Note that there are not many referenceable QC limits published for field duplicate analyses. The USEPA Region II "Standard Operating Procedure (SOP) for Evaluation of Metals Data for the Contract Laboratory Program (CLP) based on SOW 3/90, revision XI" is the published source used for organics for this review. Results are compared on a raw-data basis to remove differences based on percent moisture. Organic field duplicate results are compared only for target compounds and only for concentrations greater than the contract required quantitation limits (CRQL). For soil samples, the QC limit used is 100% relative percent difference.

The items listed above were technically and contractually in compliance with USEPA SW-846 protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

VOLATILES

- The following table lists blanks, blank contaminants and concentrations and associated samples. Sample results less than five times the highest associated sample concentration are negated.

Blank ID	Compound (concentration in µg/l)	Associated Samples
VBLKM17	2-butanone (TIC) (0.2J)	RE-41ADL

- The continuing calibration standard run on 12/08/97 at 23:53 exhibited a percent difference (%D) from the initial average response factor for 2-hexanone (26.4%) in excess of the 25% QC Limit. This compound was not on the target analyte list, however was detected and reported in some cases as a TIC. The continuing calibration standard run on 12/08/97 at 14:42 exhibited an %D from the initial average RRF for dichlorofluoromethane (25.2%) over the 25% QC limit. Results for 2-hexanone in RE-41ADL and for dichlorofluoromethane in RE-33A, RE-41A and RE-43A are considered estimated with positive results flagged "J" and non-detect results flagged "UJ".

SEMI-VOLATILES

- The following table lists blanks, blank contaminants and concentrations and associated samples. Sample results less than five times the highest associated sample concentration are negated.

Blank ID	Compound (concentration in µg/l)	Associated Samples
SBLK00	C9H14O isomer @ 5.76 (340J) unknown @ 5.95 (79J)	RE-41A, RE-43A

Blank ID	Compound (concentration in µg/l)	Associated Samples
	unknown @ 6.20 (190J)	
SBLK03	C6H12O2 isomer @ 4.70 (5J) unknown @ 5.40 (3J) unknown @ 5.75 (16J) unknown @ 6.16 (2J) unknown @ 6.19 (3J)	RE-54B, RE-55B, RE-58B, RE-58BDUP

- The surrogate recovery for nitrobenzene-d5 in sample RE-41A (162%) was over the 23% to 120% recovery QC limits. No qualification to the sample data is made if less than two surrogates for either the base/neutral or acid fraction are out of compliance.
- The medium level matrix spike/matrix spike duplicate analysis exhibited out-of-compliance recoveries and/or RPDs for pyrene, 1,2,4-trichlorobenzene and acenaphthene and the low level MS/MSD analysis exhibited out-of-compliance recoveries and RPD for acenaphthene. Both of these QC pairs were performed on non-site specific samples (batch QC) since no site specific sample for MS/MSD analysis was designated on the chain of custody. No qualification to the sample data is made based on out-of-compliance MS/MSD analysis of non-site specific samples.
- The continuing calibration standard run on 12/11/97 at 09:49 exhibited a %D for hexachlorocyclopentadiene (56.5%) over the 25% QC limit. The continuing calibration standard run on 12/12/97 at 14:41 exhibited %Ds for 3-nitroaniline (32.2%), 4-nitroaniline (67.9%) and 3,3'-dichlorobenzidine (32.0%) over the 25% QC limit. Results for hexachlorocyclopentadiene in sample RE-41A and for 3-nitroaniline, 4-nitroaniline and 3,3'-dichlorobenzidine in samples RE-54B, RE-55B, RE-58B and RE-58BDUP are considered estimated with positive results flagged "J" and non-detect results flagged "UJ."

Package Summary

The sample data are valid and useable with qualifications as noted in this review.

Reviewed: C. Brett Mongillo Dated: 3-8-98
 C. Brett Mongillo
 Senior Project Chemist

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-33A
ETL Sample Number: 179725-01
Client Name: ALPHA GEOSCIENCE
Project Name: STANDARD
% Solid: 90.4
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 08-DEC-97
Date Received: 08-DEC-97
Date Extracted:
Date Analyzed: 08-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0901.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropane	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179725-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethan	1.1		U
127-18-4	Tetrachloroethene	1.1	2.8	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloroprop	1.1		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-33A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG725

Matrix: (soil/water) SOIL Lab Sample ID: 179725-01

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0901

Level: (low/med) LOW Date Received: 12/08/97

% Moisture: not dec. 10 Date Analyzed: 12/08/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.71-23-8	1-Propanol	8.47	12.	J
2.				
3.				
4.				
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Volatile Organics Analysis Data Sheet
Form 1 VOA
8260

Client ID: RE-41A
 ETL Sample Number: 179725-02
 Client Name: ALPHA GEOSCIENCE
 Project Name: STANDARD
 % Solid: 89.6
 Matrix: 3 Soil/Sldg
 Sample Wt/Vol: 1g
 Level: LOW

Date Collected: 08-DEC-97
 Date Received: 08-DEC-97
 Date Extracted:
 Date Analyzed: 08-DEC-97
 Report Date: 12-JAN-98
 Column: DB-624
 Lab File Id: V0902.D
 Dilution Factor: 5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.6		U
108-86-1	Bromobenzene	5.6		U
74-97-5	Bromochloromethane	5.6		U
75-27-4	Bromodichloromethane	5.6		U
75-25-2	Bromoform	5.6		U
74-83-9	Bromomethane	5.6		U
104-51-8	n-Butylbenzene	5.6	450	U
135-98-8	sec-Butylbenzene	5.6		U
98-06-6	tert-Butylbenzene	5.6		U
56-23-5	Carbon tetrachloride	5.6		U
108-90-7	Chlorobenzene	5.6		U
75-00-3	Chloroethane	5.6		U
67-66-3	Chloroform	5.6		U
74-87-3	Chloromethane	5.6		U
95-49-8	2-Chlorotoluene	5.6		U
106-43-4	4-Chlorotoluene	5.6		U
124-48-1	Dibromochloromethane	5.6		U
106-93-4	1,2-Dibromoethane	5.6		U
74-95-3	Dibromomethane	5.6		U
95-50-1	1,2-Dichlorobenzene	5.6		U
541-73-1	1,3-Dichlorobenzene	5.6		U
106-46-7	1,4-Dichlorobenzene	5.6		U
75-71-8	Dichlorodifluoromethane	5.6		U
75-34-3	1,1-Dichloroethane	5.6		U
107-06-2	1,2-Dichloroethane	5.6		U
75-35-4	1,1-Dichloroethene	5.6		U
156-59-4	cis-1,2-Dichloroethene	5.6		U
156-60-5	trans-1,2-Dichloroethene	5.6		U
10061-01-5	cis-1,3-Dichloropropene	5.6		U
10061-02-6	trans-1,3-Dichloropropene	5.6		U
78-87-5	1,2-Dichloropropane	5.6		U
142-28-9	1,3-Dichloropropane	5.6		U
590-20-7	2,2-Dichloropropane	5.6		U
563-58-6	1,1-Dichloropropene	5.6		U
100-41-4	Ethylbenzene	5.6	10	U
87-68-3	Hexachlorobutadiene	5.6		U
98-82-8	Isopropyl benzene	5.6	20	U
99-87-6	4-Isopropyltoluene	5.6	88	U
75-09-2	Methylene chloride	5.6		U
91-20-3	Naphthalene	5.6	90	U
103-65-1	n-Propylbenzene	5.6	21	U
100-42-5	Styrene	5.6		U

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179725-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	5.6		U
108-67-8	1,3,5-Trimethylbenzene	5.6	560	E
79-34-5	1,1,2,2-Tetrachloroethan	5.6		U
127-18-4	Tetrachloroethene	5.6	100	
108-88-3	Toluene	5.6		U
87-61-6	1,2,3-Trichlorobenzene	5.6		U
120-82-1	1,2,4-Trichlorobenzene	5.6		U
71-55-6	1,1,1-Trichloroethane	5.6		U
79-00-5	1,1,2-Trichloroethane	5.6		U
79-01-6	Trichloroethene	5.6		U
75-69-4	Trichlorofluoromethane	5.6		U
96-18-4	1,2,3-Trichloropropane	5.6		U
95-63-6	1,2,4-Trimethylbenzene	5.6	880	E
75-01-4	Vinyl chloride	5.6		U
95-47-6	o-Xylene	5.6		U
108-38-3/106-42-3	m,p-Xylene	5.6	23	
96-12-8	1,2-Dibromo-3-chloroprop	5.6		U

See dilution

*CBM
3-6-98*

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-41A

Lab Name: ENVIROTEST LABORATORIES

Contract: 95141

Lab Code: 10142

Case No.:

SAS No.:

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-02

Sample wt/vol: 1.00 (g/ml) G

Lab File ID: V0902

Level: (low/med) LOW ^{11.4 ug}

Date Received: 12/08/97

% Moisture: not dec. 10

Date Analyzed: 12/08/97

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

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

Number TICs Found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.67-64-1	Acetone	5.25	12.	
2.	C10H22 isomer	21.68	5900.	J
3.	C10H20 isomer	21.96	8700.	J
4.	unknown alkane	22.77	8700.	J
5.	unknown alkane	24.04	12000.	J
6.	unknown alkane	24.62	10000.	J
7.	Unknown Hydrocarbon	24.72	7700.	J
8.	C10H14 isomer	25.74	15000.	J
9.	C10H14 isomer	26.04	8400.	J
10.	C10H14 isomer	26.21	6600.	J
11.	C10H22 isomer	26.50	5600.	J
12.	Unknown Hydrocarbon	27.30	6100.	J
13.	C10H12 isomer	28.30	8500.	J
14.				
15.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: RE-41ADL
 EnviroTest Lab No.: 179725-02DL
 Client Name: Alpha Geoscience
 Project Name: 95141
 % Solid: 89.6
 Matrix: Soil
 Sample Wt/Vol.: 4g
 Level: Med
 Soil Extract Volume: 10000ul

Date Collected: 12/8/97
 Date Received: 12/8/97
 Date Extracted:
 Date Analyzed: 12/9/97
 Report Date: 1/9/98
 Column: DB-624
 Lab File ID: V0908.D
 Dilution Factor: 1
 Soil Aliquot Volume: 100ul

CAS No.	Compound	Limit ug/kg	Conc ug/kg
75-71-8	Dichlorodifluoromethane	140.0	U
74-87-3	Chloromethane	140.0	U
74-83-9	Bromomethane	140.0	U
75-01-4	Vinyl Chloride	140.0	U
75-00-3	Chloroethane	140.0	U
75-69-4	Trichlorofluoromethane	140.0	U
75-09-2	Methylene Chloride	140.0	U
75-35-4	1,1-Dichloroethene	140.0	U
75-35-3	1,1-Dichloroethane	140.0	U
590-20-7	2,2-Dichloropropane	140.0	U
156-60-5	trans-1,2-Dichloroethene	140.0	U
156-59-4	cis-1,2-Dichloroethene	140.0	U
67-66-3	Chloroform	140.0	U
563-58-6	1,1-Dichloropropene	140.0	U
107-06-2	1,2-Dichloroethane	140.0	U
74-97-5	Bromochloromethane	140.0	U
71-55-6	1,1,1-Trichloroethane	140.0	U
56-23-5	Carbon Tetrachloride	140.0	U
74-95-3	Dibromomethane	140.0	U
75-27-4	Bromodichloromethane	140.0	U
78-87-5	1,2-Dichloropropane	140.0	U
10061-01-5	cis-1,3-Dichloropropene	140.0	U
79-01-6	Trichloroethene	140.0	U
71-43-2	Benzene	140.0	U
142-28-9	1,3-Dichloropropane	140.0	U
124-48-1	Dibromochloromethane	140.0	U
10061-02-6	trans-1,3-Dichloropropene	140.0	U
79-00-5	1,1,2-Trichloroethane	140.0	U
106-93-4	1,2-Dibromoethane	140.0	U
75-25-2	Bromoform	140.0	U
127-18-4	Tetrachloroethene	140.0	160.0
630-20-6	1,1,1,2-Tetrachloroethane	140.0	U
108-88-3	Toluene	140.0	U
108-90-7	Chlorobenzene	140.0	U
100-41-4	Ethylbenzene	140.0	U
100-42-5	Styrene	140.0	U
108-38-3/106-42-3	m,p-Xylene	140.0	100.0 J
95-47-6	o-Xylene	140.0	U

See 179725-02DL Analysis 3-6-98

FORM I - VOA

VOLATILE ORGANICS ANALYSIS DATA SHEET

Page 2

Client ID: RE-41ADL
 EnviroTest Lab No.: 179725-02DL
 Client Name: Alpha Geoscience
 Project Name: 95141
 % Solid: 89.6
 Matrix: Soil
 Sample Wt/Vol.: 4g
 Level: Med

Date Collected: 12/8/97
 Date Received: 12/8/97
 Date Extracted:
 Date Analyzed: 12/9/97
 Report Date: 1/9/98
 Column: DB-624
 Lab File ID: V0908.D
 Dilution Factor: 1

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
96-18-4	1,2,3-Trichloropropane	140.0	U
98-82-8	Isopropylbenzene	140.0	92.0 J
108-86-1	Bromobenzene	140.0	U
103-65-1	n-propylbenzene	140.0	88.0 J
79-34-5	1,1,2,2-Tetrachloroethane	140.0	U
95-49-8	2-Chlorotoluene	140.0	U
106-43-4	4-Chlorotoluene	140.0	U
108-67-8	1,3,5-Trimethylbenzene	140.0	1200.0
98-06-6	tert-Butylbenzene	140.0	U
95-63-6	1,2,4-Trimethylbenzene	140.0	2800.0
135-98-8	sec-Butylbenzene	140.0	U
541-73-1	1,3-Dichlorobenzene	140.0	U
99-87-6	4-Isopropyltoluene	140.0	170.0
106-46-7	1,4-Dichlorobenzene	140.0	U
95-50-1	1,2-Dichlorobenzene	140.0	U
104-51-8	n-Butylbenzene	140.0	1300.0
96-12-8	1,2-Dibromo-3-chloropropane	140.0	U
87-68-3	Hexachlorobutadiene	140.0	U
120-82-1	1,2,4-Trichlorobenzene	140.0	U
91-20-3	Naphthalene	140.0	U
87-61-6	1,2,3-Trichlorobenzene	140.0	U

USE THIS ONLY
 from 3-6-98

FORM I - VOA

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-43A
ETL Sample Number: 179725-03
Client Name: ALPHA GEOSCIENCE
Project Name: STANDARD
% Solid: 87.5
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 1g
Level: LOW

Date Collected: 08-DEC-97
Date Received: 08-DEC-97
Date Extracted:
Date Analyzed: 08-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0903.D
Dilution Factor: 5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.7		U
108-86-1	Bromobenzene	5.7		U
74-97-5	Bromochloromethane	5.7		U
75-27-4	Bromodichloromethane	5.7		U
75-25-2	Bromoform	5.7		U
74-83-9	Bromomethane	5.7		U
104-51-8	n-Butylbenzene	5.7	120	
135-98-8	sec-Butylbenzene	5.7	70	
98-06-6	tert-Butylbenzene	5.7		U
56-23-5	Carbon tetrachloride	5.7		U
108-90-7	Chlorobenzene	5.7		U
75-00-3	Chloroethane	5.7		U
67-66-3	Chloroform	5.7		U
74-87-3	Chloromethane	5.7		U
95-49-8	2-Chlorotoluene	5.7		U
106-43-4	4-Chlorotoluene	5.7		U
124-48-1	Dibromochloromethane	5.7		U
106-93-4	1,2-Dibromoethane	5.7		U
74-95-3	Dibromomethane	5.7		U
95-50-1	1,2-Dichlorobenzene	5.7		U
541-73-1	1,3-Dichlorobenzene	5.7		U
106-46-7	1,4-Dichlorobenzene	5.7		U
75-71-8	Dichlorodifluoromethane	5.7		U
75-34-3	1,1-Dichloroethane	5.7		U
107-06-2	1,2-Dichloroethane	5.7		U
75-35-4	1,1-Dichloroethene	5.7		U
156-59-4	cis-1,2-Dichloroethene	5.7	7.1	
156-60-5	trans-1,2-Dichloroethene	5.7		U
10061-01-5	cis-1,3-Dichloropropene	5.7		U
10061-02-6	trans-1,3-Dichloropropene	5.7		U
78-87-5	1,2-Dichloropropane	5.7		U
142-28-9	1,3-Dichloropropane	5.7		U
590-20-7	2,2-Dichloropropane	5.7		U
563-58-6	1,1-Dichloropropene	5.7		U
100-41-4	Ethylbenzene	5.7	11	
87-68-3	Hexachlorobutadiene	5.7		U
98-82-8	Isopropyl benzene	5.7	28	
99-87-6	4-Isopropyltoluene	5.7	36	
75-09-2	Methylene chloride	5.7		U
91-20-3	Naphthalene	5.7	94	
103-65-1	n-Propylbenzene	5.7	45	
100-42-5	Styrene	5.7		U

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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179725-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	5.7		U
108-67-8	1,3,5-Trimethylbenzene	5.7	76	
79-34-5	1,1,2,2-Tetrachloroethan	5.7		U
127-18-4	Tetrachloroethene	5.7	50	
108-88-3	Toluene	5.7		U
87-61-6	1,2,3-Trichlorobenzene	5.7		U
120-82-1	1,2,4-Trichlorobenzene	5.7		U
71-55-6	1,1,1-Trichloroethane	5.7		U
79-00-5	1,1,2-Trichloroethane	5.7		U
79-01-6	Trichloroethene	5.7	12	
75-69-4	Trichlorofluoromethane	5.7		U
96-18-4	1,2,3-Trichloropropane	5.7		U
95-63-6	1,2,4-Trimethylbenzene	5.7	250	
75-01-4	Vinyl chloride	5.7		U
95-47-6	o-Xylene	5.7		U
108-38-3/106-42-3	m, p-Xylene	5.7	8.7	
96-12-8	1,2-Dibromo-3-chloroprop	5.7		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-43A

Lab Name: ENVIROTEST LABORATORIES

Contract: 95141

Lab Code: 10142

Case No.:

SAS No.:

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-03

Sample wt/vol: 5.00 (g/ml) G

Lab File ID: V0903

Level: (low/med) LOW

Date Received: 12/08/97

% Moisture: not dec. 12

Date Analyzed: 12/08/97

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 5.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

Number TICs Found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C10H14 isomer	25.68	1200.	J
2.	C10H14 isomer	25.98	1000.	J
3.	Ethyl dimethyl benzene isomer	26.18	700.	J
4.	C10H12 isomer	27.90	700.	J
5.	C10H12 isomer	28.29	2200.	J
6.	C13H28 isomer	28.69	2500.	J
7.	Tetrahydronaphthalene isomer	30.07	660.	J
8.	Unknown CnH2n+2	30.17	860.	J
9.	C11H14 isomer	30.30	770.	J
10.	C11H14 isomer	31.27	2000.	J
11.	Tetrahydronaphthalene isomer	32.09	670.	J
12.	C11H10 isomer	32.56	1300.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-47A
ETL Sample Number: 179778-01
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 85.0
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 09-DEC-97
Date Received: 09-DEC-97
Date Extracted:
Date Analyzed: 09-DEC-97
Report Date: 12-JAN-98
Column: DB-624
Lab File Id: V0920.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2	18	
135-98-8	sec-Butylbenzene	1.2	13	
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2	23	
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2	.8	J
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2	3.5	
99-87-6	4-Isopropyltoluene	1.2	4.1	
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2	5.2	
100-42-5	Styrene	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179778-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2	7.4	
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	49	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	14	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2	18	
75-01-4	Vinyl chloride	1.2	1.2	
95-47-6	o-Xylene	1.2	1.2	
108-38-3/106-42-3	m,p-Xylene	1.2	.8	J
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-47A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG725

Matrix: (soil/water) SOIL Lab Sample ID: 179778-01

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0920

Level: (low/med) LOW Date Received: 12/09/97

% Moisture: not dec. 15 Date Analyzed: 12/11/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 22 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	5.28	4.	
2.	Unknown C _n H _{2n+2}	25.64	360.	J
3.	Unknown C _n H _{2n+2}	28.32	510.	J
4.	Unknown C _n H _{2n+2}	28.69	310.	J
5.	C ₁₁ H ₁₄ isomer	29.46	140.	J
6.	Unknown C _n H _{2n}	29.74	220.	J
7.	Unknown C _n H _{2n+2}	30.17	210.	J
8.	Unknown C _n H _{2n+2}	30.82	280.	J
9.	Tetrahydronaphthalene isomer	31.27	340.	J
10.	Unknown	31.75	140.	J
11.	Tetrahydronaphthalene isomer	32.08	180.	J
12.	C ₁₂ H ₁₆ isomer	32.54	230.	J
13.	C ₁₂ H ₁₆ isomer	32.68	170.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
8250

Client ID: RE-49A
ETL Sample Number: 179778-02

Date Collected: 09-DEC-97

Date Received: 09-DEC-97

Client Name: ALPHA GEOSCIENCE

Date Extracted:

Project Name: 95141

Date Analyzed: 09-DEC-97

% Solid: 87.9

Report Date: 12-JAN-98

Matrix: 3 Soil/Sldg

Column: DB-624

Sample Wt/Vol: 1g

Lab File Id: V0913.D

Level: LOW

Dilution Factor: 5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.7		U
108-86-1	Bromobenzene	5.7		U
74-97-5	Bromochloromethane	5.7		U
75-27-4	Bromodichloromethane	5.7		U
75-25-2	Bromoform	5.7		U
74-83-9	Bromomethane	5.7		U
104-51-8	n-Butylbenzene	5.7	41	
135-98-8	sec-Butylbenzene	5.7	31	
98-06-6	tert-Butylbenzene	5.7		U
56-23-5	Carbon tetrachloride	5.7		U
108-90-7	Chlorobenzene	5.7		U
75-00-3	Chloroethane	5.7		U
67-66-3	Chloroform	5.7		U
74-87-3	Chloromethane	5.7		U
95-49-8	2-Chlorotoluene	5.7		U
106-43-4	4-Chlorotoluene	5.7		U
124-48-1	Dibromochloromethane	5.7		U
106-93-4	1,2-Dibromoethane	5.7		U
74-95-3	Dibromomethane	5.7		U
95-50-1	1,2-Dichlorobenzene	5.7		U
541-73-1	1,3-Dichlorobenzene	5.7		U
106-46-7	1,4-Dichlorobenzene	5.7		U
75-71-8	Dichlorodifluoromethane	5.7		U
75-34-3	1,1-Dichloroethane	5.7		U
107-06-2	1,2-Dichloroethane	5.7		U
75-35-4	1,1-Dichloroethene	5.7		U
156-59-4	cis-1,2-Dichloroethene	5.7	8.9	
156-60-5	trans-1,2-Dichloroethene	5.7		U
10061-01-5	cis-1,3-Dichloropropene	5.7		U
10061-02-6	trans-1,3-Dichloropropene	5.7		U
78-87-5	1,2-Dichloropropane	5.7		U
142-28-9	1,3-Dichloropropane	5.7		U
590-20-7	2,2-Dichloropropane	5.7		U
563-58-6	1,1-Dichloropropene	5.7		U
100-41-4	Ethylbenzene	5.7		U
87-68-3	Hexachlorobutadiene	5.7		U
98-82-8	Isopropyl benzene	5.7		U
99-87-6	4-Isopropyltoluene	5.7	6.1	
75-09-2	Methylene chloride	5.7		U
91-20-3	Naphthalene	5.7		U
103-65-1	n-Propylbenzene	5.7	5.6	J
100-42-5	Styrene	5.7		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179778-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	5.7		U
108-67-8	1,3,5-Trimethylbenzene	5.7	4.5	J
79-34-5	1,1,2,2-Tetrachloroethane	5.7		U
127-18-4	Tetrachloroethene	5.7	120	
108-88-3	Toluene	5.7		U
87-61-6	1,2,3-Trichlorobenzene	5.7		U
120-82-1	1,2,4-Trichlorobenzene	5.7		U
71-55-6	1,1,1-Trichloroethane	5.7		U
79-00-5	1,1,2-Trichloroethane	5.7		U
79-01-6	Trichloroethene	5.7	10	
75-69-4	Trichlorofluoromethane	5.7		U
96-18-4	1,2,3-Trichloropropane	5.7		U
95-63-6	1,2,4-Trimethylbenzene	5.7	14	
75-01-4	Vinyl chloride	5.7		U
95-47-6	o-Xylene	5.7		U
108-38-3/106-42-3	m,p-Xylene	5.7		U
96-12-8	1,2-Dibromo-3-chloropropane	5.7		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-54A
ETL Sample Number: 179897-01
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 84.1
Matrix: 3 Soil/Slidg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 11-DEC-97
Date Received: 11-DEC-97
Date Extracted:
Date Analyzed: 11-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0923.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2		U
100-42-5	Styrene	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179897-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	16	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	1.6	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
75-01-4	Vinyl chloride	1.2		U
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-54A

Lab Name: ENVIROTEST LABORATORIES

Contract: 95141

Lab Code: 10142

Case No.:

SAS No.:

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179897-01

Sample wt/vol: 5.00 (g/ml) G

Lab File ID: V0923

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: not dec. 16

Date Analyzed: 12/11/97

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

Number TICs Found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-55A
ETL Sample Number: 179897-03
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 92.1
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 11-DEC-97
Date Received: 11-DEC-97
Date Extracted:
Date Analyzed: 11-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0924.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
 Form I VOA
 8260

Results are continued from the previous page for 179897-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	1.8	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	1.1	
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-55A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG725

Matrix: (soil/water) SOIL Lab Sample ID: 179897-03

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0924

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. 8 Date Analyzed: 12/11/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-58A
ETL Sample Number: 179897-05
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 85.6
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 11-DEC-97
Date Received: 11-DEC-97
Date Extracted:
Date Analyzed: 11-DEC-97
Report Date: 09-JAN-98
Column: DB-624
Lab File Id: V0926.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2	3.1	
135-98-8	sec-Butylbenzene	1.2	2.4	
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2	5.8	
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2	.9	J
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2	2.2	
103-65-1	n-Propylbenzene	1.2	.7	J
100-42-5	Styrene	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179897-05

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethan	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2	1.3	
79-34-5	1,1,2,2-Tetrachloroethan	1.2		U
127-18-4	Tetrachloroethene	1.2	8.3	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	2.6	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2	4.2	
75-01-4	Vinyl chloride	1.2	3.2	
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2	.8	J
96-12-8	1,2-Dibromo-3-chloroprop	1.2		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-58A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG725

Matrix: (soil/water) SOIL Lab Sample ID: 179897-05

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0926

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. 14 Date Analyzed: 12/11/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	25.66	19.	J
2.	C10H12 isomer	28.28	49.	J
3.	Tetrahydronaphthalene isomer	28.67	20.	J
4.	C11H16 isomer	29.23	21.	J
5.	Tetrahydronaphthalene isomer	30.05	20.	J
6.	Tetrahydronaphthalene isomer	31.26	64.	J
7.	Unknown	31.75	19.	J
8.	Tetrahydronaphthalene isomer	32.08	31.	J
9.	C12H16 isomer	32.54	59.	J
10.	C12H16 isomer	32.70	29.	J
11.	Methylnaphthalene isomer	33.01	20.	J
12.	C12H16 isomer	33.18	23.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-58A DUP	Date Collected: 11-DEC-97
ETL Sample Number: 179897-07	Date Received: 11-DEC-97
Client Name: ALPHA GEOSCIENCE	Date Extracted:
Project Name: 95141	Date Analyzed: 11-DEC-97
% Solid: 85.7	Report Date: 12-JAN-98
Matrix: 3 Soil/Sldg	Column: DB-624
Sample Wt/Vol: 5g	Lab File Id: V0927.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2	6.4	
135-98-8	sec-Butylbenzene	1.2	4.8	
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2	4.5	
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2	.9	J
99-87-6	4-Isopropyltoluene	1.2	1.1	J
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2	2.9	
103-65-1	n-Propylbenzene	1.2	1.4	
100-42-5	Styrene	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179897-07

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2	1.3	
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	8.4	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2	3.1	
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2	4.7	
75-01-4	Vinyl chloride	1.2	2.2	
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-58A DUP

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG725

Matrix: (soil/water) SOIL Lab Sample ID: 179897-07

Sample wt/vol: 5.00 (g/ml) G Lab File ID: V0927

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: not dec. 14 Date Analyzed: 12/11/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

Number TICs Found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Methylpropylbenzene isomer	25.68	38.	J
2.	C10H12 isomer	28.28	66.	J
3.	C11H16 isomer	29.23	46.	J
4.	Tetrahydronaphthalene isomer	30.05	43.	J
5.	Dihydrodimethylindene isomer	30.80	34.	J
6.	C11H14 isomer	31.26	120.	J
7.	Unknown	31.75	37.	J
8.	Tetrahydronaphthalene isomer	32.08	61.	J
9.	C12H16 isomer	32.54	110.	J
10.	C12H16 isomer	32.69	59.	J
11.	C12H16 isomer	33.19	37.	J
12.	Methylpropylbenzene isomer	25.12	35.	J
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1/12/98
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-41A

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-02

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

Lab File ID: S7001

Level: (low/med) LOW

Date Received: 12/08/97

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/10/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 6.7

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	n-Nitrosodimethylamine	3700.	U
111-44-4	bis(2-Chloroethyl) ether	3700.	U
541-73-1	1,3-Dichlorobenzene	3700.	U
106-46-7	1,4-Dichlorobenzene	3700.	U
95-50-1	1,2-Dichlorobenzene	3700.	U
100-57-6	Benzyl alcohol	3700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3700.	U
67-72-1	Hexachloroethane	3700.	U
621-64-7	N-Nitroso-di-n-propylamine	3700.	U
989-53-0	Nitrobenzene	3700.	U
78-59-1	Isophorone	3700.	U
111-91-1	bis(2-Chloroethoxy)methane	3700.	U
120-82-1	1,2,4-Trichlorobenzene	3700.	U
91-20-3	Naphthalene	3700.	U
106-47-8	4-Chloroaniline	3700.	U
87-68-3	Hexachlorobutadiene	3700.	U
91-57-6	2-Methylnaphthalene	4800.	U
77-47-4	Hexachlorocyclopentadiene	3700.	U J
91-58-7	2-Chloronaphthalene	3700.	U
88-74-4	2-Nitroaniline	9300.	U
208-96-8	Acenaphthylene	3700.	U
131-11-3	Dimethylphthalate	3700.	U
606-20-2	2,6-Dinitrotoluene	3700.	U
83-32-9	Acenaphthene	3700.	U
99-09-2	3-Nitroaniline	9300.	U
132-64-9	Dibenzofuran	3700.	U
121-14-2	2,4-Dinitrotoluene	3700.	U
86-73-7	Fluorene	4400.	U
7005-72-3	4-Chlorophenyl-phenylether	3700.	U
84-66-2	Diethylphthalate	3700.	U
100-01-6	4-Nitroaniline	9300.	U
86-30-6	n-Nitrosodiphenylamine (1)	3700.	U
101-55-3	4-Bromophenyl-phenylether	3700.	U

CBM
3-6-98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-41A

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-02

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

Lab File ID: S7001

Level: (low/med) LOW

Date Received: 12/08/97

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/10/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 6.7

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
118-74-1-----	Hexachlorobenzene	3700.	U
85-01-8-----	Phenanthrene	5700.	
120-12-7-----	Anthracene	1000.	J
84-74-2-----	Di-n-butylphthalate	3700.	U
206-44-0-----	Fluoranthene	410.	J
129-00-0-----	Pyrene	2300.	J
85-68-7-----	Butylbenzylphthalate	3700.	U
91-94-1-----	3,3'-Dichlorobenzidine	7400.	U
56-55-3-----	Benzo(a)anthracene	3700.	U
218-01-9-----	Chrysene	3700.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	3700.	U
117-84-0-----	Di-n-Octylphthalate	3700.	U
205-99-2-----	Benzo(b)fluoranthene	3700.	U
207-08-9-----	Benzo(k)fluoranthene	3700.	U
50-32-8-----	Benzo(a)pyrene	3700.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	3700.	U
53-70-3-----	Dibenz(a,h)anthracene	3700.	U
191-24-2-----	Benzo(g,h,i)perylene	3700.	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-41A

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-02

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

Lab File ID: S7001

Level: (low/med) LOW

Date Received: 12/08/97

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/10/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 6.7

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

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n	6.41	3100.	J
2.	2847-72-5 Decane, 4-methyl-	7.26	3600.	J
3.	C10H14 isomer	7.81	3500.	J
4.	Unknown CnH2n+2	7.95	10000.	J
5.	Unknown alkane	8.72	4000.	J
6.	Unknown alkane	9.15	6000.	J
7.	Unknown alkane	9.31	3000.	J
8.	Undecane, -dimethyl-isomer	9.86	4900.	J
9.	Unknown	10.04	3200.	J
10.	Unknown Cyclohexane	10.26	2300.	J
11.	Unknown CnH2n	11.53	2700.	J
12.	C12H16 isomer	12.11	2700.	J
13.	Unknown alkane	12.76	7400.	J
14.	Naphthalene, -trimethyl-isome	13.60	2400.	J
15.	Naphthalene, -trimethyl-isome	13.83	5300.	J
16.	Unknown alkane	14.67	4900.	J
17.	Unknown alkane	15.23	10000.	J
18.	Phenanthrene, -trimethy-isome	19.13	6100.	J
19.	Phenanthrene, -trimethy-isome	19.20	6900.	J
20.	C18H18 isomer	20.27	3200.	J
21.				
22.				
23.				
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30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-43A

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-03

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

Lab File ID: S6995

Level: (low/med) LOW

Date Received: 12/08/97

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/10/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/11/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.9

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

62-75-9-----n-Nitrosodimethylamine	380.	U
111-44-4-----bis(2-Chloroethyl) ether	380.	U
541-73-1-----1,3-Dichlorobenzene	380.	U
106-46-7-----1,4-Dichlorobenzene	380.	U
95-50-1-----1,2-Dichlorobenzene	380.	U
100-57-6-----Benzyl alcohol	380.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	380.	U
67-72-1-----Hexachloroethane	380.	U
621-64-7-----N-Nitroso-di-n-propylamine	380.	U
989-53-0-----Nitrobenzene	380.	U
78-59-1-----Isophorone	380.	U
111-91-1-----bis(2-Chloroethoxy)methane	380.	U
120-82-1-----1,2,4-Trichlorobenzene	380.	U
91-20-3-----Naphthalene	50.	J
106-47-8-----4-Chloroaniline	380.	U
87-68-3-----Hexachlorobutadiene	380.	U
91-57-6-----2-Methylnaphthalene	260.	J
77-47-4-----Hexachlorocyclopentadiene	380.	U
91-58-7-----2-Chloronaphthalene	380.	U
88-74-4-----2-Nitroaniline	960.	U
208-96-8-----Acenaphthylene	380.	U
131-11-3-----Dimethylphthalate	380.	U
606-20-2-----2,6-Dinitrotoluene	380.	U
83-32-9-----Acenaphthene	380.	U
99-09-2-----3-Nitroaniline	960.	U
132-64-9-----Dibenzofuran	380.	U
121-14-2-----2,4-Dinitrotoluene	380.	U
86-73-7-----Fluorene	85.	J
7005-72-3-----4-Chlorophenyl-phenylether	380.	U
84-66-2-----Diethylphthalate	380.	U
100-01-6-----4-Nitroaniline	960.	U
86-30-6-----n-Nitrosodiphenylamine (1)	60.	J
101-55-3-----4-Bromophenyl-phenylether	380.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-43A

Lab Name: ENVIROTEST LABS INC Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG725

Matrix: (soil/water) SOIL Lab Sample ID: 179725-03

Sample wt/vol: 30.0 (g/ml) G Lab File ID: S6995

Level: (low/med) LOW Date Received: 12/08/97

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/10/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/11/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

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

118-74-1-----Hexachlorobenzene	380.	U
85-01-8-----Phenanthrene	200.	J
120-12-7-----Anthracene	47.	J
84-74-2-----Di-n-butylphthalate	380.	U
206-44-0-----Fluoranthene	380.	U
129-00-0-----Pyrene	41.	J
85-68-7-----Butylbenzylphthalate	380.	U
91-94-1-----3,3'-Dichlorobenzidine	770.	U
56-55-3-----Benzo(a)anthracene	380.	U
218-01-9-----Chrysene	380.	U
117-81-7-----bis(2-Ethylhexyl)phthalate	88.	J
117-84-0-----Di-n-Octylphthalate	380.	U
205-99-2-----Benzo(b)fluoranthene	380.	U
207-08-9-----Benzo(k)fluoranthene	380.	U
50-32-8-----Benzo(a)pyrene	380.	U
193-39-5-----Indeno(1,2,3-cd)pyrene	380.	U
53-70-3-----Dibenz(a,h)anthracene	380.	U
191-24-2-----Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-43A

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG725

Matrix: (soil/water) SOIL

Lab Sample ID: 179725-03

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

Lab File ID: S6995

Level: (low/med) LOW

Date Received: 12/08/97

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 12/10/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/11/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.9

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

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.76	310.	J
2.	C9H12 isomer	6.93	310.	J
3.	C10H12 isomer	9.10	320.	J
4.	Unknown alkane	10.56	370.	J
5.	Naphthalene, -methyl-isomer	11.19	310.	J
6.	C12H16 isomer	11.26	310.	J
7.	C9H18 isomer	11.47	440.	J
8.	C12H16 isomer	12.07	390.	J
9.	C12H12 isomer	12.13	370.	J
10.	Naphthalene, -dimethyl-isomer	12.28	470.	J
11.	Naphthalene, -dimethyl-isomer	12.42	540.	J
12.	Naphthalene, -dimethyl-isomer	12.47	360.	J
13.	Naphthalene, -dimethyl-isomer	12.65	330.	J
14.	Unknown alkane	12.70	580.	J
15.	Naphthalene, -trimethyl-isome	13.34	390.	J
16.	Naphthalene, -trimethyl-isome	13.54	390.	J
17.	Naphthalene, -trimethyl-isome	13.62	350.	J
18.	Naphthalene, -trimethyl-isome	13.77	520.	J
19.	Unknown alkane	14.61	320.	J
20.	Unknown alkane	15.14	570.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-54B

Lab Name: ENVIROTEST LABS INC Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG897

Matrix: (soil/water) WATER Lab Sample ID: 179897-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7012

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

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

62-75-9-----n-Nitrosodimethylamine	10.	U
111-44-4-----bis(2-Chloroethyl) ether	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
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy)methane	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
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U J
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U J
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

CBM
3-6-98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-54B

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-02

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

Lab File ID: S7012

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	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	20.	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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-54B

Lab Name: ENVIROTEST LABS INC Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG897

Matrix: (soil/water) WATER Lab Sample ID: 179897-02

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7012

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

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

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 637-78-5	Propanoic acid, 1-methylethy	3.53	19.	J
2.	C7H14O2 isomer	4.05	9.	J
3. 105-54-4	Butanoic acid, ethyl ester	4.11	7.	J
4. 106-36-5	Propanoic acid, propyl ester	4.22	4.	J
5.	C6H12O2 isomer	4.29	8.	J
6.	C7H14O2 isomer	4.67	180.	J
7.	C9H14O isomer	5.75	12.	J
8.	Unknown	5.95	3.	J
9.	Unknown	6.17	4.	J
10.	Unknown	6.20	6.	J
11.	Unknown	6.27	4.	J
12.				
13.				
14.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-55B

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-04

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

Lab File ID: S7013

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

62-75-9-----n-Nitrosodimethylamine	10.	U
111-44-4-----bis(2-Chloroethyl) ether	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
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy)methane	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
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U J
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U J
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

CBM
3-6-98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-55B

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-04

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

Lab File ID: S7013

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	10.	U
120-12-7-----Anthracene	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	20.	U ^J
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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-55B

Lab Name: ENVIROTEST LABS INC Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG897

Matrix: (soil/water) WATER Lab Sample ID: 179897-04

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7013

Level: (low/med) LOW Date Received: 12/11/97

% Moisture: decanted: (Y/N) Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H12O2 isomer	3.53	21.	J
2.	C7H14O2 isomer	4.04	10.	J
3.	C6H12O2 isomer	4.11	10.	J
4.	106-36-5 Propanoic acid, propyl ester	4.23	4.	J
5.	123-86-4 Acetic acid, butyl ester	4.29	6.	J
6.	C7H14O2 isomer	4.68	190.	J
7.	Unknown	5.76	12.	J
8.	Unknown	5.95	3.	J
9.	Unknown	6.17	3.	J
10.	Unknown	6.20	6.	J
11.	Unknown	6.27	4.	J
12.				
13.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58B

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-06

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

Lab File ID: S7014

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

CAS NO.

COMPOUND

Q

62-75-9-----n-Nitrosodimethylamine	10.	U
111-44-4-----bis(2-Chloroethyl) ether	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
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy)methane	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
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U J
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U J
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

CBM
3-6-98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58B

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-06

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

Lab File ID: S7014

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	1.	J
120-12-7-----Anthracene	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	20.	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-Octylphthalate	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

EPA SAMPLE NO.

RE-58B

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-06

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

Lab File ID: S7014

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H12O2 isomer	3.53	20.	J
2.	C7H14O2 isomer	4.05	9.	J
3.	C6H12O2 isomer	4.11	9.	J
4.106-36-5	Propanoic acid, propyl ester	4.22	4.	J
5.	C6H12O2 isomer	4.29	7.	J
6.	C7H14O2 isomer	4.67	180.	J
7.	Unknown	5.75	13.	J
8.	C6H12 isomer	5.94	3.	J
9.	Unknown	6.17	4.	J
10.	Unknown	6.19	6.	J
11.	Unknown	6.28	4.	J
12.	C12H16 isomer	11.24	2.	J
13.	C12H12 isomer	12.26	3.	J
14.	Naphthalene, -dimethyl-isomer	12.40	5.	J
15.	Naphthalene, -dimethyl-isomer	12.46	3.	J
16.	Naphthalene, -trimethyl-isome	13.52	2.	J
17.	C13H12 isomer	14.30	2.	J
18.				
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30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58BDUP

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-08

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

Lab File ID: S7015

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl) ether	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
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy) methane	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
91-57-6	2-Methylnaphthalene	1.	J
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U J
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

CBM
3-le-98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RE-58BDUP

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-08

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

Lab File ID: S7015

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	1.	J
120-12-7-----Anthracene	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	20.	U J
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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-58BDUP

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG897

Matrix: (soil/water) WATER

Lab Sample ID: 179897-08

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

Lab File ID: S7015

Level: (low/med) LOW

Date Received: 12/11/97

% Moisture: decanted: (Y/N)

Date Extracted: 12/12/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/12/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C6H12O2 isomer	3.52	17.	J
2.	C7H14O2 isomer	4.04	8.	J
3.	Unknown	4.10	6.	J
4.	Unknown	4.21	4.	J
5.	C6H12O2 isomer	4.28	5.	J
6.	C7H14O2 isomer	4.66	190.	J
7.	C9H14O isomer	5.75	12.	J
8.	C4H6O isomer	5.94	3.	J
9.	Unknown	6.16	4.	J
10.	C10H20 isomer	6.19	3.	J
11.	C11H14 isomer	10.89	2.	J
12.	C12H16 isomer	11.24	3.	J
13.	Naphthalene, -dimethyl-isomer	12.26	3.	J
14.	Naphthalene, -dimethyl-isomer	12.40	5.	J
15.	Naphthalene, -dimethyl-isomer	12.46	3.	J
16.	C13H14 isomer	13.32	2.	J
17.	Naphthalene, -trimethyl-isome	13.52	2.	J
18.	C13H12 isomer	14.30	2.	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

**DATA VALIDATION REPORT
SOIL SAMPLE ANALYSES
NEW PALTZ PLAZA SITE
ALPHA GEOSCIENCE PROJECT NO. 95141
ETL PROJECT NOs. 180782**

Deliverables

The above referenced Data Summary Package and Sample Data Package contain all required deliverables as stipulated under the United States Environmental Protection Agency (USEPA) Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846) and reported with New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (ASP) Superfund Category B deliverables for Target Compound List (TCL) Volatile Organic Compounds (VOC) analyses performed by USEPA Methods 8260, plus a library search of the mass spectra of the 10 largest VOC reported as "tentatively identified compounds" (TICs). The data have been validated according to procedures described in the quality assurance sections of SW-846, the USEPA National Functional Guidelines for Organic Data Review (February 1994), and the data reviewer's professional judgment.

The validation report pertains to the following samples:

Samples

MW-7, S-4(6'-8')
MW-8, S-5(8'-10')
MW-9, S-4(8'-10')

QC Samples

MW-9, S-4(8'-10')DUP(field duplicate)
MW-7, S-4(6'-8')MS/MSD(matrix spike/duplicate)

The following items/criteria were reviewed for this report:

- Quantitation/detection limits
- Holding times and sample preservation
- GC/MS tuning and performance
- Initial and continuing calibration data
- Procedural blank data
- Internal standard areas, retention times, summary and data
- Surrogate recoveries, summary and data
- MS/MSD recoveries, summary and data
- Field duplicate data
- Mass spectra and data system printouts
- Qualitative and quantitative compound identification
- Case narrative and deliverables compliance

Note that there are not many referenceable QC limits published for field duplicate analyses. The USEPA Region II "Standard Operating Procedure (SOP) for

Evaluation of Metals Data for the Contract Laboratory Program (CLP) based on SOW 3/90, revision XI" is the published source used for organics for this review. Results are compared on a raw-data basis to remove differences based on percent moisture. Organic field duplicate results are compared only for target compounds and only for concentrations greater than the contract required quantitation limits (CRQL). For soil samples, the QC limit used is 100% relative percent difference.

The items listed above were technically and contractually in compliance with USEPA SW-846 protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

VOLATILES

- The method blank associated with all samples in this data package exhibited 5.7 µg/l of 1-propanol which was reported as a TIC. All sample results for 1-propanol less than five times this method blank concentration are negated.

Package Summary

The sample data are valid and useable with qualifications as noted in this review.

Reviewed: C. Brett Mongillo Dated: 3-8-98
C. Brett Mongillo
Senior Project Chemist

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: MW-7 S-4 (6'-8')
 EnviroTest Lab No.: 180782-01
 Client Name: Alpha Geoscience
 Project Name: 95141
 % Solid: 89.1
 Matrix: Soil
 Sample Wt/Vol.: 5 g
 Level: Low
 Soil Extract Volume: ul

Date Collected: 1/9/98
 Date Received: 1/9/98
 Date Extracted:
 Date Analyzed: 1/16/98
 Report Date: 3/5/98
 Column: DB-624
 Lab File ID: V1163.D
 Dilution Factor: 1
 Soil Aliquot Volume: ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
74-83-9	Bromomethane	1.1	U
75-01-4	Vinyl Chloride	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-09-2	Methylene Chloride	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
75-35-3	1,1-Dichloroethane	1.1	U
590-20-7	2,2-Dichloropropane	1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	U
156-59-4	cis-1,2-Dichloroethene	1.1	1.1 J
67-66-3	Chloroform	1.1	U
563-58-6	1,1-Dichloropropene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U
74-97-5	Bromochloromethane	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
56-23-5	Carbon Tetrachloride	1.1	U
74-95-3	Dibromomethane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
79-01-6	Trichloroethene	1.1	4.3
71-43-2	Benzene	1.1	U
142-28-9	1,3-Dichloropropane	1.1	U
124-48-1	Dibromochloromethane	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
75-25-2	Bromoform	1.1	U
127-18-4	Tetrachloroethene	1.1	17.0
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U
108-88-3	Toluene	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
100-42-5	Styrene	1.1	U
108-38-3/106-42-3	m,p-Xylene	1.1	U
95-47-6	o-Xylene	1.1	U

FORM I - VOA



VOLATILE ORGANICS ANALYSIS DATA SHEET

Page 2

Client ID: MW-7 S-4 (6'-8')
EnviroTest Lab No.: 180782-01
Client Name: Alpha Geoscience
Project Name: 95141
% Solid: 89.1
Matrix: Soil
Sample Wt/Vol.: 5 g
Level: Low
Soil Extract Volume: 1 ul

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 3/5/98
Column: DB-624
Lab File ID: V1163.D
Dilution Factor: 1
Soil Aliquot Volume: 1 ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
96-18-4	1,2,3-Trichloropropane	1.1	U
98-82-8	Isopropylbenzene	1.1	U
108-86-1	Bromobenzene	1.1	U
103-65-1	n-propylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
95-49-8	2-Chlorotoluene	1.1	U
106-43-4	4-Chlorotoluene	1.1	U
108-67-8	1,3,5-Trimethylbenzene	1.1	U
98-06-6	tert-Butylbenzene	1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	U
135-98-8	sec-Butylbenzene	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
99-87-6	4-Isopropyltoluene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
104-51-8	n-Butylbenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
87-61-6	1,2,3-Trichlorobenzene	1.1	U

FORM I - VOA



315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: MW-8 S-5 (8'-10')	Date Collected: 09-JAN-98
ETL Sample Number: 180782-02	Date Received: 09-JAN-98
Client Name: ALPHA GEOSCIENCE	Date Extracted:
Project Name: 95141	Date Analyzed: 16-JAN-98
% Solid: 85.7	Report Date: 30-JAN-98
Matrix: 3 Soil/Sldg	Column: DB-624
Sample Wt/Vol: 5g	Lab File Id: V1167.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2		U
100-42-5	Styrene	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 180782-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2	5	
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2		U
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
75-01-4	Vinyl chloride	1.2		U
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: MW-9 S-4 (8'-10')
ETL Sample Number: 180782-03
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 87.3
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 09-JAN-98
Date Received: 09-JAN-98
Date Extracted:
Date Analyzed: 16-JAN-98
Report Date: 30-JAN-98
Column: DB-624
Lab File Id: V1165.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1	73	U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 180782-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	150	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	25	
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID: MW-9 S-4 (8'-10')
EnviroTest Lab No.: 180782-03
Client Name: Alpha Geosciences
Project Name: 95141
% Solid: 85.7
Matrix: Soil
Sample Wt/Vol.: 5g
Level: Low

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 1/30/98
Column: DB-624
Lab File ID: V1165.D
Dilution Factor: 1

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg
71-23-8	1-Propanol	8.45	16.0
	C. B. M		
	3-7-98		

FORM I - VOA

Volatile Organics Analysis Data Sheet
Form I VOA
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Client ID: MW-9 S-4 (8'-10')(DUPE)	Date Collected: 09-JAN-98
ETL Sample Number: 180782-04	Date Received: 09-JAN-98
Client Name: ALPHA GEOSCIENCE	Date Extracted:
Project Name: 95141	Date Analyzed: 16-JAN-98
% Solid: 87.8	Report Date: 30-JAN-98
Matrix: 3 Soil/Sldg	Column: DB-624
Sample Wt/Vol: 5g	Lab File Id: V1166.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1	66	U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 180782-04

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	140	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	21	
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client ID: MW-9 S-4 (8'-10') (Dupe)
EnviroTest Lab No.: 180782-04
Client Name: Alpha Geosciences
Project Name: 95141
% Solid: 87.8
Matrix: Soil
Sample Wt/Vol: 5g
Level: Low

Date Collected: 1/9/98
Date Received: 1/9/98
Date Extracted:
Date Analyzed: 1/16/98
Report Date: 1/30/98
Column: DB-624
Lab File ID: V1166.D
Dilution Factor: 1

CAS No.	Compound	RT or Scan Number	Estimated Conc. ug/kg
NONE FOUND			

FORM I - VOA

**DATA VALIDATION REPORT
SOIL SAMPLE ANALYSES
NEW PALTZ PLAZA SITE
ALPHA GEOSCIENCE PROJECT NO. 95141
ETL PROJECT NOs. 179557, 179654**

Deliverables

The above referenced Data Summary Package and Sample Data Package contain all required deliverables as stipulated under the United States Environmental Protection Agency (USEPA) Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846) and reported with New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (ASP) Superfund Category B deliverables for Target Compound List (TCL) Volatile Organic Compounds (VOC) analyses and Base/Neutral Semi-Volatile Organic Compound (SVOC) analyses performed by USEPA Methods 8260 and 8270, respectively, plus a library search of the mass spectra of the 20 largest VOC and SVOC peaks, together reported as "tentatively identified compounds" (TICs). Some samples (see below) were prepared for SW-846 Method 8270 analysis by the USEPA Toxic Characteristics Leachate Procedure (TCLP). The data have been validated according to procedures described in the quality assurance sections of SW-846, the USEPA National Functional Guidelines for Organic Data Review (February 1994), and the data reviewer's professional judgment.

The validation report pertains to the following samples:

Samples

QC Samples

RE-4A	RE-22A(TCLP)	RE-9ADUP(field duplicate)
RE-9A	RE-25A	RE-22AMS/MSD(medium level matrix spike/duplicate)
RE-14A	RE-30A	RE-25AMS/MSD(low level matrix spike/duplicate)

The following items/criteria were reviewed for this report:

- Quantitation/detection limits
- Holding times and sample preservation
- GC/MS tuning and performance
- Initial and continuing calibration data
- Procedural blank data
- Internal standard areas, retention times, summary and data
- Surrogate recoveries, summary and data
- MS/MSD recoveries, summary and data
- Field duplicate data

- Mass spectra and data system printouts
- Qualitative and quantitative compound identification
- Case narrative and deliverables compliance

Note that there are not many referenceable QC limits published for field duplicate analyses. The USEPA Region II "Standard Operating Procedure (SOP) for Evaluation of Metals Data for the Contract Laboratory Program (CLP) based on SOW 3/90, revision XI" is the published source used for organics for this review. Results are compared on a raw-data basis to remove differences based on percent moisture. Organic field duplicate results are compared only for target compounds and only for concentrations greater than the contract required quantitation limits (CRQL). For soil samples, the QC limit used is 100% relative percent difference.

The items listed above were technically and contractually in compliance with USEPA SW-846 protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

VOLATILES

- The following table lists blanks, blank contaminants and concentrations and associated samples. Sample results less than five times the highest associated blank concentration are negated.

Blank ID	Compound (concentration in µg/l)	Associated Samples
VBLKM17	2-butanone (TIC) (0.2J)	RE-22AMS/MSD

- The initial calibration standards associated with all samples in this data package exhibited average relative response factors (RRF) for acetone (0.022) and 2-butanone (0.031) below the minimum RRF of 0.050. These two compounds are not on the target compound list but were detected as TICs in some cases. Positive results for these two compounds are considered estimated and flagged "J."
- The continuing calibration standard run on 12/05/97 at 10:02 exhibited a percent difference (%D) from the initial average response factor for acetone (28.5%) and 2-butanone (28.5%) in excess of the 25% QC limit. These compound were not on the target analyte list, however they were detected and reported in some cases as TICs. Results for

these two compounds in RE-22A, RE-25A and RE-30A are considered estimated with positive results flagged "J" and non-detect results flagged "UJ".

SEMI-VOLATILES

- Sample RE-22AMS exhibited surrogate recoveries for 2-fluorobiphenyl and terphenyl-d14 below their respective QC limits for surrogate recovery. No qualification to the sample data is made based on these out-of-compliance surrogate recoveries since this is a QC sample.
- The low level MS/MSD sample (RE-22A) exhibited RPDs for 1,4-dichlorobenzene (43%), 1,2,4-trichlorobenzene (41%) and acenaphthene (36%) above their respective QC limits of 28%, 28% and 31%. Based on these results all low level analyses for these compounds are considered estimated with non-detect results flagged "UJ" and positive results flagged "J."

The medium level MS sample RE-33A exhibited a recovery for 1,2,4-trichlorobenzene (33%) below the QC limit of 38%-107%. The medium MS/MSD pair exhibited RPDs for 1,2,4-trichlorobenzene (41%) and acenaphthene (32%) below their respective QC limits of 23% and 19%. Based on these results all medium level results for 1,2,4-trichlorobenzene and acenaphthene are considered estimated with non-detect results flagged "UJ" and positive results flagged "J."

- The continuing calibration standard run on instrument 5972-2 on 12/08/97 at 15:26 exhibited a %D for hexachlorocyclopentadiene (36.0%) over the 25% QC limit. Results for hexachlorocyclopentadiene in sample RE-30A are considered estimated with positive results flagged "J" and non-detect results flagged "UJ."

Package Summary

The sample data are valid and useable with qualifications as noted in this review.

Reviewed: C. Brett Mongillo
C. Brett Mongillo
Senior Project Chemist

Dated: 3-24-98

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-9A
ETL Sample Number: 179557-01
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 87.5
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 10000ul
Level: MED

Date Collected: 03-DEC-97
Date Received: 03-DEC-97
Date Extracted:
Date Analyzed: 04-DEC-97
Report Date: 22-DEC-97
Column: DB-624
Lab File Id: V0867.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	140		U
108-86-1	Bromobenzene	140		U
74-97-5	Bromochloromethane	140		U
75-27-4	Bromodichloromethane	140		U
75-25-2	Bromoform	140		U
74-83-9	Bromomethane	140		U
104-51-8	n-Butylbenzene	140	2000	
135-98-8	sec-Butylbenzene	140	1300	
98-06-6	tert-Butylbenzene	140		U
56-23-5	Carbon tetrachloride	140		U
108-90-7	Chlorobenzene	140		U
75-00-3	Chloroethane	140		U
67-66-3	Chloroform	140		U
74-87-3	Chloromethane	140		U
95-49-8	2-Chlorotoluene	140		U
106-43-4	4-Chlorotoluene	140		U
124-48-1	Dibromochloromethane	140		U
106-93-4	1,2-Dibromoethane	140		U
74-95-3	Dibromomethane	140		U
95-50-1	1,2-Dichlorobenzene	140		U
541-73-1	1,3-Dichlorobenzene	140		U
106-46-7	1,4-Dichlorobenzene	140		U
75-71-8	Dichlorodifluoromethane	140		U
75-34-3	1,1-Dichloroethane	140		U
107-06-2	1,2-Dichloroethane	140		U
75-35-4	1,1-Dichloroethene	140		U
156-59-4	cis-1,2-Dichloroethene	140		U
156-60-5	trans-1,2-Dichloroethene	140		U
10061-01-5	cis-1,3-Dichloropropene	140		U
10061-02-6	trans-1,3-Dichloropropene	140		U
78-87-5	1,2-Dichloropropane	140		U
142-28-9	1,3-Dichloropropane	140		U
590-20-7	2,2-Dichloropropane	140		U
563-58-6	1,1-Dichloropropene	140		U
100-41-4	Ethylbenzene	140	260	
87-68-3	Hexachlorobutadiene	140		U
98-82-8	Isopropyl benzene	140	550	
99-87-6	4-Isopropyltoluene	140	700	
75-09-2	Methylene chloride	140		U
91-20-3	Naphthalene	140	670	
103-65-1	n-Propylbenzene	140	920	
100-42-5	Styrene	140		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	140		U
108-67-8	1,3,5-Trimethylbenzene	140	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	140		U
127-18-4	Tetrachloroethene	140		U
108-88-3	Toluene	140		U
87-61-6	1,2,3-Trichlorobenzene	140		U
120-82-1	1,2,4-Trichlorobenzene	140		U
71-55-6	1,1,1-Trichloroethane	140		U
79-00-5	1,1,2-Trichloroethane	140		U
79-01-6	Trichloroethene	140		U
75-69-4	Trichlorofluoromethane	140		U
96-18-4	1,2,3-Trichloropropane	140		U
95-63-6	1,2,4-Trimethylbenzene	140	3900	U
75-01-4	Vinyl chloride	140		U
95-47-6	o-Xylene	140	100	J
108-38-3/106-42-3	m,p-Xylene	140	170	U
96-12-8	1,2-Dibromo-3-chloropropane	140		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-9A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG557

Matrix: (soil/water) SOIL Lab Sample ID: 179557-01

Sample wt/vol: 4.00 (g/ml) G Lab File ID: V0867

Level: (low/med) MED Date Received: 12/03/97

% Moisture: not dec. 12 Date Analyzed: 12/04/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000.00 (uL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Methyl propyl benzene isomer	25.13	11000.	J
2.	Methyl propyl benzene isomer	25.71	8500.	J
3.	Methyl, methylethyl benzene i	26.00	8400.	J
4.	C10H14 isomer	26.20	7100.	J
5.	Methyl propenyl benzene isom	27.92	8800.	J
6.	C10H14 isomer	28.30	16000.	J
7.	C11H16 isomer	29.25	9900.	J
8.	3877-19-8 Naphthalene, 1,2,3,4-tetrahy	30.07	8100.	J
9.	Tetrahydronaphthalene isomer	31.29	23000.	J
10.	Tetrahydronaphthalene isomer	32.09	8600.	J
11.	C12H16 isomer	32.55	18000.	J
12.	C12H16 isomer	32.71	7700.	J
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-9A DUP	Date Collected: 03-DEC-97
ETL Sample Number: 179557-02	Date Received: 03-DEC-97
Client Name: ALPHA GEOSCIENCE	Date Extracted:
Project Name: 95141	Date Analyzed: 04-DEC-97
% Solid: 87.2	Report Date: 22-DEC-97
Matrix: 3 Soil/Sldg	Column: DB-624
Sample Wt/Vol: 10000ul	Lab File Id: V0868.D
Level: MED	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	140		U
108-86-1	Bromobenzene	140		U
74-97-5	Bromochloromethane	140		U
75-27-4	Bromodichloromethane	140		U
75-25-2	Bromoform	140		U
74-83-9	Bromomethane	140		U
104-51-8	n-Butylbenzene	140	2600	
135-98-8	sec-Butylbenzene	140	1600	
98-06-6	tert-Butylbenzene	140		U
56-23-5	Carbon tetrachloride	140		U
108-90-7	Chlorobenzene	140		U
75-00-3	Chloroethane	140		U
67-66-3	Chloroform	140		U
74-87-3	Chloromethane	140		U
95-49-8	2-Chlorotoluene	140		U
106-43-4	4-Chlorotoluene	140		U
124-48-1	Dibromochloromethane	140		U
106-93-4	1,2-Dibromoethane	140		U
74-95-3	Dibromomethane	140		U
95-50-1	1,2-Dichlorobenzene	140		U
541-73-1	1,3-Dichlorobenzene	140		U
106-46-7	1,4-Dichlorobenzene	140		U
75-71-8	Dichlorodifluoromethane	140		U
75-34-3	1,1-Dichloroethane	140		U
107-06-2	1,2-Dichloroethane	140		U
75-35-4	1,1-Dichloroethene	140		U
156-59-4	cis-1,2-Dichloroethene	140		U
156-60-5	trans-1,2-Dichloroethene	140		U
10061-01-5	cis-1,3-Dichloropropene	140		U
10061-02-6	trans-1,3-Dichloropropene	140		U
78-87-5	1,2-Dichloropropane	140		U
142-28-9	1,3-Dichloropropane	140		U
590-20-7	2,2-Dichloropropane	140		U
563-58-6	1,1-Dichloropropene	140		U
100-41-4	Ethylbenzene	140	260	
87-68-3	Hexachlorobutadiene	140		U
98-82-8	Isopropyl benzene	140	550	
99-87-6	4-Isopropyltoluene	140	800	
75-09-2	Methylene chloride	140		U
91-20-3	Naphthalene	140	790	
103-65-1	n-Propylbenzene	140	970	
100-42-5	Styrene	140		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	140		U
108-67-8	1,3,5-Trimethylbenzene	140	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	140		U
127-18-4	Tetrachloroethene	140		U
108-88-3	Toluene	140		U
87-61-6	1,2,3-Trichlorobenzene	140		U
120-82-1	1,2,4-Trichlorobenzene	140		U
71-55-6	1,1,1-Trichloroethane	140		U
79-00-5	1,1,2-Trichloroethane	140		U
79-01-6	Trichloroethene	140		U
75-69-4	Trichlorofluoromethane	140		U
96-18-4	1,2,3-Trichloropropane	140		U
95-63-6	1,2,4-Trimethylbenzene	140	4400	U
75-01-4	Vinyl chloride	140		U
95-47-6	o-Xylene	140	130	J
108-38-3/106-42-3	m,p-Xylene	140	170	U
96-12-8	1,2-Dibromo-3-chloropropane	140		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-9A DUP

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG557

Matrix: (soil/water) SOIL Lab Sample ID: 179557-02

Sample wt/vol: 4.00 (g/ml) G Lab File ID: V0868

Level: (low/med) MED Date Received: 12/03/97

% Moisture: not dec. 11 Date Analyzed: 12/04/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000.00 (uL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1074-43-7	Benzene, 1-methyl-3-propyl-	25.14	13000.	J
2. 135-98-8	Benzene, (1-methylpropyl) -	25.70	11000.	J
3. 25155-15-1	Methyl, methylethyl benzene i	26.00	9500.	J
4.	C10H12 isomer	27.92	9800.	J
5.	C10H14 isomer	28.29	18000.	J
6. 119-64-2	Naphthalene, 1,2,3,4-tetrahy	28.68	8200.	J
7.	C11H16 isomer	29.25	10000.	J
8. 3877-19-8	Naphthalene, 1,2,3,4-tetrahy	30.07	9300.	J
9.	Tetrahydro naphthalene isome	31.29	26000.	J
10.	Tetrahydronaphthalene isomer	32.09	10000.	J
11.	C12H16 isomer	32.56	23000.	J
12.	C12H16 isomer	32.71	9500.	J
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-14A
ETL Sample Number: 179557-03
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 88.4
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 03-DEC-97
Date Received: 03-DEC-97
Date Extracted:
Date Analyzed: 03-DEC-97
Report Date: 22-DEC-97
Column: DB-624
Lab File Id: W6716.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropane	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-03

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	3.4	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m, p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-14A

Lab Name: ENVIROTEST LABORATORIES

Contract: 95141

Lab Code: 10142

Case No.:

SAS No.:

SDG No.: AG557

Matrix: (soil/water) SOIL

Lab Sample ID: 179557-03

Sample wt/vol: 5.00 (g/ml) G

Lab File ID: W6716

Level: (low/med) LOW

Date Received: 12/03/97

% Moisture: not dec. 12

Date Analyzed: 12/03/97

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.38	3.	J
2. 71-23-8	1-Propanol	10.58	11.	J
3.				
4.				
5.				
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Volatile Organics Analysis Data Sheet
Form I VOA
8260

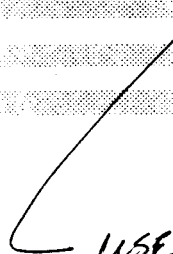
Client ID: RE-22A	Date Collected: 03-DEC-97
ETL Sample Number: 179557-04	Date Received: 03-DEC-97
Client Name: ALPHA GEOSCIENCE	Date Extracted:
Project Name: 95141	Date Analyzed: 05-DEC-97
% Solid: 87.0	Report Date: 22-DEC-97
Matrix: 3 Soil/Sldg	Column: DB-624
Sample Wt/Vol: 1g	Lab File Id: W6738.D
Level: LOW	Dilution Factor: 5.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	5.7		U
108-86-1	Bromobenzene	5.7		U
74-97-5	Bromochloromethane	5.7		U
75-27-4	Bromodichloromethane	5.7		U
75-25-2	Bromoform	5.7		U
74-83-9	Bromomethane	5.7		U
104-51-8	n-Butylbenzene	5.7	420	
135-98-8	sec-Butylbenzene	5.7	270	
98-06-6	tert-Butylbenzene	5.7		U
56-23-5	Carbon tetrachloride	5.7		U
108-90-7	Chlorobenzene	5.7		U
75-00-3	Chloroethane	5.7		U
67-66-3	Chloroform	5.7	13	
74-87-3	Chloromethane	5.7		U
95-49-8	2-Chlorotoluene	5.7		U
106-43-4	4-Chlorotoluene	5.7		U
124-48-1	Dibromochloromethane	5.7		U
106-93-4	1,2-Dibromoethane	5.7		U
74-95-3	Dibromomethane	5.7		U
95-50-1	1,2-Dichlorobenzene	5.7		U
541-73-1	1,3-Dichlorobenzene	5.7		U
106-46-7	1,4-Dichlorobenzene	5.7		U
75-71-8	Dichlorodifluoromethane	5.7		U
75-34-3	1,1-Dichloroethane	5.7		U
107-06-2	1,2-Dichloroethane	5.7		U
75-35-4	1,1-Dichloroethene	5.7		U
156-59-4	cis-1,2-Dichloroethene	5.7		U
156-60-5	trans-1,2-Dichloroethene	5.7		U
10061-01-5	cis-1,3-Dichloropropene	5.7		U
10061-02-6	trans-1,3-Dichloropropene	5.7		U
78-87-5	1,2-Dichloropropane	5.7		U
142-28-9	1,3-Dichloropropane	5.7		U
590-20-7	2,2-Dichloropropane	5.7		U
563-58-6	1,1-Dichloropropene	5.7		U
100-41-4	Ethylbenzene	5.7	48	
87-68-3	Hexachlorobutadiene	5.7		U
98-82-8	Isopropyl benzene	5.7	120	
99-87-6	4-Isopropyltoluene	5.7	150	
75-09-2	Methylene chloride	5.7		U
91-20-3	Naphthalene	5.7	190	
103-65-1	n-Propylbenzene	5.7		U
100-42-5	Styrene	5.7		U

Volatile Organics Analysis Data Sheet
Form I VOA
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Results are continued from the previous page for 179557-04

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	5.7		U
108-67-8	1,3,5-Trimethylbenzene	5.7	320	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7		U
127-18-4	Tetrachloroethene	5.7	23	U
108-88-3	Toluene	5.7		U
87-61-6	1,2,3-Trichlorobenzene	5.7		U
120-82-1	1,2,4-Trichlorobenzene	5.7		U
71-55-6	1,1,1-Trichloroethane	5.7		U
79-00-5	1,1,2-Trichloroethane	5.7		U
79-01-6	Trichloroethene	5.7	4.9	J
75-69-4	Trichlorofluoromethane	5.7		U
96-18-4	1,2,3-Trichloropropane	5.7		U
95-63-6	1,2,4-Trimethylbenzene	5.7	930	E
75-01-4	Vinyl chloride	5.7		U
95-47-6	o-Xylene	5.7	10	
108-38-3/106-42-3	m,p-Xylene	5.7	49	
96-12-8	1,2-Dibromo-3-chloropropane	5.7		U



USE DILUTION
RESULT

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3-6-98

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-22A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG557

Matrix: (soil/water) SOIL Lab Sample ID: 179557-04

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6738

Level: (low/med) LOW Date Received: 12/03/97

% Moisture: not dec. 13 Date Analyzed: 12/05/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.67-64-1	Acetone	7.39	7.	J
2.	Unknown C _n H _{2n+2}	24.75	1700.	J
3.	Unknown C _n H _{2n+2}	25.46	1900.	J
4.	Methylpropyl cyclohexane iso	26.16	1900.	J
5.	C ₁₁ H ₂₄ isomer	26.85	1800.	J
6.	Methylpropyl benzene isomer	27.11	2000.	J
7.	Unknown C _n H _{2n+2}	27.63	2700.	J
8.	Methylmethylethyl benzene is	28.00	2100.	J
9.	Ethylidimethyl benzene isomer	28.16	1600.	J
10.	Unknown	28.83	2500.	J
11.	Ethylidimethyl benzene isomer	29.26	1400.	J
12.	C ₁₀ H ₁₂ isomer	30.28	1600.	J
13.119-64-2	Naphthalene, 1,2,3,4-tetrahy	30.68	1800.	J
14.				
15.				
16.				
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3-6-98

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client ID: RE-22ADL
 EnviroTest Lab No.: 179557-04DL
 Client Name: Alpha Geoscience
 Project Name: 95141
 % Solid: 87
 Matrix: Soil
 Sample Wt/Vol.: 4g
 Level: Med
 Soil Extract Volume: 10000ul

Date Collected: 12/3/97
 Date Received: 12/3/97
 Date Extracted:
 Date Analyzed: 12/4/97
 Report Date: 12/5/97
 Column: DB-624
 Lab File ID: V0869.D
 Dilution Factor: 1
 Soil Aliquot Volume: 100ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
75-71-8	Dichlorodifluoromethane	140.0	U
74-87-3	Chloromethane	140.0	U
74-83-9	Bromomethane	140.0	U
75-01-4	Vinyl Chloride	140.0	U
75-00-3	Chloroethane	140.0	U
75-69-4	Trichlorofluoromethane	140.0	U
75-09-2	Methylene Chloride	140.0	U
75-35-4	1,1-Dichloroethene	140.0	U
75-35-3	1,1-Dichloroethane	140.0	U
590-20-7	2,2-Dichloropropane	140.0	U
156-60-5	trans-1,2-Dichloroethene	140.0	U
156-59-4	cis-1,2-Dichloroethene	140.0	U
67-66-3	Chloroform	140.0	U
563-58-6	1,1-Dichloropropene	140.0	U
107-06-2	1,2-Dichloroethane	140.0	U
74-97-5	Bromochloromethane	140.0	U
71-55-6	1,1,1-Trichloroethane	140.0	U
56-23-5	Carbon Tetrachloride	140.0	U
74-95-3	Dibromomethane	140.0	U
75-27-4	Bromodichloromethane	140.0	U
78-87-5	1,2-Dichloropropane	140.0	U
10061-01-5	cis-1,3-Dichloropropene	140.0	U
79-01-6	Trichloroethene	140.0	U
71-43-2	Benzene	140.0	U
142-28-9	1,3-Dichloropropane	140.0	U
124-48-1	Dibromochloromethane	140.0	U
10061-02-6	trans-1,3-Dichloropropene	140.0	U
79-00-5	1,1,2-Trichloroethane	140.0	U
106-93-4	1,2-Dibromoethane	140.0	U
75-25-2	Bromoform	140.0	U
127-18-4	Tetrachloroethene	140.0	190.0
630-20-6	1,1,1,2-Tetrachloroethane	140.0	U
108-88-3	Toluene	140.0	U
108-90-7	Chlorobenzene	140.0	U
100-41-4	Ethylbenzene	140.0	U
100-42-5	Styrene	140.0	U
108-38-3/106-42-3	m,p-Xylene	140.0	89.0 J
95-47-6	o-Xylene	140.0	U

*Get individual sample
 CBM
 3-6-98*

FORM I - VOA

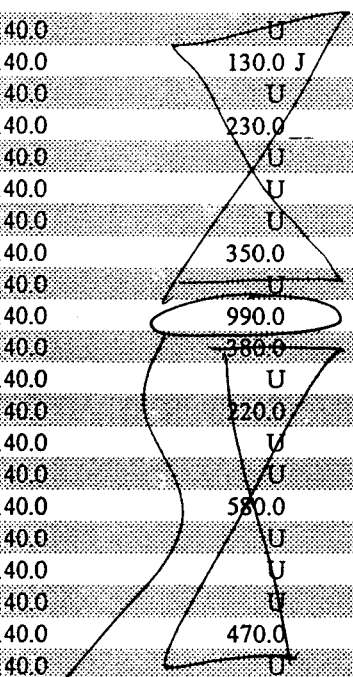
VOLATILE ORGANICS ANALYSIS DATA SHEET

Page 2

Client ID: RE-22ADL
 EnviroTest Lab No.: 179557-04DL
 Client Name: Alpha Geoscience
 Project Name: 95141
 % Solid: 87
 Matrix: Soil
 Sample Wt/Vol.: 4g
 Level: Med
 Soil Extract Volume: 10000ul

Date Collected: 12/3/97
 Date Received: 12/3/97
 Date Extracted:
 Date Analyzed: 12/4/97
 Report Date: 12/5/97
 Column: DB-624
 Lab File ID: V0869.D
 Dilution Factor: 1
 Soil Aliquot Volume: 100ul

CAS No.	Compound	Detection Limit ug/kg	Conc ug/kg
96-18-4	1,2,3-Trichloropropane	140.0	U
98-82-8	Isopropylbenzene	140.0	130.0 J
108-86-1	Bromobenzene	140.0	U
103-65-1	n-propylbenzene	140.0	230.0
79-34-5	1,1,2,2-Tetrachloroethane	140.0	U
95-49-8	2-Chlorotoluene	140.0	U
106-43-4	4-Chlorotoluene	140.0	U
108-67-8	1,3,5-Trimethylbenzene	140.0	350.0
98-06-6	tert-Butylbenzene	140.0	U
95-63-6	1,2,4-Trimethylbenzene	140.0	990.0
135-98-8	sec-Butylbenzene	140.0	380.0
541-73-1	1,3-Dichlorobenzene	140.0	U
99-87-6	4-Isopropyltoluene	140.0	220.0
106-46-7	1,4-Dichlorobenzene	140.0	U
95-50-1	1,2-Dichlorobenzene	140.0	U
104-51-8	n-Butylbenzene	140.0	580.0
96-12-8	1,2-Dibromo-3-chloropropane	140.0	U
87-68-3	Hexachlorobutadiene	140.0	U
120-82-1	1,2,4-Trichlorobenzene	140.0	U
91-20-3	Naphthalene	140.0	470.0
87-61-6	1,2,3-Trichlorobenzene	140.0	U



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Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-4A
ETL Sample Number: 179557-05
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 90.4
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 02-DEC-97
Date Received: 03-DEC-97
Date Extracted:
Date Analyzed: 03-DEC-97
Report Date: 22-DEC-97
Column: DB-624
Lab File Id: W6717.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179557-05

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	13	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-4A

Lab Name: ENVIROTEST LABORATORIES

Contract: 95141

Lab Code: 10142

Case No.:

SAS No.:

SDG No.: AG557

Matrix: (soil/water) SOIL

Lab Sample ID: 179557-05

Sample wt/vol: 5.00 (g/ml) G

Lab File ID: W6717

Level: (low/med) LOW

Date Received: 12/03/97

% Moisture: not dec. 10

Date Analyzed: 12/03/97

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.67-64-1	Acetone	7.39	2.	J
2.71-23-8	1-Propanol	10.57	20.	J
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36 98

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-25A
ETL Sample Number: 179654-01
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 88.6
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 04-DEC-97
Date Received: 05-DEC-97
Date Extracted:
Date Analyzed: 05-DEC-97
Report Date: 22-DEC-97
Column: DB-624
Lab File Id: W6740.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.1		U
108-86-1	Bromobenzene	1.1		U
74-97-5	Bromochloromethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
75-25-2	Bromoform	1.1		U
74-83-9	Bromomethane	1.1		U
104-51-8	n-Butylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
56-23-5	Carbon tetrachloride	1.1		U
108-90-7	Chlorobenzene	1.1		U
75-00-3	Chloroethane	1.1		U
67-66-3	Chloroform	1.1		U
74-87-3	Chloromethane	1.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
74-95-3	Dibromomethane	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
75-71-8	Dichlorodifluoromethane	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
107-06-2	1,2-Dichloroethane	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
156-59-4	cis-1,2-Dichloroethene	1.1		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
78-87-5	1,2-Dichloropropane	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
590-20-7	2,2-Dichloropropane	1.1		U
563-58-6	1,1-Dichloropropane	1.1		U
100-41-4	Ethylbenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
98-82-8	Isopropyl benzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
75-09-2	Methylene chloride	1.1		U
91-20-3	Naphthalene	1.1		U
103-65-1	n-Propylbenzene	1.1		U
100-42-5	Styrene	1.1		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179654-01

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
79-34-5	1,1,2,2-Tetrachloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	2.3	
108-88-3	Toluene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
79-00-5	1,1,2-Trichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
75-01-4	Vinyl chloride	1.1		U
95-47-6	o-Xylene	1.1		U
108-38-3/106-42-3	m,p-Xylene	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-25A

Lab Name: ENVIROTEST LABORATORIES

Contract: 95141

Lab Code: 10142

Case No.:

SAS No.:

SDG No.: AG557

Matrix: (soil/water) SOIL

Lab Sample ID: 179654-01

Sample wt/vol: 5.00 (g/ml) G

Lab File ID: W6740

Level: (low/med) LOW

Date Received: 12/05/97

Moisture: not dec. 13

Date Analyzed: 12/05/97

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.39	3.	J
2. 71-23-8	1-Propanol	10.60	58.	J
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OBM
3-6-98

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Client ID: RE-30A
ETL Sample Number: 179654-02
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 82.0
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 5g
Level: LOW

Date Collected: 05-DEC-97
Date Received: 05-DEC-97
Date Extracted:
Date Analyzed: 05-DEC-97
Report Date: 22-DEC-97
Column: DB-624
Lab File Id: W6741.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
71-43-2	Benzene	1.2		U
108-86-1	Bromobenzene	1.2		U
74-97-5	Bromochloromethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
75-25-2	Bromoform	1.2		U
74-83-9	Bromomethane	1.2		U
104-51-8	n-Butylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
56-23-5	Carbon tetrachloride	1.2		U
108-90-7	Chlorobenzene	1.2		U
75-00-3	Chloroethane	1.2		U
67-66-3	Chloroform	1.2		U
74-87-3	Chloromethane	1.2		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
74-95-3	Dibromomethane	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
75-71-8	Dichlorodifluoromethane	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
107-06-2	1,2-Dichloroethane	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
156-59-4	cis-1,2-Dichloroethene	1.2		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
78-87-5	1,2-Dichloropropane	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
590-20-7	2,2-Dichloropropane	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
100-41-4	Ethylbenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
98-82-8	Isopropyl benzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
75-09-2	Methylene chloride	1.2		U
91-20-3	Naphthalene	1.2		U
103-65-1	n-Propylbenzene	1.2		U
100-42-5	Styrene	1.2		U

Volatile Organics Analysis Data Sheet
Form I VOA
8260

Results are continued from the previous page for 179654-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
79-34-5	1,1,2,2-Tetrachloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2		U
108-88-3	Toluene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
79-00-5	1,1,2-Trichloroethane	1.2		U
79-01-6	Trichloroethene	1.2		U
75-69-4	Trichlorofluoromethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
75-01-4	Vinyl chloride	1.2		U
95-47-6	o-Xylene	1.2		U
108-38-3/106-42-3	m,p-Xylene	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-30A

Lab Name: ENVIROTEST LABORATORIES Contract: 95141

Lab Code: 10142 Case No.: SAS No.: SDG No.: AG557

Matrix: (soil/water) SOIL Lab Sample ID: 179654-02

Sample wt/vol: 5.00 (g/ml) G Lab File ID: W6741

Level: (low/med) LOW Date Received: 12/05/97

% Moisture: not dec. 18 Date Analyzed: 12/05/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	Acetone	7.40	2.	J
2. 71-23-8	1-Propanol	10.57	20.	J
3.	C12H16 isomer	34.51	8.	J
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C12H16
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Semi-Volatile Organics Analysis Data Sheet
Form I SV
TCLP-8270-S

Client ID: RE-22A	Date Collected: 03-DEC-97
ETL Sample Number: 179557-04	Date Received: 03-DEC-97
Client Name: ALPHA GEOSCIENCE	Date Extracted: 05-DEC-97
Project Name: 95141	Date Analyzed: 05-DEC-97
% Solid: 87.0	Report Date: 29-DEC-97
Matrix: 3 Soil/Sldg	Column: DB-5
Sample Wt/Vol: 1000ml	Lab File Id: E11253.D
Level: LOW	Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/l	Conc. ug/l	Data Qualifier
91-20-3	Naphthalene	10	6	J
83-32-9	Acenaphthene	10	3	J J
86-73-7	Fluorene	10	4	J
85-01-8	Phenanthrene	10	5	J
120-12-7	Anthracene	10		U
206-44-0	Fluoranthene	10		U
56-55-3	Benzo(a)anthracene	10		U
218-01-9	Chrysene	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
129-00-0	Pyrene	10		U

ABM
3-6-98

Semi-Volatile Organics Analysis Data Sheet
Form I SV
8270-BN

Client ID: RE-30A
ETL Sample Number: 179654-02
Client Name: ALPHA GEOSCIENCE
Project Name: 95141
% Solid: 82.0
Matrix: 3 Soil/Sldg
Sample Wt/Vol: 30g
Level: LOW

Date Collected: 05-DEC-97
Date Received: 05-DEC-97
Date Extracted: 08-DEC-97
Date Analyzed: 08-DEC-97
Report Date: 29-DEC-97
Column: DB-5
Lab File Id: S6947.D
Dilution Factor: 1.00

CAS NO.	Compound	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
111-44-4	bis(2-Chloroethyl)ether	410		U
541-73-1	1,3-Dichlorobenzene	410		U
106-46-7	1,4-Dichlorobenzene	410		U
100-51-6	Benzyl Alcohol	410		U
95-50-1	1,2-Dichlorobenzene	410		U
108-60-1	bis(2-Chloroisopropyl)ether	410		U
621-64-7	N-Nitroso-di-n-propylamine	410		U
67-72-1	Hexachloroethane	410		U
98-95-30	Nitrobenzene	410		U
78-59-1	Isophorone	410		U
111-91-1	bis(2-Chloroethoxy)methane	410		U
120-82-1	1,2,4-Trichlorobenzene	410		U J
91-20-3	Naphthalene	410		U
106-47-8	4-Chloroaniline	410		U <i>Chm</i>
87-68-3	Hexachlorobutadiene	410		U
91-57-6	2-Methylnaphthalene	410		U
77-47-4	Hexachlorocyclopentadiene	410		U J <i>36-98</i>
91-58-7	2-Chloronaphthalene	410		U
88-74-4	2-Nitroaniline	1000		U
131-11-3	Dimethylphthalate	410		U
208-96-8	Acenaphthylene	410		U
606-20-2	2,6-Dinitrotoluene	410		U
99-09-2	3-Nitroaniline	1000		U
83-32-9	Acenaphthene	410		U J
132-64-9	Dibenzofuran	410		U
121-14-2	2,4-Dinitrotoluene	410		U
84-66-2	Diethylphthalate	410		U
7005-72-3	4-Chlorophenyl phenylether	410		U
86-73-7	Fluorene	410		U
100-01-6	4-Nitroaniline	1000		U
86-30-6	N-Nitrosodiphenylamine	410		U
101-55-3	4-Bromophenyl phenylether	410		U
118-74-1	Hexachlorobenzene	410		U
85-01-8	Phenanthrene	410		U
120-12-7	Anthracene	410		U
84-74-2	Di-n-butylphthalate	410		U
206-44-0	Fluoranthene	410		U
129-00-0	Pyrene	410		U
85-68-7	Butylbenzylphthalate	410		U
91-94-1	3,3'-Dichlorobenzidine	810		U
56-55-3	Benzo(a)anthracene	410		U
218-01-9	Chrysene	410		U

Semi-Volatile Organics Analysis Data Sheet
 Form I SV
 8270-BN

Results are continued from the previous page for 179654-02

CAS NO.	Compound	ug/kg	ug/kg	Qualifier
117-81-7	bis(2-Ethylhexyl)phthala	410	50	J
117-84-0	Di-n-octylphthalate	410		U
205-99-2	Benzo(b)fluoranthene	410		U
207-08-9	Benzo(k)fluoranthene	410		U
50-32-8	Benzo(a)pyrene	410		U
193-39-5	Indeno(1,2,3-cd)pyrene	410		U
53-70-3	Dibenz(a,h)anthracene	410		U
191-24-2	Benzo(g,h,i)perylene	410		U
62-75-9	N-Nitrosodimethylamine	410		U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RE-30A

Lab Name: ENVIROTEST LABS INC

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG654

Matrix: (soil/water) SOIL

Lab Sample ID: 179654-02

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

Lab File ID: S6947

Level: (low/med) LOW

Date Received: 12/05/97

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/08/97

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 12/08/97

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.3

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	Unknown	5.80	350.	J
2.	C10H18 isomer	6.23	89.	J
3.	Unknown CnH2n+2	8.38	100.	J
4.	Unknown CnH2n+2	9.69	100.	J
5.	Unknown CnH2n+2	10.90	84.	J
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Ground Water Sample Data Validation

**DATA VALIDATION REPORT
GROUND WATER SAMPLE ANALYSES
NEW PALTZ PLAZA SITE
ALPHA GEOSCIENCE PROJECT NO. 95141
ETL PROJECT NO. 181202**

Deliverables

The above referenced Data Summary Package and Sample Data Package contain all required deliverables as stipulated under the United States Environmental Protection Agency (USEPA) Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846) and reported with New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (ASP) Superfund Category B deliverables for Target Compound List (TCL) Volatile Organic Compounds (VOC) analyses and Base/Neutral Semi-Volatile Organic Compound (SVOC) analyses performed by USEPA Methods 8260 and 8270, respectively, plus a library search of the mass spectra of the 20 largest VOC and SVOC peaks, together reported as "tentatively identified compounds" (TICs). The data have been validated according to procedures described in the quality assurance sections of SW-846, the USEPA National Functional Guidelines for Organic Data Review (February 1994), and the data reviewer's professional judgment.

The validation report pertains to the following samples:

Samples

MW-1 MW-7
MW-2 MW-8
MW-3 MW-9
MW-4 BR-1
MW-5 BR-2
MW-6 BR-3

QC Samples

MW-2DUP(field duplicate)
Trip Blank
BR-3MS/MSD(VOC matrix spike/duplicate)
MW-4MS/MSD(SVOC matrix spike/duplicate)

The following items/criteria were reviewed for this report:

- Quantitation/detection limits
- Holding times and sample preservation
- GC/MS tuning and performance
- Initial and continuing calibration data
- Procedural blank data
- Internal standard areas, retention times, summary and data
- Surrogate recoveries, summary and data
- MS/MSD recoveries, summary and data
- Field duplicate data
- Mass spectra and data system printouts
- Qualitative and quantitative compound identification
- Case narrative and deliverables compliance

Note that there are not many referenceable QC limits published for field duplicate analyses. The USEPA Region II "Standard Operating Procedure (SOP) for Evaluation of Metals Data for the Contract Laboratory Program (CLP) based on SOW 3/90, revision XI" is the published source used for organics for this review. Organic field duplicate results are compared only for target compounds and only for concentrations greater than the contract required quantitation limits (CRQL). For water samples, the QC limit used is 50% relative percent difference.

The items listed above were technically and contractually in compliance with USEPA SW-846 protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

VOLATILES

- The MS/MSD (BR-3) exhibited percent recoveries (%R) for trichloroethane (160% and 161%, respectively) over the 71% to 110% QC limits. Based on these results, all positive sample results for trichloroethene are considered estimated and flagged "J."
- The matrix spike blank exhibited low %Rs for 1,1-dichloroethene, benzene, and toluene indicating possible low bias in sample results for these compounds. Therefore, all sample results for these three compounds are considered estimated with non-detect results flagged "UJ" and positive results flagged "J."
- The initial calibration standards associated with all samples in this data package exhibited an average relative response factor (RRF) for acetone (0.026) below the minimum RRF of 0.050. This compound is not on the target compound list but was detected as a TIC in some cases. Positive results for acetone are considered estimated and flagged "J."
- All of the continuing calibration standards run in association with this data package exhibited RRFs for acetone below the minimum RRF of 0.050. This compound is not on the target analyte list, however it was detected and reported in some cases as a TIC. All results for acetone are considered estimated and are flagged "J." The two continuing calibration standards run on 01/27/98 exhibited percent differences (%D) for the initial average RRF for dichlorodifluoromethane (49.6% and 52.0%) in excess of the 25% QC limit. Results for this compound in all samples except MW-1 and MW-2 are considered estimated with positive results flagged "J" and non-detect results flagged "UJ".
- Sample MW-4 exhibited 120 µg/l of cis-1,2-dichloroethene in the initial undiluted analysis. This result is over the linear calibration range for an undiluted sample. The sample was subsequently re-analyzed at a five fold dilution. The dilution analysis exhibited a peak at the appropriate retention time for cis-1,2-dichloroethene, however, the instrument failed to recognize the peak and it went unquantified. Therefore, the initial sample result should be reported and considered estimated ("J" flagged).

- Sample BR-2 exhibited 130 µg/l of tetrachloroethane in the initial undiluted analysis. This result is over the linear calibration range for an undiluted sample. No subsequent re-analysis at a secondary dilution was performed by the laboratory. The result should be reported as presented and considered estimated ("J" flagged).

SEMI-VOLATILES

- The continuing calibration standard run on instrument 5972-1 on 01/28/98 at 10:49 exhibited %Ds for n-nitrosodimethylamine (45.2%) and fluoranthene (25.4%) over the 25% QC limit. The continuing calibration standard run on instrument 5972-2 on 02/01/98 at 12:25 exhibited %Ds for 3-nitroaniline (41.1%) and 3,3'-dichlorobenzidene (38.4%) over the 25% QC limit. Results for n-nitrosodimethylamine and fluoranthene in samples MW-2, MW-4, MW-6, BR-1, and MW-2DUP and 3-nitroaniline and 3,3'-dichlorobenzidene in sample MW-3 are considered estimated with positive results flagged "J" and non-detect results flagged "UJ."

Package Summary

The sample data are valid and useable with qualifications as noted in this review.

Reviewed: C. Brett Mongillo Dated: 3-8-98
C. Brett Mongillo
Senior Project Chemist

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1186

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO. COMPOUND Q

75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	4.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	5.	U
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	28.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

C6m
3/6/98



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1186

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.

COMPOUND

Q

100-42-5-----Styrene	1.	U
96-18-4-----1,2,3-Trichloropropane	1.	U
98-82-8-----Isopropylbenzene	1.	U
108-86-1-----Bromobenzene	1.	U
103-65-1-----n-Propylbenzene	1.	U
79-34-5-----1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----2-Chlorotoluene	1.	U
106-43-4-----4-Chlorotoluene	1.	U
108-67-8-----1,3,5-Trimethylbenzene	1.	U
98-06-6-----tert-Butylbenzene	1.	U
95-63-6-----1,2,4-Trimethylbenzene	1.	U
135-98-8-----sec-Butylbenzene	1.	U
541-73-1-----1,3-Dichlorobenzene	1.	U
99-87-6-----4-Isopropyltoluene	1.	U
106-46-7-----1,4-Dichlorobenzene	1.	U
95-50-1-----1,2-Dichlorobenzene	1.	U
104-51-8-----n-Butylbenzene	1.	U
96-12-8-----1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----Hexachlorobutadiene	1.	U
120-82-1-----1,2,4-Trichlorobenzene	1.	U
91-20-3-----Naphthalene	1.	U
87-61-6-----1,2,3-Trichlorobenzene	1.	U



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-1

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-01

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1186

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 10 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1187

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column: DB-6242 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	20.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	7.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	2.	
75-34-3	1,1-Dichloroethane	4.	
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	160.	E
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	110.	E
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U
79-01-6	Trichloroethene	110.	E
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U
127-18-4	Tetrachloroethene	1400.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

*USE
DIRECTION
CBM*

*CBM
3-6-98*



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-02

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1187

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/26/98

GC Column: DB-6242 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

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

CAS NO.

COMPOUND

Q

100-42-5-----	Styrene	1.	U
96-18-4-----	1,2,3-Trichloropropane	1.	U
98-82-8-----	Isopropylbenzene	1.	U
108-86-1-----	Bromobenzene	1.	U
103-65-1-----	n-Propylbenzene	1.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----	2-Chlorotoluene	1.	U
106-43-4-----	4-Chlorotoluene	1.	U
108-67-8-----	1,3,5-Trimethylbenzene	1.	U
98-06-6-----	tert-Butylbenzene	1.	U
95-63-6-----	1,2,4-Trimethylbenzene	1.	U
135-98-8-----	sec-Butylbenzene	1.	U
541-73-1-----	1,3-Dichlorobenzene	1.	U
99-87-6-----	4-Isopropyltoluene	1.	U
106-46-7-----	1,4-Dichlorobenzene	1.	U
95-50-1-----	1,2-Dichlorobenzene	1.	U
104-51-8-----	n-Butylbenzene	1.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----	Hexachlorobutadiene	1.	U
120-82-1-----	1,2,4-Trichlorobenzene	1.	U
91-20-3-----	Naphthalene	1.	U
87-61-6-----	1,2,3-Trichlorobenzene	1.	U



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-02

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1187

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/26/98

GC Column: DB-6242 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 10 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DL

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-02DL

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1211

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 50.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50.	U J
74-87-3	Chloromethane	50.	U
75-01-4	Vinyl Chloride	50.	U
74-83-9	Bromomethane	50.	U
75-00-3	Chloroethane	50.	U
75-69-4	Trichlorofluoromethane	50.	U
75-35-4	1,1-Dichloroethene	50.	U J
75-09-2	Methylene Chloride	50.	U
156-60-5	trans-1,2-Dichloroethylene	50.	U
75-34-3	1,1-Dichloroethane	50.	U
590-20-7	2,2-Dichloropropane	50.	U
159-59-4	cis-1,2-Dichloroethene	200.	D
67-66-3	Chloroform	50.	U
563-58-6	1,1-Dichloropropene	50.	U
107-06-2	1,2-Dichloroethane	50.	U
74-97-5	Bromochloromethane	50.	U
71-55-6	1,1,1-Trichloroethane	130.	D
56-23-5	Carbon Tetrachloride	50.	U
71-43-2	Benzene	50.	U J
79-01-6	Trichloroethene	140.	D I
78-87-5	1,2-Dichloropropane	50.	U
74-95-3	Dibromomethane	50.	U
75-27-4	Bromodichloromethane	50.	U
10061-01-5	cis-1,3-Dichloropropene	50.	U
10061-02-6	trans-1,3-Dichloropropene	50.	U
79-00-5	1,1,2-Trichloroethane	50.	U
142-28-9	1,3-Dichloropropane	50.	U
124-48-1	Dibromochloromethane	50.	U
106-93-4	1,2-Dibromoethane	50.	U
75-25-2	Bromoform	50.	U
108-88-3	Toluene	50.	U J
127-18-4	Tetrachloroethene	5600.	D
108-90-7	Chlorobenzene	50.	U
630-20-6	1,1,1,2-Tetrachloroethane	50.	U
100-41-4	Ethylbenzene	50.	U
95-47-6	m,p-Xylene	50.	U
95-47-6	o-Xylene	50.	U

Use these only for

3-6-98

CBM
3-6-98



FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DL

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-02DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1211

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

100-42-5-----	Styrene	50.	U
96-18-4-----	1,2,3-Trichloropropane	50.	U
98-82-8-----	Isopropylbenzene	50.	U
108-86-1-----	Bromobenzene	50.	U
103-65-1-----	n-Propylbenzene	50.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	50.	U
95-49-8-----	2-Chlorotoluene	50.	U
106-43-4-----	4-Chlorotoluene	50.	U
108-67-8-----	1,3,5-Trimethylbenzene	50.	U
98-06-6-----	tert-Butylbenzene	50.	U
95-63-6-----	1,2,4-Trimethylbenzene	50.	U
135-98-8-----	sec-Butylbenzene	50.	U
541-73-1-----	1,3-Dichlorobenzene	50.	U
99-87-6-----	4-Isopropyltoluene	50.	U
106-46-7-----	1,4-Dichlorobenzene	50.	U
95-50-1-----	1,2-Dichlorobenzene	50.	U
104-51-8-----	n-Butylbenzene	50.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	50.	U
87-68-3-----	Hexachlorobutadiene	50.	U
120-82-1-----	1,2,4-Trichlorobenzene	50.	U
91-20-3-----	Naphthalene	50.	U
87-61-6-----	1,2,3-Trichlorobenzene	50.	U

See

*CBM
3-6-98*



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2 (DUP)

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-13

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1222

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/28/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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
75-71-8	Dichlorodifluoromethane	20.	U J
74-87-3	Chloromethane	20.	U
75-01-4	Vinyl Chloride	22.	
74-83-9	Bromomethane	20.	U
75-00-3	Chloroethane	20.	U
75-69-4	Trichlorofluoromethane	20.	U
75-35-4	1,1-Dichloroethene	20.	U J
75-09-2	Methylene Chloride	20.	U
156-60-5	trans-1,2-Dichloroethylene	20.	U
75-34-3	1,1-Dichloroethane	20.	U
590-20-7	2,2-Dichloropropane	20.	U
159-59-4	cis-1,2-Dichloroethene	170.	
67-66-3	Chloroform	20.	U
563-58-6	1,1-Dichloropropene	20.	U
107-06-2	1,2-Dichloroethane	20.	U
74-97-5	Bromochloromethane	20.	U
71-55-6	1,1,1-Trichloroethane	120.	
56-23-5	Carbon Tetrachloride	20.	U
71-43-2	Benzene	20.	U J
79-01-6	Trichloroethene	110.	J
78-87-5	1,2-Dichloropropane	20.	U
74-95-3	Dibromomethane	20.	U
75-27-4	Bromodichloromethane	20.	U
10061-01-5	cis-1,3-Dichloropropene	20.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U
79-00-5	1,1,2-Trichloroethane	20.	U
142-28-9	1,3-Dichloropropane	20.	U
124-48-1	Dibromochloromethane	20.	U
106-93-4	1,2-Dibromoethane	20.	U
75-25-2	Bromoform	20.	U
108-88-3	Toluene	20.	U J
127-18-4	Tetrachloroethene	4600.	E
108-90-7	Chlorobenzene	20.	U
630-20-6	1,1,1,2-Tetrachloroethane	20.	U
100-41-4	Ethylbenzene	20.	U
95-47-6	m,p-Xylene	20.	U
95-47-6	o-Xylene	20.	U

com
3-6-98

See
Dilution



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2 (DUP)

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-13
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1222
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/28/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 20.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

100-42-5-----	Styrene	20.	U
96-18-4-----	1,2,3-Trichloropropane	20.	U
98-82-8-----	Isopropylbenzene	20.	U
108-86-1-----	Bromobenzene	20.	U
103-65-1-----	n-Propylbenzene	20.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	20.	U
95-49-8-----	2-Chlorotoluene	20.	U
106-43-4-----	4-Chlorotoluene	20.	U
108-67-8-----	1,3,5-Trimethylbenzene	20.	U
98-06-6-----	tert-Butylbenzene	20.	U
95-63-6-----	1,2,4-Trimethylbenzene	20.	U
135-98-8-----	sec-Butylbenzene	20.	U
541-73-1-----	1,3-Dichlorobenzene	20.	U
99-87-6-----	4-Isopropyltoluene	20.	U
106-46-7-----	1,4-Dichlorobenzene	20.	U
95-50-1-----	1,2-Dichlorobenzene	20.	U
104-51-8-----	n-Butylbenzene	20.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	20.	U
87-68-3-----	Hexachlorobutadiene	20.	U
120-82-1-----	1,2,4-Trichlorobenzene	20.	U
91-20-3-----	Naphthalene	20.	U
87-61-6-----	1,2,3-Trichlorobenzene	20.	U



1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2 (DUP)

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-13

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1222

Level: (low/med) LOW Date Received: 1/20/98

Moisture: not dec. Date Analyzed: 1/28/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2 (DUP) DL

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-13DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1213

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.

COMPOUND

Q

75-71-8-----	Dichlorodifluoromethane	50.	U J
74-87-3-----	Chloromethane	50.	U
75-01-4-----	Vinyl Chloride	50.	U
74-83-9-----	Bromomethane	50.	U
75-00-3-----	Chloroethane	50.	U
75-69-4-----	Trichlorofluoromethane	50.	U
75-35-4-----	1,1-Dichloroethene	50.	U J
75-09-2-----	Methylene Chloride	50.	U
156-60-5-----	trans-1,2-Dichloroethylene	50.	U
75-34-3-----	1,1-Dichloroethane	50.	U
590-20-7-----	2,2-Dichloropropane	50.	U
159-59-4-----	cis-1,2-Dichloroethene	190.	D
67-66-3-----	Chloroform	50.	U
563-58-6-----	1,1-Dichloropropene	50.	U
107-06-2-----	1,2-Dichloroethane	50.	U
74-97-5-----	Bromochloromethane	50.	U
71-55-6-----	1,1,1-Trichloroethane	130.	D
56-23-5-----	Carbon Tetrachloride	50.	U
71-43-2-----	Benzene	50.	U J
79-01-6-----	Trichloroethene	120.	D J
78-87-5-----	1,2-Dichloropropane	50.	U
74-95-3-----	Dibromomethane	50.	U
75-27-4-----	Bromodichloromethane	50.	U
10061-01-5-----	cis-1,3-Dichloropropene	50.	U
10061-02-6-----	trans-1,3-Dichloropropene	50.	U
79-00-5-----	1,1,2-Trichloroethane	50.	U
142-28-9-----	1,3-Dichloropropane	50.	U
124-48-1-----	Dibromochloromethane	50.	U
106-93-4-----	1,2-Dibromoethane	50.	U
75-25-2-----	Bromoform	50.	U
108-88-3-----	Toluene	50.	U J
127-18-4-----	Tetrachloroethene	5400.	D
108-90-7-----	Chlorobenzene	50.	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50.	U
100-41-4-----	Ethylbenzene	50.	U
95-47-6-----	m,p-Xylene	50.	U
95-47-6-----	o-Xylene	50.	U

CBM
3-6-98

USE THIS ONLY

CBM 3/90

FORM I VOA



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2 (DUP) DL

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-13DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1213

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	Q
100-42-5	Styrene	50. U
96-18-4	1,2,3-Trichloropropane	50. U
98-82-8	Isopropylbenzene	50. U
108-86-1	Bromobenzene	50. U
103-65-1	n-Propylbenzene	50. U
79-34-5	1,1,2,2-Tetrachloroethane	50. U
95-49-8	2-Chlorotoluene	50. U
106-43-4	4-Chlorotoluene	50. U
108-67-8	1,3,5-Trimethylbenzene	50. U
98-06-6	tert-Butylbenzene	50. U
95-63-6	1,2,4-Trimethylbenzene	50. U
135-98-8	sec-Butylbenzene	50. U
541-73-1	1,3-Dichlorobenzene	50. U
99-87-6	4-Isopropyltoluene	50. U
106-46-7	1,4-Dichlorobenzene	50. U
95-50-1	1,2-Dichlorobenzene	50. U
104-51-8	n-Butylbenzene	50. U
96-12-8	1,2-Dibromo-3-chloropropane	50. U
87-68-3	Hexachlorobutadiene	50. U
120-82-1	1,2,4-Trichlorobenzene	50. U
91-20-3	Naphthalene	50. U
87-61-6	1,2,3-Trichlorobenzene	50. U

See original
COBm



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-03

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1208

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	UJ
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	UJ
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	7.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	UJ
79-01-6	Trichloroethene	0.8	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	UJ
127-18-4	Tetrachloroethene	0.7	J
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98

FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1208

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	UG/L	Q
100-42-5-----	Styrene	1.	U
96-18-4-----	1,2,3-Trichloropropane	1.	U
98-82-8-----	Isopropylbenzene	1.	U
108-86-1-----	Bromobenzene	1.	U
103-65-1-----	n-Propylbenzene	1.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----	2-Chlorotoluene	1.	U
106-43-4-----	4-Chlorotoluene	1.	U
108-67-8-----	1,3,5-Trimethylbenzene	1.	U
98-06-6-----	tert-Butylbenzene	1.	U
95-63-6-----	1,2,4-Trimethylbenzene	1.	U
135-98-8-----	sec-Butylbenzene	1.	U
541-73-1-----	1,3-Dichlorobenzene	1.	U
99-87-6-----	4-Isopropyltoluene	1.	U
106-46-7-----	1,4-Dichlorobenzene	1.	U
95-50-1-----	1,2-Dichlorobenzene	1.	U
104-51-8-----	n-Butylbenzene	1.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----	Hexachlorobutadiene	1.	U
120-82-1-----	1,2,4-Trichlorobenzene	1.	U
91-20-3-----	Naphthalene	1.	U
87-61-6-----	1,2,3-Trichlorobenzene	1.	U



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-03

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1208

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1212

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO. COMPOUND UG/L 2

CAS NO.	COMPOUND	UG/L	2
75-71-8	Dichlorodifluoromethane	1.	U J
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	39.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	2.	
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	120.	E
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	0.8	J
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U J
79-01-6	Trichloroethene	35.	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U J
127-18-4	Tetrachloroethene	170.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

Use THIS

120 J

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CBM
3-6-98

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1212

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5-----	Styrene	1.	U
96-18-4-----	1,2,3-Trichloropropane	1.	U
98-82-8-----	Isopropylbenzene	1.	U
108-86-1-----	Bromobenzene	1.	U
103-65-1-----	n-Propylbenzene	1.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----	2-Chlorotoluene	1.	U
106-43-4-----	4-Chlorotoluene	1.	U
108-67-8-----	1,3,5-Trimethylbenzene	1.	U
98-06-6-----	tert-Butylbenzene	1.	U
95-63-6-----	1,2,4-Trimethylbenzene	1.	U
135-98-8-----	sec-Butylbenzene	1.	U
541-73-1-----	1,3-Dichlorobenzene	1.	U
99-87-6-----	4-Isopropyltoluene	1.	U
106-46-7-----	1,4-Dichlorobenzene	1.	U
95-50-1-----	1,2-Dichlorobenzene	1.	U
104-51-8-----	n-Butylbenzene	1.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----	Hexachlorobutadiene	1.	U
120-82-1-----	1,2,4-Trichlorobenzene	1.	U
91-20-3-----	Naphthalene	1.	U
87-61-6-----	1,2,3-Trichlorobenzene	1.	U



1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-04

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1212

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4DL

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-04DL
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1206
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.	U J
74-87-3	Chloromethane	5.	U
75-01-4	Vinyl Chloride	45.	D
74-83-9	Bromomethane	5.	U
75-00-3	Chloroethane	5.	U
75-69-4	Trichlorofluoromethane	5.	U
75-35-4	1,1-Dichloroethene	5.	U J
75-09-2	Methylene Chloride	5.	U
156-60-5	trans-1,2-Dichloroethylene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
590-20-7	2,2-Dichloropropane	5.	U
159-59-4	cis-1,2-Dichloroethene	5.	U
67-66-3	Chloroform	5.	U
563-58-6	1,1-Dichloropropene	5.	U
107-06-2	1,2-Dichloroethane	5.	U
74-97-5	Bromochloromethane	5.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
71-43-2	Benzene	5.	U J
79-01-6	Trichloroethene	41.	D J
78-87-5	1,2-Dichloropropane	5.	U
74-95-3	Dibromomethane	5.	U
75-27-4	Bromodichloromethane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
142-28-9	1,3-Dichloropropane	5.	U
124-48-1	Dibromochloromethane	5.	U
106-93-4	1,2-Dibromoethane	5.	U
75-25-2	Bromoform	5.	U
108-88-3	Toluene	5.	U J
127-18-4	Tetrachloroethene	210.	D
108-90-7	Chlorobenzene	5.	U
630-20-6	1,1,1,2-Tetrachloroethane	5.	U
100-41-4	Ethylbenzene	5.	U
95-47-6	m,p-Xylene	5.	U
95-47-6	o-Xylene	5.	U

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3-6-98

USE THIS CBM



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4DL

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-04DL

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1206

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5-----	Styrene	5.	U
96-18-4-----	1,2,3-Trichloropropane	5.	U
98-82-8-----	Isopropylbenzene	5.	U
108-86-1-----	Bromobenzene	5.	U
103-65-1-----	n-Propylbenzene	5.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5.	U
95-49-8-----	2-Chlorotoluene	5.	U
106-43-4-----	4-Chlorotoluene	5.	U
108-67-8-----	1,3,5-Trimethylbenzene	5.	U
98-06-6-----	tert-Butylbenzene	5.	U
95-63-6-----	1,2,4-Trimethylbenzene	5.	U
135-98-8-----	sec-Butylbenzene	5.	U
541-73-1-----	1,3-Dichlorobenzene	5.	U
99-87-6-----	4-Isopropyltoluene	5.	U
106-46-7-----	1,4-Dichlorobenzene	5.	U
95-50-1-----	1,2-Dichlorobenzene	5.	U
104-51-8-----	n-Butylbenzene	5.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	5.	U
87-68-3-----	Hexachlorobutadiene	5.	U
120-82-1-----	1,2,4-Trichlorobenzene	5.	U
91-20-3-----	Naphthalene	5.	U
87-61-6-----	1,2,3-Trichlorobenzene	5.	U



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-05
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1209
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	U J
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	5.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	35.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U J
79-01-6	Trichloroethene	14.	U J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U J
127-18-4	Tetrachloroethene	41.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-05

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1209

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

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

100-42-5-----	Styrene	1.	U
96-18-4-----	1,2,3-Trichloropropane	1.	U
98-82-8-----	Isopropylbenzene	1.	U
108-86-1-----	Bromobenzene	1.	U
103-65-1-----	n-Propylbenzene	1.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----	2-Chlorotoluene	1.	U
106-43-4-----	4-Chlorotoluene	1.	U
108-67-8-----	1,3,5-Trimethylbenzene	1.	U
98-06-6-----	tert-Butylbenzene	1.	U
95-63-6-----	1,2,4-Trimethylbenzene	1.	U
135-98-8-----	sec-Butylbenzene	1.	U
541-73-1-----	1,3-Dichlorobenzene	1.	U
99-87-6-----	4-Isopropyltoluene	1.	U
106-46-7-----	1,4-Dichlorobenzene	1.	U
95-50-1-----	1,2-Dichlorobenzene	1.	U
104-51-8-----	n-Butylbenzene	1.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----	Hexachlorobutadiene	1.	U
120-82-1-----	1,2,4-Trichlorobenzene	1.	U
91-20-3-----	Naphthalene	1.	U
87-61-6-----	1,2,3-Trichlorobenzene	1.	U



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-6

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-05
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1209
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-06
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1217
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	UJ
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	4.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	UJ
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	32.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	UJ
79-01-6	Trichloroethene	18.	I
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	UJ
127-18-4	Tetrachloroethene	93.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBA
3-6-98



FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDS No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-06

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1217

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

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

100-42-5-----Styrene	1.	U
96-18-4-----1,2,3-Trichloropropane	1.	U
98-82-8-----Isopropylbenzene	1.	U
108-86-1-----Bromobenzene	1.	U
103-65-1-----n-Propylbenzene	1.	U
79-34-5-----1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----2-Chlorotoluene	1.	U
106-43-4-----4-Chlorotoluene	1.	U
108-67-8-----1,3,5-Trimethylbenzene	1.	U
98-06-6-----tert-Butylbenzene	1.	U
95-63-6-----1,2,4-Trimethylbenzene	1.	U
135-98-8-----sec-Butylbenzene	1.	U
541-73-1-----1,3-Dichlorobenzene	1.	U
99-87-6-----4-Isopropyltoluene	1.	U
106-46-7-----1,4-Dichlorobenzene	1.	U
95-50-1-----1,2-Dichlorobenzene	1.	U
104-51-8-----n-Butylbenzene	1.	U
96-12-8-----1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----Hexachlorobutadiene	1.	U
120-82-1-----1,2,4-Trichlorobenzene	1.	U
91-20-3-----Naphthalene	1.	U
87-61-6-----1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90



315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-7

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-06

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1217

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-07
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1201
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1.	UJ
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	2.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	UJ
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	3.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	UJ
79-01-6	Trichloroethene	0.8	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	UJ
127-18-4	Tetrachloroethene	2.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98

FORM I VOA

3/90



315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-07

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1201

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

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

100-42-5-----Styrene	1.	U
96-18-4-----1,2,3-Trichloropropane	1.	U
98-82-8-----Isopropylbenzene	1.	U
108-86-1-----Bromobenzene	1.	U
103-65-1-----n-Propylbenzene	1.	U
79-34-5-----1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----2-Chlorotoluene	1.	U
106-43-4-----4-Chlorotoluene	1.	U
108-67-8-----1,3,5-Trimethylbenzene	1.	U
98-06-6-----tert-Butylbenzene	1.	U
95-63-6-----1,2,4-Trimethylbenzene	1.	U
135-98-8-----sec-Butylbenzene	1.	U
541-73-1-----1,3-Dichlorobenzene	1.	U
99-87-6-----4-Isopropyltoluene	1.	U
106-46-7-----1,4-Dichlorobenzene	1.	U
95-50-1-----1,2-Dichlorobenzene	1.	U
104-51-8-----n-Butylbenzene	1.	U
96-12-8-----1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----Hexachlorobutadiene	1.	U
120-82-1-----1,2,4-Trichlorobenzene	1.	U
91-20-3-----Naphthalene	1.	U
87-61-6-----1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-8

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-07

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1201

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

Number TICs Found: 10 **CONCENTRATION UNITS:**
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-08
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1202
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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
75-71-8	Dichlorodifluoromethane	1.	U J
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	41.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	0.8	J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	3.	
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	590.	E
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U J
79-01-6	Trichloroethene	130.	E J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U J
127-18-4	Tetrachloroethene	680.	E
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

see oil
CBM see oil 3-6-98

see oil



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-08
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1202
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90



315 Fullerton Avenue
Newburgh, NY 12550

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-9

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-08

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1202

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

Number TICs Found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9DL

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-08DL
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1210
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 10.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10.	U
74-87-3	Chloromethane	10.	U
75-01-4	Vinyl Chloride	45.	D
74-83-9	Bromomethane	10.	U
75-00-3	Chloroethane	10.	U
75-69-4	Trichlorofluoromethane	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-09-2	Methylene Chloride	10.	U
156-60-5	trans-1,2-Dichloroethylene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
590-20-7	2,2-Dichloropropane	10.	U
159-59-4	cis-1,2-Dichloroethene	700.	D
67-66-3	Chloroform	10.	U
563-58-6	1,1-Dichloropropene	10.	U
107-06-2	1,2-Dichloroethane	10.	U
74-97-5	Bromochloromethane	10.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
71-43-2	Benzene	10.	U
79-01-6	Trichloroethene	150.	D
78-87-5	1,2-Dichloropropane	10.	U
74-95-3	Dibromomethane	10.	U
75-27-4	Bromodichloromethane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
142-28-9	1,3-Dichloropropane	10.	U
124-48-1	Dibromochloromethane	10.	U
106-93-4	1,2-Dibromoethane	10.	U
75-25-2	Bromoform	10.	U
108-88-3	Toluene	10.	U
127-18-4	Tetrachloroethene	1000.	D
108-90-7	Chlorobenzene	10.	U
630-20-6	1,1,1,2-Tetrachloroethane	10.	U
100-41-4	Ethylbenzene	10.	U
95-47-6	m,p-Xylene	10.	U
95-47-6	o-Xylene	10.	U

CBM
3-6-98

FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9DL

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-08DL

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1210

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 10.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

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

CAS NO.

COMPOUND

Q

100-42-5-----	Styrene	10.	U
96-18-4-----	1,2,3-Trichloropropane	10.	U
98-82-8-----	Isopropylbenzene	10.	U
108-86-1-----	Bromobenzene	10.	U
103-65-1-----	n-Propylbenzene	10.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10.	U
95-49-8-----	2-Chlorotoluene	10.	U
106-43-4-----	4-Chlorotoluene	10.	U
108-67-8-----	1,3,5-Trimethylbenzene	10.	U
98-06-6-----	tert-Butylbenzene	10.	U
95-63-6-----	1,2,4-Trimethylbenzene	10.	U
135-98-8-----	sec-Butylbenzene	10.	U
541-73-1-----	1,3-Dichlorobenzene	10.	U
99-87-6-----	4-Isopropyltoluene	10.	U
106-46-7-----	1,4-Dichlorobenzene	10.	U
95-50-1-----	1,2-Dichlorobenzene	10.	U
104-51-8-----	n-Butylbenzene	10.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	10.	U
87-68-3-----	Hexachlorobutadiene	10.	U
120-82-1-----	1,2,4-Trichlorobenzene	10.	U
91-20-3-----	Naphthalene	10.	U
87-61-6-----	1,2,3-Trichlorobenzene	10.	U

*Use original
C18m
3-6-98*

FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-09
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1207
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/27/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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
75-71-8	Dichlorodifluoromethane	1.	U J
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	4.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	20.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U J
79-01-6	Trichloroethene	2.	J
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U J
127-18-4	Tetrachloroethene	12.	
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98



FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142 Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-09

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1207

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR-1

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-09

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1207

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-2

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-10

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: VI204

Level: (low/mad) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

CAS NO.

COMPOUND

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

Q

75-71-8	Dichlorodifluoromethane	1.	U
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	13.	
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	
159-59-4	cis-1,2-Dichloroethene	65.	
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	2.	
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	19.	
79-01-6	Trichloroethene	1.	U
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	130.	
127-18-4	Tetrachloroethene	1.	U
108-90-7	Chlorobenzene		
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98

FORM I VOA

3/90

000135



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-2

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-10

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1204

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90



000136

315 Fullerton Avenue
Newburgh, NY 12550

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR-2

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 101202-10

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1204

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I VOA-TIC

000137

3/90



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-3

Lab Name: Severn Trent Envirotest Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-11

Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1205

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: not dec. Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

75-71-8	Dichlorodifluoromethane	1.	U J
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	1.	U
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U J
79-01-6	Trichloroethene	1.	U
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U J
127-18-4	Tetrachloroethene	0.6	J
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-3

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-11

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1205

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

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

100-42-5-----	Styrene	1.	U
96-18-4-----	1,2,3-Trichloropropane	1.	U
98-82-8-----	Isopropylbenzene	1.	U
108-86-1-----	Bromobenzene	1.	U
103-65-1-----	n-Propylbenzene	1.	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.	U
95-49-8-----	2-Chlorotoluene	1.	U
106-43-4-----	4-Chlorotoluene	1.	U
108-67-8-----	1,3,5-Trimethylbenzene	1.	U
98-06-6-----	tert-Butylbenzene	1.	U
95-63-6-----	1,2,4-Trimethylbenzene	1.	U
135-98-8-----	sec-Butylbenzene	1.	U
541-73-1-----	1,3-Dichlorobenzene	1.	U
99-87-6-----	4-Isopropyltoluene	1.	U
106-46-7-----	1,4-Dichlorobenzene	1.	U
95-50-1-----	1,2-Dichlorobenzene	1.	U
104-51-8-----	n-Butylbenzene	1.	U
96-12-8-----	1,2-Dibromo-3-chloropropane	1.	U
87-68-3-----	Hexachlorobutadiene	1.	U
120-82-1-----	1,2,4-Trichlorobenzene	1.	U
91-20-3-----	Naphthalene	1.	U
87-61-6-----	1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR-3

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-11

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1205

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/27/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

Number TICs Found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.67-6-4--1	Acetone	5.25	15.	J
2.1634-0-4--	MTBE	6.90	2.	
3.108-1-0--1	4-Methyl-2-pentanone	15.33	2.	
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CBM
~~23~~
3-6-98



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142 Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-12

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1218

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/28/98

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0 (uL)

Soil Aliquot Volume: 0 (uL)

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

75-71-8	Dichlorodifluoromethane	1.	U J
74-87-3	Chloromethane	1.	U
75-01-4	Vinyl Chloride	1.	U
74-83-9	Bromomethane	1.	U
75-00-3	Chloroethane	1.	U
75-69-4	Trichlorofluoromethane	1.	U
75-35-4	1,1-Dichloroethene	1.	U J
75-09-2	Methylene Chloride	1.	U
156-60-5	trans-1,2-Dichloroethylene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
590-20-7	2,2-Dichloropropane	1.	U
159-59-4	cis-1,2-Dichloroethene	1.	U
67-66-3	Chloroform	1.	U
563-58-6	1,1-Dichloropropene	1.	U
107-06-2	1,2-Dichloroethane	1.	U
74-97-5	Bromochloromethane	1.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon Tetrachloride	1.	U
71-43-2	Benzene	1.	U J
79-01-6	Trichloroethene	1.	U ^{na}
78-87-5	1,2-Dichloropropane	1.	U
74-95-3	Dibromomethane	1.	U
75-27-4	Bromodichloromethane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
142-28-9	1,3-Dichloropropane	1.	U
124-48-1	Dibromochloromethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U
75-25-2	Bromoform	1.	U
108-88-3	Toluene	1.	U J
127-18-4	Tetrachloroethene	1.	U
108-90-7	Chlorobenzene	1.	U
630-20-6	1,1,1,2-Tetrachloroethane	1.	U
100-41-4	Ethylbenzene	1.	U
95-47-6	m,p-Xylene	1.	U
95-47-6	o-Xylene	1.	U

CBM
3-6-98



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Severn Trent Envirotest Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-12
 Sample wt/vol: 5.00 (g/ml) ML Lab File ID: V1218
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: not dec. Date Analyzed: 1/28/98
 GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 0 (uL) Soil Aliquot Volume: 0 (uL)

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

CAS NO.	COMPOUND	UG/L	Q
100-42-5	Styrene	1.	U
96-18-4	1,2,3-Trichloropropane	1.	U
98-82-8	Isopropylbenzene	1.	U
108-86-1	Bromobenzene	1.	U
103-65-1	n-Propylbenzene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
95-49-8	2-Chlorotoluene	1.	U
106-43-4	4-Chlorotoluene	1.	U
108-67-8	1,3,5-Trimethylbenzene	1.	U
98-06-6	tert-Butylbenzene	1.	U
95-63-6	1,2,4-Trimethylbenzene	1.	U
135-98-8	sec-Butylbenzene	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
99-87-6	4-Isopropyltoluene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U
95-50-1	1,2-Dichlorobenzene	1.	U
104-51-8	n-Butylbenzene	1.	U
96-12-8	1,2-Dibromo-3-chloropropane	1.	U
87-68-3	Hexachlorobutadiene	1.	U
120-82-1	1,2,4-Trichlorobenzene	1.	U
91-20-3	Naphthalene	1.	U
87-61-6	1,2,3-Trichlorobenzene	1.	U

FORM I VOA

3/90



1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Severn Trent Envirotest

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-12

Sample wt/vol: 5.00 (g/ml) ML

Lab File ID: V1218

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: not dec.

Date Analyzed: 1/28/98

GC Column: DB-624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 0

(uL)

Soil Aliquot Volume: 0

(uL)

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-02

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

Lab File ID: E11121

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)	UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U	J
111-44-4	bis(2-Chloroethyl) ether	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	
100-57-6	Benzyl alcohol	10.	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U	
67-72-1	Hexachloroethane	10.	U	
621-64-7	N-Nitroso-di-n-propylamine	10.	U	
989-53-0	Nitrobenzene	10.	U	
78-59-1	Isophorone	10.	U	
111-91-1	bis(2-Chloroethoxy) methane	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	
91-57-6	2-Methylnaphthalene	10.	U	
77-47-4	Hexachlorocyclopentadiene	10.	U	
91-58-7	2-Chloronaphthalene	10.	U	
88-74-4	2-Nitroaniline	25.	U	
208-96-8	Acenaphthylene	10.	U	
131-11-3	Dimethylphthalate	10.	U	
606-20-2	2,6-Dinitrotoluene	10.	U	
83-32-9	Acenaphthene	10.	U	
99-09-2	3-Nitroaniline	25.	U	
132-64-9	Dibenzofuran	10.	U	
121-14-2	2,4-Dinitrotoluene	10.	U	
86-73-7	Fluorene	10.	U	
7005-72-3	4-Chlorophenyl-phenylether	10.	U	
84-66-2	Diethylphthalate	10.	U	
100-01-6	4-Nitroaniline	25.	U	
86-30-6	n-Nitrosodiphenylamine (1)	10.	U	
101-55-3	4-Bromophenyl-phenylether	10.	U	

CBM

3-6-98

FORM I SV-1

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841



1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-02

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

Lab File ID: E11121

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

118-74-1	Hexachlorobenzene	10.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U J
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	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-Octylphthalate	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

Cbm
3-6-98

(1) - Cannot be separated from Diphenylamine



1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-02
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11121
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I SV-TIC

3/90

000269A

315 Fullerton Avenue
Newburgh, NY 12550



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DUP

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-13

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

Lab File ID: E11126

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

62-75-9	n-Nitrosodimethylamine	10.	U J
111-44-4	bis(2-Chloroethyl) ether	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
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

CBM
3-6-98



1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2DUP

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-13
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11126
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NO. COMPOUND Q

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	10.	U
120-12-7-----Anthracene	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	20.	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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine



1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-2DUP

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141

Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202

Matrix: (soil/water) WATER Lab Sample ID: 181202-13

Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11126

Level: (low/med) LOW Date Received: 1/20/98

% Moisture: decanted: (Y/N) Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

Number TICs Found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-03

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

Lab File ID: S7435

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 2/01/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 0.0

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	n-Nitrosodimethylamine	10.	U
111-44-4	bis(2-Chloroethyl) ether	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
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy) methane	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
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

CBM
3-6-98

FORM I SV-1

3/90

315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890
Fax: (914) 562-0841



1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142

Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-03

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

Lab File ID: S7435

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 2/01/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	10.	U
120-12-7-----Anthracene	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	20.	U <i>✓</i>
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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine



1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-3

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-03
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: S7435
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 2/01/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

Number TICs Found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	C7H14 isomer	3.90	2.	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-met	4.49	3.	J
3.	Unknown	18.90	4.	J
4.	Unknown CnH2n	20.34	3.	J
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FORM I SV-TIC

3/90



000275A

315 Fullerton Avenue
Newburgh, NY 12550

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-04
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11123
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NO. COMPOUND UG/L Q

62-75-9-----n-Nitrosodimethylamine	10.	U J
111-44-4-----bis(2-Chloroethyl) ether	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
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy)methane	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
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

Cbm
3-6-98

FORM I SV-1

3/90



315 Fullerton Avenue
Newburgh, NY 12550

Tel: (914) 562-0890

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-04
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11123
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

118-74-1-----Hexachlorobenzene	10.	U
85-01-8-----Phenanthrene	10.	U
120-12-7-----Anthracene	10.	U
84-74-2-----Di-n-butylphthalate	10.	U
206-44-0-----Fluoranthene	10.	U ^J
129-00-0-----Pyrene	10.	U
85-68-7-----Butylbenzylphthalate	10.	U
91-94-1-----3,3'-Dichlorobenzidine	20.	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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine



1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-4

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-04
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11123
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====				
1.	Unknown	3.73	2.	J
2.	Unknown	4.14	3.	J
3.	Unknown	4.41	4.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-05
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11124
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

62-75-9-----n-Nitrosodimethylamine	10.	U J
111-44-4-----bis(2-Chloroethyl) ether	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
100-57-6-----Benzyl alcohol	10.	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1-----Hexachloroethane	10.	U
621-64-7-----N-Nitroso-di-n-propylamine	10.	U
989-53-0-----Nitrobenzene	10.	U
78-59-1-----Isophorone	10.	U
111-91-1-----bis(2-Chloroethoxy)methane	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
91-57-6-----2-Methylnaphthalene	10.	U
77-47-4-----Hexachlorocyclopentadiene	10.	U
91-58-7-----2-Chloronaphthalene	10.	U
88-74-4-----2-Nitroaniline	25.	U
208-96-8-----Acenaphthylene	10.	U
131-11-3-----Dimethylphthalate	10.	U
606-20-2-----2,6-Dinitrotoluene	10.	U
83-32-9-----Acenaphthene	10.	U
99-09-2-----3-Nitroaniline	25.	U
132-64-9-----Dibenzofuran	10.	U
121-14-2-----2,4-Dinitrotoluene	10.	U
86-73-7-----Fluorene	10.	U
7005-72-3-----4-Chlorophenyl-phenylether	10.	U
84-66-2-----Diethylphthalate	10.	U
100-01-6-----4-Nitroaniline	25.	U
86-30-6-----n-Nitrosodiphenylamine (1)	10.	U
101-55-3-----4-Bromophenyl-phenylether	10.	U

cbm
3-6-98



1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-05
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11124
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U <i>J</i>
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine



FORM I SV-2

3/90

315 Fullerton Avenue
Newburgh, NY 12550

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-6

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-05
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11124
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.41	2.	J
2.				
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FORM I SV-TIC

3/90



000294A

315 Fullerton Avenue
 Newburgh, NY 12550

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142 Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-09

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

Lab File ID: E11125

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

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

62-75-9	n-Nitrosodimethylamine	10.	U J
111-44-4	bis(2-Chloroethyl) ether	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
100-57-6	Benzyl alcohol	10.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10.	U
67-72-1	Hexachloroethane	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U
989-53-0	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	25.	U
208-96-8	Acenaphthylene	10.	U
131-11-3	Dimethylphthalate	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
83-32-9	Acenaphthene	10.	U
99-09-2	3-Nitroaniline	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
86-73-7	Fluorene	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
84-66-2	Diethylphthalate	10.	U
100-01-6	4-Nitroaniline	25.	U
86-30-6	n-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U

CBM
3-6-98

FORM I SV-1

3/90

315 Fullerton Avenue
Newburgh, NY 12550



Tel: (914) 562-0890
Fax: (914) 562-0841

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR-1

Lab Name: SEVERN TRENT ENVIROTEST

Contract: 95141

Lab Code: 10142 Case No.: #####

SAS No.: #####

SDG No.: AG202

Matrix: (soil/water) WATER

Lab Sample ID: 181202-09

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

Lab File ID: E11125

Level: (low/med) LOW

Date Received: 1/20/98

% Moisture: decanted: (Y/N)

Date Extracted: 1/24/98

Concentrated Extract Volume: 1000.0 (uL)

Date Analyzed: 1/28/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 0.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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118-74-1-----	Hexachlorobenzene	10.	U
85-01-8-----	Phenanthrene	10.	U
120-12-7-----	Anthracene	10.	U
84-74-2-----	Di-n-butylphthalate	10.	U
206-44-0-----	Fluoranthene	10.	U <i>J</i>
129-00-0-----	Pyrene	10.	U
85-68-7-----	Butylbenzylphthalate	10.	U
91-94-1-----	3,3'-Dichlorobenzidine	20.	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-Octylphthalate	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

CBM
3-6-98

(1) - Cannot be separated from Diphenylamine



1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR-1

Lab Name: SEVERN TRENT ENVIROTEST Contract: 95141
 Lab Code: 10142 Case No.: ##### SAS No.: ##### SDG No.: AG202
 Matrix: (soil/water) WATER Lab Sample ID: 181202-09
 Sample wt/vol: 1000.0 (g/ml) ML Lab File ID: E11125
 Level: (low/med) LOW Date Received: 1/20/98
 % Moisture: decanted: (Y/N) Date Extracted: 1/24/98
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 1/28/98
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 0.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	3.87	4.	J
2.	Unknown	4.41	3.	J
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