



Shive

MEMORANDUM

TO: Distribution below
FROM: Shive R. Mittal, DHWR, Central Office *S. Mittal*
SUBJECT: Union Road Site, Erie County, New York, Site No. 9-15-128
DATE: September 26, 1994

A public meeting for the Union Road Site was held on July 13, 1994. At this meeting a resident residing at 137 Hillpine Road, Cheektowaga, New York expressed concern about the contamination in Slate Bottom Creek in the vicinity of Hillpine Road. Therefore, on August 24, 1994 the Slate Bottom Creek was inspected and sediment samples were collected. The following is a brief description of the inspection and sampling activities:

Date: August 24, 1994
Weather: Clear
Present: A. English, BWRA
D. Locey, Region 9,
S. Mittal, BWRA
M. Rivara, NYSDOH
Rob Swider, NYSDOH

Survey:

The portion of the Creek between the west face of the Railroad culvert (near 137 Hillpine Road) and the east face of the culvert at the Union Road was Surveyed. The Survey included a walk along the banks of the Creek to visually identify the migration of tar like material along the Creek. At the time of sampling the flow in the Creek was moderate to low with 6 to 12 inches of standing water at most places. A shovel was used to expose the Creek bed sediments and bank deposits every 50 to 100 feet. Probing along the banks of the Creek near the water line indicated few black tar like material in small lumps with petroleum like odor at few isolated locations. Extensive investigation using shovel was not possible in the bed of the Creek due to water. Limited probing in the center of the Creek did not show any visual signs of contamination in the bed of the Creek.

Special effort was made to visually identify contamination at the two former locations (sample locations of SBC-SD6 and SBC-BW1) where contamination was found during April 9, 1990 sampling event. No visual contamination was found in these areas. Some scouring/sedimentation appeared to have taken place over the years.

Sampling Method and Sample Collection:

Seven sediment samples SBC-1 through SBC-7 were collected from the Creek. The samples were collected from depths varying from 0 to 12 inches. Dedicated plastic spoons were used to collect and transfer the samples to glass jars. Two 4 ounce glass jars were filled with sample from each location. The samples were transported to the Ecology and Environment Laboratory for analysis for metals, semi-volatiles and total petroleum hydrocarbon. The approximate locations of the sampling points were marked in the field by marking tape. No measurements of the locations were taken. See attached figure for approximate locations. The following samples were collected:

SBC-1: This sample was collected from the south bank of the Creek at approximately 150 feet up stream (u/s) of the east face of the culvert at the Union Road. The sample was black/brown in color with some petroleum like odor, silty in texture and was collected from 9 to 12 inches depth from a location above the current water line.

SBC-2: This sample was collected from the south bank of the Creek at approximately 200 feet u/s of the east face of the culvert at the Union Road. The sample was grayish black in color with strong petroleum like odor and was collected from 0 to 6 inches depth near the water line. The texture of the sample was silty with some gravel.

SBC-3: This sample was collected from the north bank of the Creek at the outer bend u/s from sample location of SBC-2. The sample was black in color with strong petroleum like odor, silty in texture and was collected from 6 to 12 inches depth at a location above the water line.

SBC-4: This sample was collected from the south bank of the Creek at approximately 50 feet d/s of the tributary on the south bank. This sample was collected from the general area where sample SBC-SD6 was collected during April 9, 1990 sampling event. The sample was grayish black in color with decayed organic materials, silty in texture and was collected from 0 to 6 inches depth near the water line.

SBC-5: This sample was collected from the north bank of the Creek at approximately 75 feet u/s of the tributary on the south bank. The sample was black in color with

decayed organic roots, silty with some sand and was collected from 0 to 9 inches depth near the water line.

SBC-6: This sample was collected from the south bank of the Creek at approximately 75 feet d/s of the west face of the concrete Railroad culvert. This location appears to be very close to the location where sample SBC-BW1 was collected on April 9, 1990 during RI. The sample was black/brown in color with silt sand and some gravel and was collected from 0 to 6 inches depth near the water line.

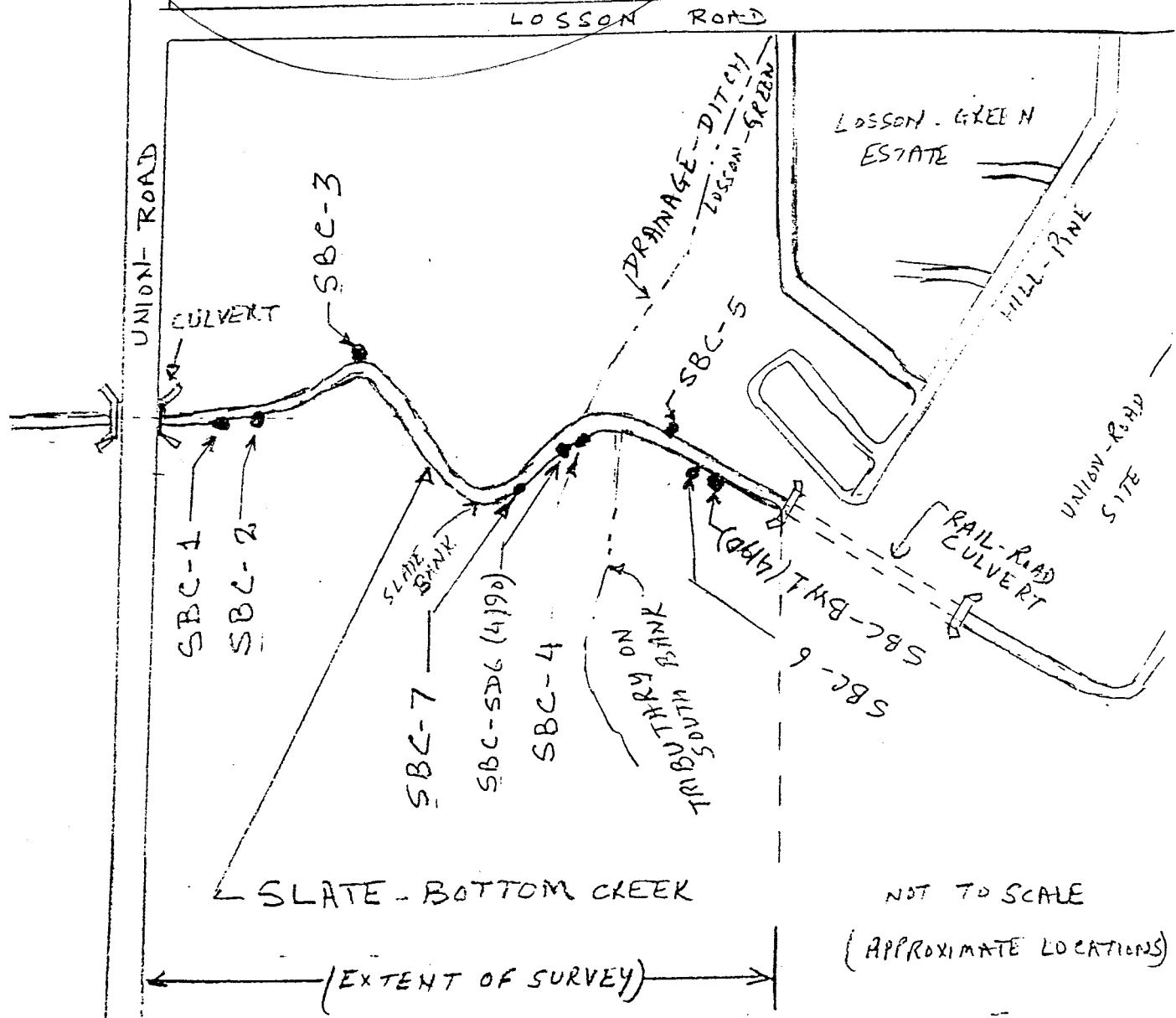
SBC-7: This sample was collected from the south bank of the Creek at approximately 75 feet u/s of the bend containing loose slate stones between samples SBC-3 and SBC-4. The sample was blackish grey in color containing roots and decayed organic material. The sample was silty with some sand and was collected from bank near water line.

The samples SBC-1, SBC-2 and SBC-3 were collected from the spots which appeared to be contaminated based on visual (tar like) and/or odor (petroleum) consideration. Samples SBC-4 and SBC-6 were collected from the general area of April 1990 sampling (SBC-SD6 and SBC-BW1).

DISTRIBUTION:

M. Rivara, NYSDOH
M. Doster/D. Locey, Region 9
A. English
S. Mittal

LOCATION	SAMPLE #
SBC-1	A461-01
SBC-2	A461-02
"	"
"	"
"	"



DATE OF SURVEY AND SAMPLING AUG 20, 1994

UNION-ROAD-SITE
9-15-128

To be included with all lab data and with each workplan

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					Metals	Other
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #			
A46101	11602		91-2				CLP EPH48.1	
A46102	11603							
A46103	11604							
A46104	11605							
A46105	11606							
A46106	11607							
A46107	11608							

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrx	Date Collected	Date Recd at Lab	Date Extracted	Date Analyzed
11602	SOIL	8-24-94	8-24-94	8-25-94	9-9-94
11603	↓	↓	↓	↓	9-7-94
11604	↓	↓	↓	↓	9-9-94
11605	↓	↓	↓	↓	↓
11606	↓	↓	↓	↓	9-8-94
11607	↓	↓	↓	↓	9-9-94
11608	↓	↓	↓	↓	↓
<u>Re-Extractions:</u>					
11602	SOIL	8-24-94	8-24-94	9-14-94	9-20-94
11603	↓	↓	↓	↓	9-19-94
11604	↓	↓	↓	9-19-94	9-21-94
11605	↓	↓	↓	9-14-94	↓
11606	↓	↓	↓	9-19-94	↓
11607	↓	↓	↓	9-14-94	9-19-94
11608	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Div/Conc Factor
11602	Soil	91-2	3550	GPC	1
11603					
11604					
11605					
11606					
11607					
11608					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrx	Metals Requested	Date Recd at Lab	Date Anaivzed
11602	Soil	Hg	8-24-94	9-3-94
11603				
11604				
11605				
11606				
11607				
11608				
11602	Soil	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, K, Se, Ag, Ti, V, Zn	8-24-94	9-14-94
11603				
11604				
11605				
11606				
11607				
11608				



ecology and environment, inc.

International Specialists in the Environment

ANALYTICAL SERVICES CENTER

493 Walden Avenue
Lancaster, New York 14086
Tel: (716) 685-8080, Fax: (716) 685-0852

September 23, 1994

LAB NAME: Ecology and Environment, Inc.

CASE NUMBER: RB994

SDG NUMBER: 0824

CONTRACT NUMBER: C003181

SAMPLES IN SDG: A46101 A46102 A46103 A46104
A46105 A46106 A46107

SDG NARRATIVE:

Enclosed are the analytical results for samples received at the Analytical Services Center on August 24, 1994. The samples were analyzed for the following methods as per the New York State Department of Environment Conservation Analytical Services Protocol, September 1989, 12/91 Revisions.

Semivolatiles	91-2
Metals	CLP-M
TRPH	418.1

Electronic deliverables are not available for the total recoverable petroleum hydrocarbons by method 418.1.

SEMIVOLATILES

Samples were originally extracted for BNA analysis on 8/25/94. Based on results of the associated method blank, SBLKS1, and the spiked blank, MSB, the laboratory suspected that the samples may have been contaminated with PAH compounds during the GPC clean up stage. Other samples containing excessively high PAH concentrations were prepared and analyzed prior to this case.

The laboratory re-extracted all samples in two batches on 9/14/94 and 9/19/94, after hold time had expired. The batch associated with samples extracted on 9/14/94 had unacceptably low surrogate recoveries. Recoveries were acceptable for all samples except A46106RE. Samples extracted on 9/19/94 were associated with an acceptable blank and had acceptable surrogate recoveries.

Case Narrative

SDG # 0824

Page 2 of 3

There is a disparity in analytical sample results between the original extractions and the re-extractions. Sample A46101 in particular required a 10 fold dilution initially, but required no dilution after re-extraction. All sample chromatograms for both original analyses and re-extractions show hydrocarbon envelopes. Therefore, the laboratory is uncertain if the disparity between sample results can be attributed to a non-homogeneous sample matrix or to contamination during original sample preparation.

Both original and re-extraction data is presented in this data package.

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

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

METALS

Due to the level of lead detected in the samples, all the samples were analyzed by ICP methodology, and sample A46102 was analyzed at a secondary dilution.

Sample A46103 did not meet the required spike recovery criteria for manganese and zinc. A post spike analysis was performed meeting the required QC criteria. The reported sample results have been flagged "N".

The duplicate analysis of sample A46103 did not meet the required RPD criteria for manganese and zinc. The reported sample results have been flagged "*".

Due to the limitations of the software used to generate the forms, the JY 9/14/94 run sequence has been separated into three analytical sequences, each with it's own form 14, due to the difference in the IDL study dates.

TRPH

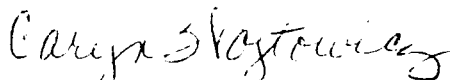
Due to the level of total recoverable petroleum hydrocarbons detected in samples A46102, A46103, A46104, and A46106, the samples were analyzed at a secondary dilution. Quantitation limits have been adjusted accordingly.

The matrix spike analysis of sample A46103 was not quantitated as the sample contained greater than four times the concentration of spiking solution added. The percent recovery has been flagged "*".

DISKETTE

The electronic file submitted for the inorganic analyses does not correspond to the hard copy package in all instances. The discrepancies are due to the software package used for the diskette file generation. The laboratory is working with the software manufacturer to correct the errors.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.



cc Gary Hahn - Manager
Analytical Services Center
September 23, 1994

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Level: (low/med) LOW

	DEC SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	A46101	48 D	59 D	76 D	51 D	47 D	54 D	53 D	48 D	0
02	A46101RE	54	51	74	58	59	60	61	25	0
03	A46102	59 D	61 D	63 D	50 D	48 D	48 D	56 D	51 D	0
04	A46102RE	44 D	62 D	0 D	48 D	36 D	53 D	52 D	49 D	0
05	A46103	66	65	85	68	64	72	69	57	0
06	A46103RE	50	49	65	49	45	46	49	39	0
07	A46104	60 D	60 D	102 D	58 D	55 D	55 D	63 D	54 D	0
08	A46104RE	68	65	92	74	71	59	73	46	0
09	A46105	52	51	62	48	47	55	54	45	0
10	A46105RE	51	49	67	51	48	47	52	40	0
11	A46106	43 D	43 D	74 D	43 D	41 D	44 D	46 D	37 D	0
12	A46106RE	62	51	6 *	74	67	18 *	69	9 *	3
13	A46107	54	55	82	56	53	51	58	45	0
14	A46107RE	47	51	80	60	51	52	56	30	0
15	MSB	46	47	62	43	38	49	45	42	0
16	MSB1	63	64	78	69	58	75	67	56	0
17	A46103MS	47	47	52	46	41	47	48	39	0
18	A46103MSD	52	50	59	49	45	49	52	41	0
19	A46106REMS	70	71	94	83	74	73	76	52	0
20	A46106REMSD	24	28 *	52	38	28	36	32	12 *	2
21	SBLKS1	49	50	65	45	40	53	49	44	0
22	SBLKS2	22 *	24 *	83	49	33	54	36	7 *	3
23	SBLKS3	51	52	64	53	48	53	53	45	0

QC LIMITS

- S1 (NBZ) = Nitrobenzene-d5 (23-120)
- S2 (FBP) = 2-Fluorobiphenyl (30-115)
- S3 (TPH) = Terphenyl-d14 (18-137)
- S4 (PHL) = Phenol-d5 (24-113)
- S5 (2FP) = 2-Fluorophenol (25-121)
- S6 (TBP) = 2,4,6-Tribromophenol (19-122)
- S7 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
- S8 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

I Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix Spike - DEC Sample No.: MSB

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2490	0	1059	43	26- 90
2-Chlorophenol	2490	0	1052	42	25-102
1,4-Dichlorobenzene	1660	0	716.0	43	28-104
N-Nitroso-di-n-prop. (1)	1660	0	848.6	51	41-126
1,2,4-Trichlorobenzene	1660	0	763.6	46	38-107
4-Chloro-3-methylphenol	2490	0	1208	49	26-103
Acenaphthene	1660	0	1083	65	31-137
4-Nitrophenol	2490	0	1531	61	11-114
2,4-Dinitrotoluene	1660	0	835.6	50	28- 89
Pentachlorophenol	2490	0	1473	59	17-109
Pyrene	1660	0	1159	70	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix Spike - DEC Sample No.: A46103

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3360	0	1479	44	26- 90
2-Chlorophenol	3360	0	1451	43	25-102
1,4-Dichlorobenzene	2240	0	869.2	39	28-104
N-Nitroso-di-n-prop. (1)	2240	0	1103	49	41-126
1,2,4-Trichlorobenzene	2240	0	937.2	42	38-107
4-Chloro-3-methylphenol	3360	0	1776	53	26-103
Acenaphthene	2240	255.5	1112	38	31-137
4-Nitrophenol	3360	0	1913	57	11-114
2,4-Dinitrotoluene	2240	0	948.9	42	28- 89
Pentachlorophenol	3360	0	1061	32	17-109
Pyrene	2240	1349	1162	-8 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	3360	1629	48	9	35	26- 90
2-Chlorophenol	3360	1612	48	11	50	25-102
1,4-Dichlorobenzene	2240	987.2	44	12	27	28-104
N-Nitroso-di-n-prop. (1)	2240	1217	54	10	38	41-126
1,2,4-Trichlorobenzene	2240	1048	47	11	23	38-107
4-Chloro-3-methylphenol	3360	1980	59	11	33	26-103
Acenaphthene	2240	1208	43	12	19	31-137
4-Nitrophenol	3360	2074	62	8	50	11-114
2,4-Dinitrotoluene	2240	1041	46	9	47	28- 89
Pentachlorophenol	3360	1464	44	32	47	17-109
Pyrene	2240	1346	0 *	200 *	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

I Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case-No.: RB994

SAS No.:

SDG No.: 0824

Matrix Spike - DEC Sample No.: MSB1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2490	0	1598	64	26- 90
2-Chlorophenol	2490	0	1517	61	25-102
1,4-Dichlorobenzene	1660	0	915.0	55	28-104
N-Nitroso-di-n-prop. (1)	1660	0	1012	61	41-126
1,2,4-Trichlorobenzene	1660	0	1004	60	38-107
4-Chloro-3-methylphenol	2490	0	1631	66	26-103
Acenaphthene	1660	0	1154	70	31-137
4-Nitrophenol	2490	0	1816	73	11-114
2,4-Dinitrotoluene	1660	0	1128	68	28- 89
Pentachlorophenol	2490	0	1808	73	17-109
Pyrene	1660	0	1104	67	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix Spike - DEC Sample No.: A46106RE

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	3360	0	0	0 *	26- 90
2-Chlorophenol	3360	0	0	0 *	25-102
1,4-Dichlorobenzene	2240	0	0	0 *	28-104
N-Nitroso-di-n-prop. (1)	2240	0	0	0 *	41-126
1,2,4-Trichlorobenzene	2240	0	0	0 *	38-107
4-Chloro-3-methylphenol	3360	0	0	0 *	26-103
Acenaphthene	2240	48.50	0	-2 *	31-137
4-Nitrophenol	3360	0	124.7	4 *	11-114
2,4-Dinitrotoluene	2240	0	0	0 *	28- 89
Pentachlorophenol	3360	0	0	0 *	17-109
Pyrene	2240	277.0	196.1	-4 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Phenol	3360	1030	31	200 *	35 26- 90
2-Chlorophenol	3360	882.0	26	200 *	50 25-102
1,4-Dichlorobenzene	2240	201.3	9 *	200 *	27 28-104
N-Nitroso-di-n-prop. (1)	2240	570.9	25 *	200 *	38 41-126
1,2,4-Trichlorobenzene	2240	341.9	15 *	200 *	23 38-107
4-Chloro-3-methylphenol	3360	1114	33	200 *	33 26-103
Acenaphthene	2240	672.5	28 *	231 *	19 31-137
4-Nitrophenol	3360	67.57	2 *	67 *	50 11-114
2,4-Dinitrotoluene	2240	589.3	26 *	200 *	47 28- 89
Pentachlorophenol	3360	943.5	28	200 *	47 17-109
Pyrene	2240	908.5	28 *	267 *	36 35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 11 out of 11 outside limits
 Spike Recovery: 18 out of 22 outside limits

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

DEC SAMPLE NO.

SBLKS1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID: G7722

Lab Sample ID: SBLKS_08-25

Instrument ID: 7002G

Date Extracted: 08/25/94

Matrix: (soil/water) SOIL

Date Analyzed: 09/07/94

Level: (low/med) LOW

Time Analyzed: 2037

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	DEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A46101	11602	G7768	09/09/94
02	A46102	11603	G7725	09/07/94
03	A46103	11604	G7769	09/09/94
04	A46104	11605	G7770	09/09/94
05	A46105	11606	G7728	09/08/94
06	A46106	11607	G7771	09/09/94
07	A46107	11608	G7772	09/09/94
08	MSB	SPIKE BLANK	G7723	09/07/94
09	A46103MS	11604MS	G7731	09/08/94
10	A46103MSD	11604MSD	G7732	09/08/94

COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

SBLKS1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_08-25

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

Lab File ID: G7722

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

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

Q

CAS NO.

COMPOUND

108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy) Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

SBLKS1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_08-25

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

Lab File ID: G7722

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	800	U
100-02-7-----4-Nitrophenol	800	U
132-64-9-----Dibenzofuran	330	U
121-14-2-----2,4-Dinitrotoluene	330	U
84-66-2-----Diethylphthalate	330	U
7005-72-3-----4-Chlorophenyl-phenylether	330	U
86-73-7-----Fluorene	43	J
100-01-6-----4-Nitroaniline	800	U
534-52-1-----4,6-Dinitro-2-methylphenol	800	U
86-30-6-----N-Nitrosodiphenylamine (1)	330	U
101-55-3-----4-Bromophenyl-phenylether	330	U
118-74-1-----Hexachlorobenzene	330	U
87-86-5-----Pentachlorophenol	800	U
85-01-8-----Phenanthrene	81	J
120-12-7-----Anthracene	130	J
86-74-8-----Carbazole	72	J
84-74-2-----Di-n-Butylphthalate	330	U
206-44-0-----Fluoranthene	330	U
129-00-0-----Pyrene	330	U
85-68-7-----Butylbenzylphthalate	330	U
91-94-1-----3,3'-Dichlorobenzidine	330	U
56-55-3-----Benzo(a)Anthracene	330	U
218-01-9-----Chrysene	330	U
117-81-7-----bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----Di-n-Octyl Phthalate	330	U
205-99-2-----Benzo(b)Fluoranthene	330	U
207-08-9-----Benzo(k)Fluoranthene	330	U
50-32-8-----Benzo(a)Pyrene	330	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----Dibenz(a,h)Anthracene	330	U
191-24-2-----Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

SBLKS1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_08-25

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

Lab File ID: G7722

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

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

Number TICs found: 11

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 12-34-22	Aldol Condensation Product	2.34	20000	AJN
2.	UNKNOWN	2.87	130	J
3.	UNKNOWN	3.62	2500	J
4.	UNKNOWN	5.78	1400	J
5.	UNKNOWN	6.21	330	J
6.	UNKNOWN	6.27	200	J
7.	UNKNOWN	7.27	150	J
8.	UNKNOWN	9.43	860	J
9.	UNKNOWN	12.62	420	J
10.	UNKNOWN	15.39	220	J
11.	UNKNOWN	17.84	83	J

4B
SEMIVOLATILE METHOD BLANK SUMMARY

DEC SAMPLE NO.

SBLKS2

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID: G7923

Lab Sample ID: SBLKS_09-14

Instrument ID: 7002G

Date Extracted: 09/14/94

Matrix: (soil/water) SOIL

Date Analyzed: 09/20/94

Level: (low/med) LOW

Time Analyzed: 2143

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	DEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A46101RE	11602RE	G7925	09/20/94
02	A46102RE	11603RE	G7895	09/19/94
03	A46104RE	11605RE	G7926	09/21/94
04	A46106RE	11607RE	G7898	09/19/94
05	A46107RE	11608RE	G7901	09/19/94
06	MSB1	SPIKE BLANK	G7893	09/19/94
07	A46106REMS	11607REMS	G7899	09/19/94
08	A46106REMSD	11607REMSD	G7900	09/19/94

REMARKS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

SBLKS2

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_09-14

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

Lab File ID: G7923

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

CAS NO. COMPOUND Q

108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy) Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

SBLKS2

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_09-14

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

Lab File ID: G7923

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

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

CAS NO.

COMPOUND

Q

51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo (a) Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl) Phthalate	33	J
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo (b) Fluoranthene	330	U
207-08-9	Benzo (k) Fluoranthene	330	U
50-32-8	Benzo (a) Pyrene	330	U
193-39-5	Indeno (1,2,3-cd) Pyrene	330	U
53-70-3	Dibenz (a,h) Anthracene	330	U
191-24-2	Benzo (g,h,i) Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

SBLKS2

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_09-14

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

Lab File ID: G7923

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 12-34-22	Aldol Condensation Product	3.20	50000	AJN
2.	UNKNOWN	4.91	2700	J
3.	UNKNOWN	7.29	300	J
4.	UNKNOWN	8.38	100	J
5.	UNKNOWN	24.94	320	J
6.	UNKNOWN	27.55	120	J
7.	UNKNOWN	30.14	200	J
8.	UNKNOWN HYDROCARBON	30.81	83	J
9.	UNKNOWN	32.62	320	J
10.	UNKNOWN	34.77	100	J

4B
SEMIVOLATILE METHOD BLANK SUMMARY

DEC SAMPLE NO.

SBLKS3

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID: G7924

Lab Sample ID: SBLKS_09-19

Instrument ID: 7002G

Date Extracted: 09/19/94

Matrix: (soil/water) SOIL

Date Analyzed: 09/20/94

Level: (low/med) LOW

Time Analyzed: 2236

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	DEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A46103RE	11604RE	G7928	09/21/94
02	A46105RE	11606RE	G7929	09/21/94

COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

SBLKS3

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_09-19

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

Lab File ID: G7924

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

CAS NO.

COMPOUND

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy) Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	800	U
23-32-9-----	Acenaphthene	40	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

SBLKS3

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS_09-19
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: G7924
 Level: (low/med) LOW Date Received:
 % Moisture: decanted: (Y/N) N Date Extracted: 09/19/94
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 09/20/94
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH:

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	68	J
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	140	J
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	770	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	79	J
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	48	J
117-81-7	bis(2-Ethylhexyl) Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

SBLKS3

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS_09-19

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

Lab File ID: G7924

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.84	1800	J
2.	UNKNOWN	2.49	20000	J
3. 12-34-22	Aldol Condensation Product	3.07	23000	AJN
4.	UNKNOWN	4.80	2200	J
5.	UNKNOWN	7.27	350	J
6.	UNKNOWN	22.74	83	J
7.	UNKNOWN PAH	25.69	180	J
8.	UNKNOWN PAH	31.61	100	J
9.	UNKNOWN	33.49	130	J
10.	UNKNOWN	34.18	83	J

NYSDEC ASP

3
BLANKS

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181
 Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824
 Preparation Blank Matrix (soil/water): SOIL
 Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	19.0	U	19.0	U	19.0	U	19.0	U	3.800	U	P
Antimony	33.8	U	33.8	U	33.8	U	33.8	U	6.760	U	P
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	F
Barium	7.6	U	7.6	U	7.6	U	7.6	U	1.520	U	P
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	P
Cadmium	3.6	U	3.6	U	3.6	U	3.6	U	0.720	U	P
Calcium	152.0	U	152.0	U	152.0	U	152.0	U	30.400	U	P
Chromium	2.2	U	2.2	U	2.2	U	2.2	U	0.440	U	P
Cobalt	3.8	U	3.8	U	3.8	U	3.8	U	0.760	U	P
Copper	2.3	U	2.3	U	2.3	U	2.3	U	0.460	U	P
Iron	5.7	U	5.7	U	5.7	U	5.7	U	1.140	U	P
Lead	28.3	U	28.3	U	28.3	U	28.3	U	5.660	U	P
Magnesium	159.0	U	159.0	U	159.0	U	159.0	U	31.800	U	P
Manganese	2.6	U	2.6	U	2.6	U	2.6	U	0.520	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	5.4	U	5.4	U	5.4	U	5.4	U	1.080	U	P
Potassium	-1297.0	B	648.0	U	648.0	U	648.0	U	129.600	U	P
Selenium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	F
Silver	2.1	U	2.1	U	2.1	U	2.8	B	0.674	B	P
Sodium	592.0	U	592.0	U	592.0	U	592.0	U	118.400	U	P
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	F
Vanadium	4.0	U	4.0	U	4.0	U	4.0	U	0.800	U	P
Zinc	4.7	U	4.7	U	4.7	U	4.7	U	0.940	U	P
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: ECOLOGY_AND_ENVIRONMENT_____ Contract: C003181_____

Lab Code: EANDE_____ Case No.: RB994_____ SAS No.: _____ SDG No.: 0824_____

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											NR
Antimony											NR
Arsenic			2.0	U							F
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			28.3	U							P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											F
Selenium			2.0	U							NR
Silver											NR
Sodium											F
Thallium			2.0	U							NR
Vanadium											NR
Zinc											NR
Cyanide											NR

NYSDEC ASP

3
BLANKS

Lab Name: ECOLOGY_AND_ENVIRONMENT_____ Contract: C003181_____

Lab Code: EANDE_____ Case No.: RB994_____ SAS No.: _____ SDG No.: 0824_____

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C	C		
Aluminum											NR
Antimony											NR
Arsenic	2.0	U	2.0	U	2.0	U					F
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

FORM III - IN

12/91

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46101

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11602

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

Lab File ID: G7768

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	4800	U
111-44-4-----bis (2-Chloroethyl) Ether	4800	U
95-57-8-----2-Chlorophenol	4800	U
541-73-1-----1,3-Dichlorobenzene	4800	U
106-46-7-----1,4-Dichlorobenzene	4800	U
95-50-1-----1,2-Dichlorobenzene	4800	U
95-48-7-----2-Methylphenol	4800	U
108-60-1-----2,2'-oxybis (1-Chloropropane)	4800	U
106-44-5-----4-Methylphenol	4800	U
621-64-7-----N-Nitroso-Di-n-Propylamine	4800	U
67-72-1-----Hexachloroethane	4800	U
98-95-3-----Nitrobenzene	4800	U
78-59-1-----Isophorone	4800	U
88-75-5-----2-Nitrophenol	4800	U
105-67-9-----2,4-Dimethylphenol	4800	U
111-91-1-----bis (2-Chloroethoxy) Methane	4800	U
120-83-2-----2,4-Dichlorophenol	4800	U
120-82-1-----1,2,4-Trichlorobenzene	4800	U
91-20-3-----Naphthalene	75	J
106-47-8-----4-Chloroaniline	4800	U
87-68-3-----Hexachlorobutadiene	4800	U
59-50-7-----4-Chloro-3-Methylphenol	4800	U
91-57-6-----2-Methylnaphthalene	230	J
77-47-4-----Hexachlorocyclopentadiene	4800	U
88-06-2-----2,4,6-Trichlorophenol	4800	U
95-95-4-----2,4,5-Trichlorophenol	12000	U
91-58-7-----2-Chloronaphthalene	4800	U
88-74-4-----2-Nitroaniline	12000	U
131-11-3-----Dimethylphthalate	4800	U
208-96-8-----Acenaphthylene	4800	U
606-20-2-----2,6-Dinitrotoluene	4800	U
99-09-2-----3-Nitroaniline	12000	U
83-32-9-----Acenaphthene	310	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46101

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11602

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

Lab File ID: G7768

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	12000	U
100-02-7	4-Nitrophenol	12000	U
132-64-9	Dibenzofuran	890	J
121-14-2	2,4-Dinitrotoluene	4800	U
84-66-2	Diethylphthalate	4800	U
7005-72-3	4-Chlorophenyl-phenylether	4800	U
86-73-7	Fluorene	2700	BJ
100-01-6	4-Nitroaniline	12000	U
534-52-1	4,6-Dinitro-2-methylphenol	12000	U
86-30-6	N-Nitrosodiphenylamine (1)	4800	U
101-55-3	4-Bromophenyl-phenylether	4800	U
118-74-1	Hexachlorobenzene	4800	U
87-86-5	Pentachlorophenol	12000	U
85-01-8	Phenanthrene	6800	B
120-12-7	Anthracene	30000	B
86-74-8	Carbazole	16000	B
84-74-2	Di-n-Butylphthalate	4800	U
206-44-0	Fluoranthene	2400	J
129-00-0	Pyrene	1400	J
85-68-7	Butylbenzylphthalate	4800	U
91-94-1	3,3'-Dichlorobenzidine	4800	U
56-55-3	Benzo(a)Anthracene	510	J
218-01-9	Chrysene	710	J
117-81-7	bis(2-Ethylhexyl) Phthalate	1100	J
117-84-0	Di-n-Octyl Phthalate	4800	U
205-99-2	Benzo(b) Fluoranthene	240	J
207-08-9	Benzo(k) Fluoranthene	89	J
50-32-8	Benzo(a) Pyrene	150	J
193-39-5	Indeno(1,2,3-cd) Pyrene	4800	U
53-70-3	Dibenz(a,h) Anthracene	4800	U
191-24-2	Benzo(g,h,i) Perylene	4800	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46101

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11602

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

Lab File ID: G7768

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

Number TICs found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 14-17-86	Ethylacetate	1.69	17000	JN
2. 12-34-22	Aldol Condensation Product	2.41	51000	ABJN
3.	UNKNOWN	4.06	3400	BJ
4.	UNKNOWN	6.47	2400	BJ
5.	UNKNOWN	10.02	2000	BJ
6.	UNKNOWN	13.16	1100	BJ
7.	UNKNOWN PAH	21.85	1600	J
8.	UNKNOWN OXY. PAH	22.31	960	J
9.	UNKNOWN OXY. PAH	22.57	1000	J
10. 10-54-4500	Molecular Sulfur	23.40	14000	JN
11.	UNKNOWN HYDROCARBON	32.53	1300	J
12.	UNKNOWN	37.17	1100	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46101RE

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11602RE

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

Lab File ID: G7925

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl) Ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-Di-n-Propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)Methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-Methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46101RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11602RE

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

Lab File ID: G7925

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	UU
132-64-9-----	Dibenzofuran	480	UU
121-14-2-----	2,4-Dinitrotoluene	480	UU
84-66-2-----	Diethylphthalate	480	UU
7005-72-3-----	4-Chlorophenyl-phenylether	480	UU
86-73-7-----	Fluorene	480	UU
100-01-6-----	4-Nitroaniline	1200	UU
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	UU
86-30-6-----	N-Nitrosodiphenylamine (1)	480	UU
101-55-3-----	4-Bromophenyl-phenylether	480	UU
118-74-1-----	Hexachlorobenzene	480	UU
87-86-5-----	Pentachlorophenol	1200	UU
85-01-8-----	Phenanthrene	170	J
120-12-7-----	Anthracene	480	UU
86-74-8-----	Carbazole	480	UU
84-74-2-----	Di-n-Butylphthalate	480	UU
206-44-0-----	Fluoranthene	220	J
129-00-0-----	Pyrene	200	J
85-68-7-----	Butylbenzylphthalate	480	UU
91-94-1-----	3,3'-Dichlorobenzidine	480	UU
56-55-3-----	Benzo(a)Anthracene	110	J
218-01-9-----	Chrysene	100	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	190	BJ
117-84-0-----	Di-n-Octyl Phthalate	480	UU
205-99-2-----	Benzo(b) Fluoranthene	120	J
207-08-9-----	Benzo(k) Fluoranthene	35	J
50-32-8-----	Benzo(a) Pyrene	72	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	70	J
53-70-3-----	Dibenz(a,h) Anthracene	480	UU
191-24-2-----	Benzo(g,h,i) Perylene	480	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46101RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11602RE

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

Lab File ID: G7925

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/20/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.87	2200	J
2.	12-34-22 Aldol Condensation Product	2.76	38000	ABJN
3.	UNKNOWN	3.22	34000	J
4.	UNKNOWN	4.92	4100	J
5.	UNKNOWN PAH	21.82	170	J
6.	UNKNOWN	22.72	120	J
7.	UNKNOWN PAH	25.69	96	J
8.	UNKNOWN	26.85	120	J
9.	UNKNOWN	29.85	120	J
10.	UNKNOWN HYDROCARBON	32.64	310	J
11.	UNKNOWN	32.75	340	J
12.	UNKNOWN	33.49	190	J
13.	UNKNOWN	33.81	140	J
14.	UNKNOWN	34.51	290	J
15.	UNKNOWN	35.62	190	J
16.	UNKNOWN	35.77	410	J
17.	UNKNOWN	35.97	310	J
18.	UNKNOWN	37.20	550	J
19.	UNKNOWN	39.19	670	J
20.	UNKNOWN	40.25	380	J
21.	UNKNOWN	44.65	170	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46102

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11603

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

Lab File ID: G7725

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 7.4

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

Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	2300	U
111-44-4	bis(2-Chloroethyl) Ether	2300	U
95-57-8	2-Chlorophenol	2300	U
541-73-1	1,3-Dichlorobenzene	2300	U
106-46-7	1,4-Dichlorobenzene	2300	U
95-50-1	1,2-Dichlorobenzene	2300	U
95-48-7	2-Methylphenol	2300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2300	U
106-44-5	4-Methylphenol	2300	U
621-64-7	N-Nitroso-Di-n-Propylamine	2300	U
67-72-1	Hexachloroethane	2300	U
98-95-3	Nitrobenzene	2300	U
78-59-1	Isophorone	2300	U
88-75-5	2-Nitrophenol	2300	U
105-67-9	2,4-Dimethylphenol	2300	U
111-91-1	bis(2-Chloroethoxy)Methane	2300	U
120-83-2	2,4-Dichlorophenol	2300	U
120-82-1	1,2,4-Trichlorobenzene	2300	U
91-20-3	Naphthalene	2300	U
106-47-8	4-Chloroaniline	2300	U
87-68-3	Hexachlorobutadiene	2300	U
59-50-7	4-Chloro-3-Methylphenol	2300	U
91-57-6	2-Methylnaphthalene	55	J
77-47-4	Hexachlorocyclopentadiene	2300	U
88-06-2	2,4,6-Trichlorophenol	2300	U
95-95-4	2,4,5-Trichlorophenol	5600	U
91-58-7	2-Chloronaphthalene	2300	U
88-74-4	2-Nitroaniline	5600	U
131-11-3	Dimethylphthalate	2300	U
208-96-8	Acenaphthylene	2300	U
606-20-2	2,6-Dinitrotoluene	2300	U
99-09-2	3-Nitroaniline	5600	U
83-32-9	Acenaphthene	2300	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46102

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case-No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11603

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

Lab File ID: G7725

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 7.4

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	5600	U
100-02-7-----	4-Nitrophenol	5600	U
132-64-9-----	Dibenzofuran	52	J
121-14-2-----	2,4-Dinitrotoluene	2300	U
84-66-2-----	Diethylphthalate	2300	U
7005-72-3-----	4-Chlorophenyl-phenylether	2300	U
86-73-7-----	Fluorene	110	BJ
100-01-6-----	4-Nitroaniline	5600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	5600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2300	U
101-55-3-----	4-Bromophenyl-phenylether	2300	U
118-74-1-----	Hexachlorobenzene	2300	U
87-86-5-----	Pentachlorophenol	5600	U
85-01-8-----	Phenanthrene	360	BJ
120-12-7-----	Anthracene	1300	BJ
86-74-8-----	Carbazole	2300	U
84-74-2-----	Di-n-Butylphthalate	2300	U
206-44-0-----	Fluoranthene	420	J
129-00-0-----	Pyrene	470	J
85-68-7-----	Butylbenzylphthalate	2300	U
91-94-1-----	3,3'-Dichlorobenzidine	2300	U
56-55-3-----	Benzo(a)Anthracene	2300	U
218-01-9-----	Chrysene	1500	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	1400	J
117-84-0-----	Di-n-Octyl Phthalate	2300	U
205-99-2-----	Benzo(b) Fluoranthene	2300	U
207-08-9-----	Benzo(k) Fluoranthene	2300	U
50-32-8-----	Benzo(a) Pyrene	2300	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	2300	U
53-70-3-----	Dibenz(a,h) Anthracene	2300	U
191-24-2-----	Benzo(g,h,i) Perylene	2300	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46102

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11603

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

Lab File ID: G7725

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 7.4

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 12-34-22	Aldol Condensation Product	2.09	39000	ABJN
2.	UNKNOWN	18.13	2800	J
3.	UNKNOWN	18.31	2800	J
4.	UNKNOWN	18.75	3200	J
5.	UNKNOWN OXY. HYDROCARBON	18.91	2500	J
6.	UNKNOWN	20.05	5300	J
7.	UNKNOWN	20.28	4800	J
8.	UNKNOWN ALKYL BENZENE	21.15	3900	J
9.	UNKNOWN HYDROCARBON	21.49	3000	J
10.	UNKNOWN ALKYL BENZENE	21.67	2800	J
11.	UNKNOWN	22.09	3200	J
12.	UNKNOWN	22.33	2800	J
13.	UNKNOWN	22.98	19000	J
14.	UNKNOWN PAH & UNKNOWN HYDROC	28.90	12000	J
15.	UNKNOWN	32.16	2800	J
16.	UNKNOWN	33.13	5800	J
17.	UNKNOWN	33.83	6500	J
18.	UNKNOWN	35.26	2500	J
19.	UNKNOWN	36.78	3900	J
20.	UNKNOWN	38.23	4200	J
21.	UNKNOWN	39.18	2500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46102RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11603RE

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

Lab File ID: G7895

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	4600	U
111-44-4-----bis (2-Chloroethyl) Ether	4600	U
95-57-8-----2-Chlorophenol	4600	U
541-73-1-----1,3-Dichlorobenzene	4600	U
106-46-7-----1,4-Dichlorobenzene	4600	U
95-50-1-----1,2-Dichlorobenzene	4600	U
95-48-7-----2-Methylphenol	4600	U
108-60-1-----2,2'-oxybis (1-Chloropropane)	4600	U
106-44-5-----4-Methylphenol	4600	U
621-64-7-----N-Nitroso-Di-n-Propylamine	4600	U
67-72-1-----Hexachloroethane	4600	U
98-95-3-----Nitrobenzene	4600	U
78-59-1-----Isophorone	4600	U
88-75-5-----2-Nitrophenol	4600	U
105-67-9-----2,4-Dimethylphenol	4600	U
111-91-1-----bis (2-Chloroethoxy) Methane	4600	U
120-83-2-----2,4-Dichlorophenol	4600	U
120-82-1-----1,2,4-Trichlorobenzene	4600	U
91-20-3-----Naphthalene	4600	U
106-47-8-----4-Chloroaniline	4600	U
87-68-3-----Hexachlorobutadiene	4600	U
59-50-7-----4-Chloro-3-Methylphenol	4600	U
91-57-6-----2-Methylnaphthalene	480	J
77-47-4-----Hexachlorocyclopentadiene	4600	U
88-06-2-----2,4,6-Trichlorophenol	4600	U
95-95-4-----2,4,5-Trichlorophenol	11000	U
91-58-7-----2-Chloronaphthalene	4600	U
88-74-4-----2-Nitroaniline	11000	U
131-11-3-----Dimethylphthalate	4600	U
208-96-8-----Acenaphthylene	4600	U
606-20-2-----2,6-Dinitrotoluene	4600	U
99-09-2-----3-Nitroaniline	11000	U
83-32-9-----Acenaphthene	1100	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46102RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11603RE

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

Lab File ID: G7895

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 7.4

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	2000	J
121-14-2	2,4-Dinitrotoluene	4600	U
84-66-2	Diethylphthalate	4600	U
7005-72-3	4-Chlorophenyl-phenylether	4600	U
86-73-7	Fluorene	5000	
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine (1)	4600	U
101-55-3	4-Bromophenyl-phenylether	4600	U
118-74-1	Hexachlorobenzene	4600	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	16000	
120-12-7	Anthracene	17000	
86-74-8	Carbazole	21000	
84-74-2	Di-n-Butylphthalate	4600	U
206-44-0	Fluoranthene	4600	U
129-00-0	Pyrene	4600	U
85-68-7	Butylbenzylphthalate	4600	U
91-94-1	3,3'-Dichlorobenzidine	4600	U
56-55-3	Benzo(a) Anthracene	4600	U
218-01-9	Chrysene	5500	
117-81-7	bis(2-Ethylhexyl) Phthalate	4600	U
117-84-0	Di-n-Octyl Phthalate	4600	U
205-99-2	Benzo(b) Fluoranthene	1400	J
207-08-9	Benzo(k) Fluoranthene	4600	U
50-32-8	Benzo(a) Pyrene	740	J
193-39-5	Indeno(1,2,3-cd) Pyrene	440	J
53-70-3	Dibenz(a,h) Anthracene	4600	U
191-24-2	Benzo(g,h,i) Perylene	570	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46102RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11603RE

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

Lab File ID: G7895

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 12-34-22	Aldol Condensation Product	2.56	37000	ABJN
2.	UNKNOWN	18.03	5500	J
3.	UNKNOWN HYDROCARBON	19.09	3900	J
4.	UNKNOWN	19.88	9000	J
5.	UNKNOWN	20.89	2500	J
6.	UNKNOWN PAH	21.08	3000	J
7.	UNKNOWN	21.71	1100	J
8.	UNKNOWN	21.98	5100	J
9.	UNKNOWN	22.33	5800	J
10.	UNKNOWN	22.77	2000	J
11.	UNKNOWN	23.14	1600	J
12. 10-54-4500	Molecular Sulfur	23.86	3900	JN
13.	UNKNOWN	31.79	3200	J
14.	UNKNOWN	33.44	5500	J
15.	UNKNOWN	33.79	11000	J
16.	UNKNOWN	34.47	13000	J
17.	UNKNOWN	35.38	4600	J
18.	UNKNOWN	35.92	3900	J
19.	UNKNOWN	36.02	4200	J
20.	UNKNOWN	36.63	2800	J
21.	UNKNOWN	39.83	3000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604

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

Lab File ID: G7769

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26. decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl) Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy) Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	31	J
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	30	J
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	260	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604

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

Lab File ID: G7769

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	54	J
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	270	BJ
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1400	B
120-12-7	Anthracene	1200	B
86-74-8	Carbazole	500	B
84-74-2	Di-n-Butylphthalate	450	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)Anthracene	680	
218-01-9	Chrysene	590	
117-81-7	bis(2-Ethylhexyl) Phthalate	1400	
117-84-0	Di-n-Octyl Phthalate	450	U
205-99-2	Benzo(b) Fluoranthene	650	
207-08-9	Benzo(k) Fluoranthene	220	J
50-32-8	Benzo(a) Pyrene	480	
193-39-5	Indeno(1,2,3-cd) Pyrene	310	J
53-70-3	Dibenz(a,h) Anthracene	110	J
191-24-2	Benzo(g,h,i) Perylene	280	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46103

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604

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

Lab File ID: G7769

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.0

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.78	2700	J
2. 12-34-22	Aldol Condensation Product	2.62	61000	ABJN
3.	UNKNOWN	4.59	4700	J
4.	UNKNOWN	10.04	1900	BJ
5.	UNKNOWN	13.18	1100	BJ
6.	UNKNOWN	20.52	450	J
7.	UNKNOWN CARBOXYLIC ACID	22.89	520	J
8. 10-54-4500	Molecular Sulfur	23.56	4900	JN
9.	UNKNOWN OXY. HYDROCARBON	28.73	810	J
10.	UNKNOWN CARBOXYLIC ACID	29.49	360	J
11.	UNKNOWN OXY. HYDROCARBON	30.72	2700	J
12.	UNKNOWN CARBOXYLIC ACID	31.41	560	J
13.	UNKNOWN OXY. HYDROCARBON	32.57	2900	J
14.	UNKNOWN OXY. HYDROCARBON	35.40	610	J
15.	UNKNOWN	35.66	1200	J
16.	UNKNOWN	35.74	720	J
17.	UNKNOWN	35.91	920	J
18.	UNKNOWN	37.10	670	J
19.	UNKNOWN	37.22	1200	J
20.	UNKNOWN	39.45	960	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604RE

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

Lab File ID: G7928

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.0

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	450	U
111-44-4-----	bis(2-Chloroethyl) Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy)Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	51	BJ

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SCIL

Lab Sample ID: 11604RE

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

Lab File ID: G7928

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	58	BJ
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	120	BJ
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	410	BJ
120-12-7-----	Anthracene	410	BJ
86-74-8-----	Carbazole	170	BJ
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	220	BJ
129-00-0-----	Pyrene	630	B
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo(a)Anthracene	450	U
218-01-9-----	Chrysene	320	BJ
117-81-7-----	bis(2-Ethylhexyl) Phthalate	300	J
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b) Fluoranthene	190	J
207-08-9-----	Benzo(k) Fluoranthene	51	J
50-32-8-----	Benzo(a) Pyrene	140	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	85	J
53-70-3-----	Dibenz(a,h) Anthracene	450	U
191-24-2-----	Benzo(g,h,i) Perylene	94	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46103RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604RE

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

Lab File ID: G7928

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.0

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.84	2100	J
2.	UNKNOWN	2.52	25000	J
3. 12-34-22	Aldol Condensation Product	3.08	29000	ABJN
4.	UNKNOWN	4.85	2700	J
5.	UNKNOWN HYDROCARBON	18.76	200	J
6.	UNKNOWN	19.36	110	J
7.	UNKNOWN HYDROCARBON	19.57	250	J
8.	UNKNOWN	20.76	310	J
9.	UNKNOWN HYDROCARBON	21.01	180	J
10.	UNKNOWN	22.09	130	J
11.	UNKNOWN	22.65	130	J
12.	UNKNOWN	22.90	130	J
13. 10-54-4500	Molecular Sulfur	23.92	5400	JN
14.	UNKNOWN PAH	25.85	220	J
15.	UNKNOWN	32.72	470	J
16.	UNKNOWN	33.59	290	J
17.	UNKNOWN	35.97	360	J
18.	UNKNOWN	36.09	290	J
19.	UNKNOWN	37.31	580	J
20.	UNKNOWN	39.35	1100	J
21.	UNKNOWN	40.43	290	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46104

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11605

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

Lab File ID: G7770

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y

pH: 7.5

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

Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	840	U
111-44-4	bis(2-Chloroethyl) Ether	840	U
95-57-8	2-Chlorophenol	840	U
541-73-1	1,3-Dichlorobenzene	840	U
106-46-7	1,4-Dichlorobenzene	840	U
95-50-1	1,2-Dichlorobenzene	840	U
95-48-7	2-Methylphenol	840	U
108-60-1	2,2'-oxybis(1-Chloropropane)	840	U
106-44-5	4-Methylphenol	840	U
621-64-7	N-Nitroso-Di-n-Propylamine	840	U
67-72-1	Hexachloroethane	840	U
98-95-3	Nitrobenzene	840	U
78-59-1	Isophorone	840	U
88-75-5	2-Nitrophenol	840	U
105-67-9	2,4-Dimethylphenol	840	U
111-91-1	bis(2-Chloroethoxy)Methane	840	U
120-83-2	2,4-Dichlorophenol	840	U
120-82-1	1,2,4-Trichlorobenzene	840	U
91-20-3	Naphthalene	140	J
106-47-8	4-Chloroaniline	840	U
87-68-3	Hexachlorobutadiene	840	U
59-50-7	4-Chloro-3-Methylphenol	840	U
91-57-6	2-Methylnaphthalene	160	J
77-47-4	Hexachlorocyclopentadiene	840	U
88-06-2	2,4,6-Trichlorophenol	840	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	840	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	840	U
208-96-8	Acenaphthylene	840	U
606-20-2	2,6-Dinitrotoluene	840	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	340	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46104

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11605

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

Lab File ID: G7770

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y

pH: 7.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	590	J
121-14-2	2,4-Dinitrotoluene	840	U
84-66-2	Diethylphthalate	840	U
7005-72-3	4-Chlorophenyl-phenylether	840	U
86-73-7	Fluorene	1100	B
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	840	U
101-55-3	4-Bromophenyl-phenylether	840	U
118-74-1	Hexachlorobenzene	840	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	6600	B
120-12-7	Anthracene	5400	B
86-74-8	Carbazole	3700	B
84-74-2	Di-n-Butylphthalate	840	U
206-44-0	Fluoranthene	3300	
129-00-0	Pyrene	4000	
85-68-7	Butylbenzylphthalate	840	U
91-94-1	3,3'-Dichlorobenzidine	840	U
56-55-3	Benzo(a)Anthracene	1900	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl) Phthalate	310	J
117-84-0	Di-n-Octyl Phthalate	840	U
205-99-2	Benzo(b) Fluoranthene	2000	
207-08-9	Benzo(k) Fluoranthene	840	U
50-32-8	Benzo(a) Pyrene	990	
193-39-5	Indeno(1,2,3-cd) Pyrene	250	J
53-70-3	Dibenz(a,h) Anthracene	330	J
191-24-2	Benzo(g,h,i) Perylene	580	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46104

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11605

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

Lab File ID: G7770

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 14-17-86	Ethylacetate	1.75	3600	JN
2.	UNKNOWN	2.04	21000	J
3. 12-34-22	Aldol Condensation Product	2.68	36000	ABJN
	UNKNOWN	4.32	3800	J
5.	UNKNOWN HYDROCARBON	19.42	290	J
6.	UNKNOWN	20.45	250	J
7.	UNKNOWN PAH	21.69	230	J
8.	UNKNOWN PAH	21.97	760	J
9.	UNKNOWN HYDROCARBON	22.13	250	J
10.	UNKNOWN	22.54	530	J
11.	UNKNOWN HYDROCARBON & UNKNOW	22.78	480	J
12.	UNKNOWN CARBOXYLIC ACID	23.05	210	J
13. 10-54-4500	Molecular Sulfur	23.40	190	JN
14.	UNKNOWN	32.47	760	J
15.	UNKNOWN	32.66	1400	J
16.	UNKNOWN	33.61	1200	J
17.	UNKNOWN	33.83	440	J
18.	UNKNOWN	35.74	880	J
19.	UNKNOWN	37.28	610	J
20.	UNKNOWN PAH	37.36	760	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46104RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11605RE

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

Lab File ID: G7926

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.

COMPOUND

108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl) Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy) Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46104RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11605RE

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

Lab File ID: G7926

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.	COMPOUND	UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	300	J
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo (a) Anthracene	130	J
218-01-9	Chrysene	160	J
117-81-7	bis(2-Ethylhexyl) Phthalate	230	BJ
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo (b) Fluoranthene	240	J
207-08-9	Benzo (k) Fluoranthene	68	J
50-32-8	Benzo (a) Pyrene	120	J
193-39-5	Indeno (1,2,3-cd) Pyrene	110	J
53-70-3	Dibenz (a,h) Anthracene	420	U
191-24-2	Benzo (g,h,i) Perylene	62	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46104RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11605RE

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

Lab File ID: G7926

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.5

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.85	1700	J
2. 12-34-22	Aldol Condensation Product	2.84	38000	ABJN
3.	UNKNOWN	3.31	32000	J
4.	UNKNOWN	4.98	4200	J
5.	UNKNOWN ALKANE	19.47	290	J
6. 10-54-4500	Molecular Sulfur	23.44	360	JN
7.	UNKNOWN ALKANE	25.75	270	J
8.	UNKNOWN ALKANE	32.66	460	J
9.	UNKNOWN	32.72	670	J
10.	UNKNOWN	33.50	460	J
11.	UNKNOWN	35.04	440	J
12.	UNKNOWN	35.26	320	J
13.	UNKNOWN	35.73	3200	J
14.	UNKNOWN	35.94	630	J
15.	UNKNOWN	36.64	400	J
16.	UNKNOWN	37.21	3600	J
17.	UNKNOWN	37.77	460	J
18.	UNKNOWN	39.25	2500	J
19.	UNKNOWN	39.83	1600	J
20.	UNKNOWN	40.54	25000	J
21.	UNKNOWN	41.23	550	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46105

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11606

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

Lab File ID: G7728

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl) Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46105

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11606

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

Lab File ID: G7728

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

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

Q

CAS NO.	COMPOUND	UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	120	J
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	52	BU
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-Butylphthalate	450	U
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)Anthracene	450	U
218-01-9	Chrysene	74	J
117-81-7	bis(2-Ethylhexyl) Phthalate	100	J
117-84-0	Di-n-Octyl Phthalate	450	U
205-99-2	Benzo(b) Fluoranthene	110	U
207-08-9	Benzo(k) Fluoranthene	38	J
50-32-8	Benzo(a) Pyrene	68	J
193-39-5	Indeno(1,2,3-cd) Pyrene	58	J
53-70-3	Dibenz(a,h) Anthracene	450	U
191-24-2	Benzo(g,h,i) Perylene	52	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46105

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11606

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

Lab File ID: G7728

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 12-34-22	Aldol Condensation Product	2.36	23000	ABJN
2.	UNKNOWN	3.65	3000	J
3.	UNKNOWN	6.26	1100	J
4.	UNKNOWN	9.44	1500	J
5.	UNKNOWN	12.62	730	J
6.	UNKNOWN HYDROCARBON	18.82	360	J
7.	UNKNOWN CARBOXYLIC ACID	22.37	1000	J
8. 10-54-4500	Molecular Sulfur	22.96	1800	JN
9.	UNKNOWN OXY. HYDROCARBON	24.34	500	J
10.	UNKNOWN CARBOXYLIC ACID	24.41	300	J
11.	UNKNOWN HYDROCARBON	30.20	570	J
12.	UNKNOWN HYDROCARBON	32.05	700	J
13.	UNKNOWN	35.17	1700	J
14.	UNKNOWN	35.39	300	J
15.	UNKNOWN	35.51	270	J
16.	UNKNOWN	36.10	410	J
17.	UNKNOWN	36.59	1100	J
18.	UNKNOWN	36.73	430	J
19.	UNKNOWN	39.05	910	J
20.	UNKNOWN	39.71	450	J
21.	UNKNOWN	40.49	11000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46105RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11606RE

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

Lab File ID: G7929

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	450	U
111-44-4-----bis(2-Chloroethyl) Ether	450	U
95-57-8-----2-Chlorophenol	450	U
541-73-1-----1,3-Dichlorobenzene	450	U
106-46-7-----1,4-Dichlorobenzene	450	U
95-50-1-----1,2-Dichlorobenzene	450	U
95-48-7-----2-Methylphenol	450	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----4-Methylphenol	450	U
621-64-7-----N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----Hexachloroethane	450	U
98-95-3-----Nitrobenzene	450	U
78-59-1-----Isophorone	450	U
88-75-5-----2-Nitrophenol	450	U
105-67-9-----2,4-Dimethylphenol	450	U
111-91-1-----bis(2-Chloroethoxy)Methane	450	U
120-83-2-----2,4-Dichlorophenol	450	U
120-82-1-----1,2,4-Trichlorobenzene	450	U
91-20-3-----Naphthalene	450	U
106-47-8-----4-Chloroaniline	450	U
87-68-3-----Hexachlorobutadiene	450	U
59-50-7-----4-Chloro-3-Methylphenol	450	U
91-57-6-----2-Methylnaphthalene	450	U
77-47-4-----Hexachlorocyclopentadiene	450	U
88-06-2-----2,4,6-Trichlorophenol	450	U
95-95-4-----2,4,5-Trichlorophenol	1100	U
91-58-7-----2-Chloronaphthalene	450	U
88-74-4-----2-Nitroaniline	1100	U
131-11-3-----Dimethylphthalate	450	U
208-96-8-----Acenaphthylene	450	U
606-20-2-----2,6-Dinitrotoluene	450	U
99-09-2-----3-Nitroaniline	1100	U
83-32-9-----Acenaphthene	450	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46105RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11606RE

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

Lab File ID: G7929

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	150	BJ
120-12-7-----	Anthracene	130	BJ
86-74-8-----	Carbazole	60	BJ
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	180	BJ
129-00-0-----	Pyrene	200	BJ
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo (a) Anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	bis (2-Ethylhexyl) Phthalate	86	J
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo (b) Fluoranthene	140	J
207-08-9-----	Benzo (k) Fluoranthene	37	J
50-32-8-----	Benzo (a) Pyrene	90	J
193-39-5-----	Indeno (1,2,3-cd) Pyrene	62	J
53-70-3-----	Dibenz (a,h) Anthracene	450	U
191-24-2-----	Benzo (g,h,i) Perylene	88	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46105RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11606RE

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

Lab File ID: G7929

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 09/19/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/21/94

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.07	9600	J
2.	UNKNOWN	2.54	19000	J
3. 12-34-22	Aldol Condensation Product	3.07	30000	ABJN
4.	UNKNOWN	4.85	3000	J
5.	UNKNOWN ALKANE	19.50	160	J
6.	UNKNOWN	20.63	410	J
7.	UNKNOWN HYDROCARBON	20.88	300	J
8.	UNKNOWN	23.11	320	J
9. 10-54-4500	Molecular Sulfur	23.85	11000	JN
10.	UNKNOWN ALKANE	32.68	340	J
11.	UNKNOWN HYDROCARBON	32.83	250	J
12.	UNKNOWN	33.55	270	J
13.	UNKNOWN	34.37	340	J
14.	UNKNOWN	35.38	250	J
15.	UNKNOWN	35.83	2100	J
16.	UNKNOWN	36.71	410	J
17.	UNKNOWN	37.28	660	J
18.	UNKNOWN	37.41	500	J
19.	UNKNOWN	39.33	960	J
20.	UNKNOWN	39.95	730	J
21.	UNKNOWN	40.61	18000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607

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

Lab File ID: G7771

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y

pH: 8.4

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

Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	890	U
111-44-4	bis(2-Chloroethyl) Ether	890	U
95-57-8	2-Chlorophenol	890	U
541-73-1	1,3-Dichlorobenzene	890	U
106-46-7	1,4-Dichlorobenzene	890	U
95-50-1	1,2-Dichlorobenzene	890	U
95-48-7	2-Methylphenol	890	U
108-60-1	2,2'-oxybis(1-Chloropropane)	890	U
106-44-5	4-Methylphenol	890	U
621-64-7	N-Nitroso-Di-n-Propylamine	890	U
67-72-1	Hexachloroethane	890	U
98-95-3	Nitrobenzene	890	U
78-59-1	Isophorone	890	U
88-75-5	2-Nitrophenol	890	U
105-67-9	2,4-Dimethylphenol	890	U
111-91-1	bis(2-Chloroethoxy) Methane	890	U
120-83-2	2,4-Dichlorophenol	890	U
120-82-1	1,2,4-Trichlorobenzene	890	U
91-20-3	Naphthalene	890	U
106-47-8	4-Chloroaniline	890	U
87-68-3	Hexachlorobutadiene	890	U
59-50-7	4-Chloro-3-Methylphenol	890	U
91-57-6	2-Methylnaphthalene	47	J
77-47-4	Hexachlorocyclopentadiene	890	U
88-06-2	2,4,6-Trichlorophenol	890	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	890	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	890	U
208-96-8	Acenaphthylene	890	U
606-20-2	2,6-Dinitrotoluene	890	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	63	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607

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

Lab File ID: G7771

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0(uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y

pH: 8.4

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

Q

CAS NO.	COMPOUND	UG/KG	Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	140	J
121-14-2	2,4-Dinitrotoluene	890	U
84-66-2	Diethylphthalate	890	U
7005-72-3	4-Chlorophenyl-phenylether	890	U
86-73-7	Fluorene	380	BJ
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	890	U
101-55-3	4-Bromophenyl-phenylether	890	U
118-74-1	Hexachlorobenzene	890	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	1700	B
120-12-7	Anthracene	2900	B
86-74-8	Carbazole	1700	B
84-74-2	Di-n-Butylphthalate	890	U
206-44-0	Fluoranthene	580	J
129-00-0	Pyrene	650	J
85-68-7	Butylbenzylphthalate	890	U
91-94-1	3,3'-Dichlorobenzidine	890	U
56-55-3	Benzo(a)Anthracene	270	J
218-01-9	Chrysene	280	J
117-81-7	bis(2-Ethylhexyl) Phthalate	580	J
117-84-0	Di-n-Octyl Phthalate	890	U
205-99-2	Benzo(b) Fluoranthene	320	J
207-08-9	Benzo(k) Fluoranthene	890	U
50-32-8	Benzo(a) Pyrene	150	J
193-39-5	Indeno(1,2,3-cd) Pyrene	140	J
53-70-3	Dibenz(a,h) Anthracene	890	U
191-24-2	Benzo(g,h,i) Perylene	170	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46106

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607

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

Lab File ID: G7771

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y

pH: 8.4

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 14-17-86	Ethylacetate	1.94	22000	JN
2. 12-34-22	Aldol Condensation Product	2.64	31000	ABJN
3.	UNKNOWN	4.28	3100	J
4.	UNKNOWN HYDROCARBON	19.39	1700	J
5.	UNKNOWN ALKYL BENZENE	20.76	1500	J
6.	UNKNOWN ALKYL BENZENE	21.29	1700	J
7.	UNKNOWN ALKYL BENZENE	21.61	1900	J
8.	UNKNOWN	21.96	940	J
9.	UNKNOWN ALKYL BENZENE	22.15	2200	J
10.	UNKNOWN ALKYL BENZENE	22.37	1200	J
11.	UNKNOWN	22.45	670	J
12.	UNKNOWN	22.82	920	J
13.	UNKNOWN ALKYL BENZENE	23.46	1900	J
14. 10-54-4500	Molecular Sulfur	23.57	1300	JN
15.	UNKNOWN	25.07	4000	J
16.	UNKNOWN	26.77	2500	J
17.	UNKNOWN	32.68	1100	J
18.	UNKNOWN	33.65	1400	J
19.	UNKNOWN	33.84	740	J
20.	UNKNOWN	34.33	1700	J
21.	UNKNOWN	35.78	610	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607RE

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

Lab File ID: G7898

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

108-95-2-----	Phenol	450	U
111-44-4-----	bis(2-Chloroethyl) Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy) Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	48	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607RE

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

Lab File ID: G7898

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	69	J
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	84	J
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	230	J
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	280	J
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo(a) Anthracene	450	U
218-01-9-----	Chrysene	220	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	200	BJ
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b) Fluoranthene	450	U
207-08-9-----	Benzo(k) Fluoranthene	450	U
50-32-8-----	Benzo(a) Pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	450	U
53-70-3-----	Dibenz(a,h) Anthracene	450	U
191-24-2-----	Benzo(g,h,i) Perylene	450	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46106RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607RE

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

Lab File ID: G7898

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.41	21000	J
2. 12-34-22	Aldol Condensation Product	3.10	34000	ABJN
3.	UNKNOWN	4.90	2900	J
4.	UNKNOWN HYDROCARBON	18.91	400	J
5.	UNKNOWN	19.51	160	J
6.	UNKNOWN HYDROCARBON	19.76	720	J
7.	UNKNOWN	20.87	310	J
8.	UNKNOWN ALKANE	21.22	670	J
9.	UNKNOWN	22.04	250	J
10.	UNKNOWN	22.20	130	J
11.	UNKNOWN	23.13	200	J
12.	UNKNOWN	23.44	160	J
13.	UNKNOWN ALKANE	24.64	4300	J
14.	UNKNOWN	29.75	2700	J
15.	UNKNOWN	33.55	900	J
16.	UNKNOWN	33.91	1300	J
17.	UNKNOWN	34.60	1300	J
18.	UNKNOWN	36.04	1400	J
19.	UNKNOWN	36.39	850	J
20.	UNKNOWN	37.56	630	J
21.	UNKNOWN	40.95	830	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46107

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11608

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

Lab File ID: G7772

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	470	U
111-44-4-----bis(2-Chloroethyl) Ether	470	U
95-57-8-----2-Chlorophenol	470	U
541-73-1-----1,3-Dichlorobenzene	470	U
106-46-7-----1,4-Dichlorobenzene	470	U
95-50-1-----1,2-Dichlorobenzene	470	U
95-48-7-----2-Methylphenol	470	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	470	U
106-44-5-----4-Methylphenol	470	U
621-64-7-----N-Nitroso-Di-n-Propylamine	470	U
67-72-1-----Hexachloroethane	470	U
98-95-3-----Nitrobenzene	470	U
78-59-1-----Isophorone	470	U
88-75-5-----2-Nitrophenol	470	U
105-67-9-----2,4-Dimethylphenol	470	U
111-91-1-----bis(2-Chloroethoxy)Methane	470	U
120-83-2-----2,4-Dichlorophenol	470	U
120-82-1-----1,2,4-Trichlorobenzene	470	U
91-20-3-----Naphthalene	470	U
106-47-8-----4-Chloroaniline	470	U
87-68-3-----Hexachlorobutadiene	470	U
59-50-7-----4-Chloro-3-Methylphenol	470	U
91-57-6-----2-Methylnaphthalene	470	U
77-47-4-----Hexachlorocyclopentadiene	470	U
88-06-2-----2,4,6-Trichlorophenol	470	U
95-95-4-----2,4,5-Trichlorophenol	1100	U
91-58-7-----2-Chloronaphthalene	470	U
88-74-4-----2-Nitroaniline	1100	U
131-11-3-----Dimethylphthalate	470	U
208-96-8-----Acenaphthylene	470	U
606-20-2-----2,6-Dinitrotoluene	470	U
99-09-2-----3-Nitroaniline	1100	U
83-32-9-----Acenaphthene	470	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46107

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11608

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

Lab File ID: G7772

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

51-28-5-----2,4-Dinitrophenol	1100	U
100-02-7-----4-Nitrophenol	1100	U
132-64-9-----Dibenzofuran	470	U
121-14-2-----2,4-Dinitrotoluene	470	U
84-66-2-----Diethylphthalate	53	J
7005-72-3-----4-Chlorophenyl-phenylether	470	U
86-73-7-----Fluorene	470	U
100-01-6-----4-Nitroaniline	1100	U
534-52-1-----4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----N-Nitrosodiphenylamine (1)	470	U
101-55-3-----4-Bromophenyl-phenylether	470	U
118-74-1-----Hexachlorobenzene	470	U
87-86-5-----Pentachlorophenol	1100	U
85-01-8-----Phenanthrene	270	BJ
120-12-7-----Anthracene	130	BJ
86-74-8-----Carbazole	75	BJ
84-74-2-----Di-n-Butylphthalate	470	U
206-44-0-----Fluoranthene	570	
129-00-0-----Pyrene	580	
85-68-7-----Butylbenzylphthalate	47	J
91-94-1-----3,3'-Dichlorobenzidine	470	U
56-55-3-----Benzo (a) Anthracene	250	J
218-01-9-----Chrysene	280	J
117-81-7-----bis(2-Ethylhexyl) Phthalate	460	J
117-84-0-----Di-n-Octyl Phthalate	470	U
205-99-2-----Benzo (b) Fluoranthene	440	J
207-08-9-----Benzo (k) Fluoranthene	89	J
50-32-8-----Benzo (a) Pyrene	240	J
193-39-5-----Indeno (1,2,3-cd) Pyrene	180	J
53-70-3-----Dibenz (a,h) Anthracene	59	J
191-24-2-----Benzo (g,h,i) Perylene	200	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46107

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11608

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

Lab File ID: G7772

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/09/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.78	2300	J
2.	UNKNOWN	1.94	4300	J
3.	UNKNOWN	2.35	13000	J
4. 12-34-22	Aldol Condensation Product	2.91	28000	ABJN
5.	UNKNOWN	4.52	3800	J
6.	UNKNOWN HYDROCARBON	19.37	330	J
7.	UNKNOWN	21.27	330	J
8.	UNKNOWN ALKYL BENZENE	21.57	330	J
9.	UNKNOWN	22.76	360	J
10.	UNKNOWN CARBOXYLIC ACID	22.96	400	J
11. 10-54-4500	Molecular Sulfur	23.63	3800	JN
12.	UNKNOWN	29.73	590	J
13.	UNKNOWN PAH	29.94	590	J
14.	UNKNOWN HYDROCARBON	30.82	520	J
15.	UNKNOWN HYDROCARBON	32.63	1100	J
16.	UNKNOWN	33.80	380	J
17.	UNKNOWN HYDROCARBON	34.31	710	J
18.	UNKNOWN	35.72	900	J
19.	UNKNOWN	36.67	360	J
20.	UNKNOWN	37.29	380	J
21.	UNKNOWN	37.61	520	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46107RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SCIL

Lab Sample ID: 11608RE

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

Lab File ID: G7901

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	470	U
111-44-4-----	bis(2-Chloroethyl) Ether	470	U
95-57-8-----	2-Chlorophenol	470	U
541-73-1-----	1,3-Dichlorobenzene	470	U
106-46-7-----	1,4-Dichlorobenzene	470	U
95-50-1-----	1,2-Dichlorobenzene	470	U
95-48-7-----	2-Methylphenol	470	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5-----	4-Methylphenol	470	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	470	U
67-72-1-----	Hexachloroethane	470	U
98-95-3-----	Nitrobenzene	470	U
78-59-1-----	Isophorone	470	U
88-75-5-----	2-Nitrophenol	470	U
105-67-9-----	2,4-Dimethylphenol	470	U
111-91-1-----	bis(2-Chloroethoxy)Methane	470	U
120-83-2-----	2,4-Dichlorophenol	470	U
120-82-1-----	1,2,4-Trichlorobenzene	470	U
91-20-3-----	Naphthalene	470	U
106-47-8-----	4-Chloroaniline	470	U
87-68-3-----	Hexachlorobutadiene	470	U
59-50-7-----	4-Chloro-3-Methylphenol	470	U
91-57-6-----	2-Methylnaphthalene	470	U
77-47-4-----	Hexachlorocyclopentadiene	470	U
88-06-2-----	2,4,6-Trichlorophenol	470	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	470	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	470	U
208-96-8-----	Acenaphthylene	470	U
606-20-2-----	2,6-Dinitrotoluene	470	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	110	J

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46107RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11608RE

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

Lab File ID: G7901

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	160	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	380	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	470	U
86-74-8	Carbazole	630	
84-74-2	Di-n-Butylphthalate	470	U
206-44-0	Fluoranthene	760	
129-00-0	Pyrene	840	
85-68-7	Butylbenzylphthalate	63	J
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo (a) Anthracene	470	U
218-01-9	Chrysene	380	J
117-81-7	bis(2-Ethylhexyl) Phthalate	350	BJ
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo (b) Fluoranthene	520	
207-08-9	Benzo (k) Fluoranthene	190	J
50-32-8	Benzo (a) Pyrene	310	J
193-39-5	Indeno (1,2,3-cd) Pyrene	240	J
53-70-3	Dibenz (a,h) Anthracene	74	J
191-24-2	Benzo (g,h,i) Perylene	200	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A46107RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11608RE

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

Lab File ID: G7901

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.89	2600	J
2.	UNKNOWN	2.58	24000	J
12-34-22	Aldol Condensation Product	3.20	33000	ABJN
3.	UNKNOWN	5.00	3100	J
5.	UNKNOWN HYDROCARBON	19.68	330	J
6.	UNKNOWN PAH	20.65	1200	J
7.	UNKNOWN	20.78	330	J
8.	UNKNOWN	23.02	400	J
10-54-4500	Molecular Sulfur	23.87	4500	JN
10.	UNKNOWN	27.79	360	J
11.	UNKNOWN HYDROCARBON	29.14	360	J
12.	UNKNOWN	29.96	1000	J
13.	UNKNOWN	30.15	640	J
14.	UNKNOWN ALKANE	32.87	1200	J
15.	UNKNOWN	32.94	570	J
16.	UNKNOWN	33.75	570	J
17.	UNKNOWN	34.44	620	J
18.	UNKNOWN	35.97	1700	J
19.	UNKNOWN	36.12	590	J
20.	UNKNOWN	36.27	1200	J
21.	UNKNOWN	37.00	620	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

MSB

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SPIKE_BLANK

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

Lab File ID: G7723

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	1100	
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	1100	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	720	
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	850	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	760	
91-20-3	Naphthalene	37	J
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	1200	
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	1100	

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

MSB

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SPIKE_BLANK

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

Lab File ID: G7723

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

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

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	630	
121-14-2	2,4-Dinitrotoluene	840	
84-66-2	Diethylphthalate	61	J
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	1400	B
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	2600	B
120-12-7	Anthracene	4100	BE
86-74-8	Carbazole	2800	BE
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	910	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	190	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl) Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b) Fluoranthene	66	J
207-08-9	Benzo(k) Fluoranthene	330	U
50-32-8	Benzo(a) Pyrene	34	J
193-39-5	Indeno(1,2,3-cd) Pyrene	330	U
53-70-3	Dibenz(a,h) Anthracene	330	U
191-24-2	Benzo(g,h,i) Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

MSB

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SPIKE_BLANK

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

Lab File ID: G7723

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/07/94

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

MSB1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SCIL

Lab Sample ID: SPIKE_BLANK

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

Lab File ID: G7893

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	1500	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	910	
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	1000	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	1000	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	1200	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

MSB1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: SPIKE_BLANK

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

Lab File ID: G7893

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	1800	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1100	
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1800	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl) Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b) Fluoranthene	330	U
207-08-9	Benzo(k) Fluoranthene	330	U
50-32-8	Benzo(a) Pyrene	330	U
193-39-5	Indeno(1,2,3-cd) Pyrene	330	U
53-70-3	Dibenz(a,h) Anthracene	330	U
191-24-2	Benzo(g,h,i) Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

MSB1

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SCIL

Lab Sample ID: SPIKE_BLANK

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

Lab File ID: G7893

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103MS

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604MS

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

Lab File ID: G7731

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.0

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl) Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103MS

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604MS

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

Lab File ID: G7731

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	96	BJ
120-12-7-----	Anthracene	90	BJ
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	190	J
129-00-0-----	Pyrene	450	U
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo(a)Anthracene	65	J
218-01-9-----	Chrysene	70	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	430	J
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b) Fluoranthene	79	J
207-08-9-----	Benzo(k) Fluoranthene	450	U
50-32-8-----	Benzo(a) Pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	450	U
53-70-3-----	Dibenz(a,h) Anthracene	450	U
191-24-2-----	Benzo(g,h,i) Perylene	450	U

(1) Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106REMS

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607REMS

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

Lab File ID: G7899

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

108-95-2-----	Phenol	450	U
111-44-4-----	bis(2-Chloroethyl) Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy) Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	450	U

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106REMS

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607REMS

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

Lab File ID: G7899

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	120	J
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	24	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	110	J
86-74-8	Carbazole	450	U
84-74-2	Di-n-Butylphthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo (a) Anthracene	450	U
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl) Phthalate	170	BJ
117-84-0	Di-n-Octyl Phthalate	450	U
205-99-2	Benzo (b) Fluoranthene	160	J
207-08-9	Benzo (k) Fluoranthene	450	U
50-32-8	Benzo (a) Pyrene	450	U
193-39-5	Indeno (1,2,3-cd) Pyrene	450	U
53-70-3	Dibenz (a,h) Anthracene	450	U
191-24-2	Benzo (g,h,i) Perylene	450	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103MSD

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604MSD

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

Lab File ID: G7732

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl) Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46103MSD

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11604MSD

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

Lab File ID: G7732

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/25/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/08/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	140	BJ
120-12-7-----	Anthracene	140	BJ
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	260	J
129-00-0-----	Pyrene	450	U
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo(a)Anthracene	88	J
218-01-9-----	Chrysene	95	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	470	
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b)Fluoranthene	110	J
207-08-9-----	Benzo(k)Fluoranthene	450	U
50-32-8-----	Benzo(a)Pyrene	58	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	450	U
53-70-3-----	Dibenz(a,h)Anthracene	450	U
191-24-2-----	Benzo(g,h,i)Perylene	50	J

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106REMSD

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607REMSD

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

Lab File ID: G7900

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	1000	
111-44-4-----	bis(2-Chloroethyl) Ether	450	U
95-57-8-----	2-Chlorophenol	880	
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	200	J
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	570	
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy) Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	340	J
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	1100	
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	670	

FORM I SV-1

3/90

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A46106REMSD

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix: (soil/water) SOIL

Lab Sample ID: 11607REMSD

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

Lab File ID: G7900

Level: (low/med) LOW

Date Received: 08/24/94

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 09/14/94

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 09/19/94

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

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

Q

CAS NO.	COMPOUND	UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	68	J
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	590	
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	940	J
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	74	J
86-74-8	Carbazole	450	U
84-74-2	Di-n-Butylphthalate	450	U
206-44-0	Fluoranthene	450	U
129-00-0	Pyrene	910	
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)Anthracene	450	U
218-01-9	Chrysene	55	J
117-81-7	bis(2-Ethylhexyl) Phthalate	96	BJ
117-84-0	Di-n-Octyl Phthalate	450	U
205-99-2	Benzo(b) Fluoranthene	72	J
207-08-9	Benzo(k) Fluoranthene	450	U
50-32-8	Benzo(a) Pyrene	450	U
193-39-5	Indeno(1,2,3-cd) Pyrene	450	U
53-70-3	Dibenz(a,h) Anthracene	450	U
191-24-2	Benzo(g,h,i) Perylene	450	U

(1) - Cannot be separated from Diphenylamine

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46101

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Lab Sample ID: 11602

Level (low/med): LOW Date Received: 08/24/94

% Solids: 69.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5710			P
7440-36-0	Antimony	9.7	U		P
7440-38-2	Arsenic	8.3			F
7440-39-3	Barium	43.2	B		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	20600			P
7440-47-3	Chromium	9.9			P
7440-48-4	Cobalt	9.6	B		P
7440-50-8	Copper	25.8			P
7439-89-6	Iron	13100			P
7439-92-1	Lead	61.7			P
7439-95-4	Magnesium	7800			P
7439-96-5	Manganese	159		N*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	539	B		P
7782-49-2	Selenium	0.58	U	W	F
7440-22-4	Silver	0.61	U		P
7440-23-5	Sodium	171	U		P
7440-28-0	Thallium	0.58	U		F
7440-62-2	Vanadium	14.7			P
7440-66-6	Zinc	102		N*	P
	Cyanide				NR

Color Before: Clarity Before: Texture: CY

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46102

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No : 0824

Matrix (soil/water): SOIL Lab Sample ID: 11603

Level (low/med): LOW Date Received: 08/24/94

% Solids: 72.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4120			P
7440-36-0	Antimony	630			P
7440-38-2	Arsenic	12.4			F
7440-39-3	Barium	36.5	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	31000			P
7440-47-3	Chromium	9.7			P
7440-48-4	Cobalt	8.9	B		P
7440-50-8	Copper	390			P
7439-89-6	Iron	13400			P
7439-92-1	Lead	6130			P
7439-95-4	Magnesium	7800			P
7439-96-5	Manganese	170		N*	P
7439-97-6	Mercury	0.28			CV
7440-02-0	Nickel	18.5			P
7440-09-7	Potassium	718	B		P
7782-49-2	Selenium	0.55	U		F
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	164	U		P
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	11.4	B		P
7440-66-6	Zinc	108		N*	P
	Cyanide				NR

Color Before: Clarity Before: Texture: SL

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46103

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL

Lab Sample ID: 11604

Level (low/med): LOW

Date Received: 08/24/94

% Solids: 73.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6250	-	-	P
7440-36-0	Antimony	9.1	U	-	P
7440-38-2	Arsenic	7.2	-	-	F
7440-39-3	Barium	49.7	B	-	P
7440-41-7	Beryllium	0.44	B	-	P
7440-43-9	Cadmium	0.97	U	-	P
7440-70-2	Calcium	21000	-	-	P
7440-47-3	Chromium	10.5	-	-	P
7440-48-4	Cobalt	11.1	B	-	P
7440-50-8	Copper	21.7	-	-	P
7439-89-6	Iron	15000	-	-	P
7439-92-1	Lead	34.1	-	-	P
7439-95-4	Magnesium	8470	-	-	P
7439-96-5	Manganese	240	-	N*	P
7439-97-6	Mercury	0.07	U	-	CV
7440-02-0	Nickel	21.8	-	-	P
7440-09-7	Potassium	1360	-	-	P
7782-49-2	Selenium	0.54	U	W	F
7440-22-4	Silver	0.57	U	-	P
7440-23-5	Sodium	160	U	-	P
7440-28-0	Thallium	0.54	U	-	F
7440-62-2	Vanadium	15.8	-	-	P
7440-66-6	Zinc	111	-	N*	P
	Cyanide		-	-	NR

Color Before: _____

Clarity Before: _____

Texture: CY _____

Color After: Y _____

Clarity After: C _____

Artifacts: _____

Comments:

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46104

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Lab Sample ID: 11605

Level (low/med): LOW Date Received: 08/24/94

% Solids: 79.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3640			P
7440-36-0	Antimony	90.4			P
7440-38-2	Arsenic	7.3			F
7440-39-3	Barium	29.5	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.91	U		P
7440-70-2	Calcium	21000			P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	81.8			P
7439-89-6	Iron	11600			P
7439-92-1	Lead	1050			P
7439-95-4	Magnesium	3850			P
7439-96-5	Manganese	349		N*	P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	15.2			P
7440-09-7	Potassium	501	B		P
7782-49-2	Selenium	0.50	U	W	F
7440-22-4	Silver	0.53	U		P
7440-23-5	Sodium	149	U		P
7440-28-0	Thallium	0.50	U		F
7440-62-2	Vanadium	11.0	B		P
7440-66-6	Zinc	109		N*	P
	Cyanide				NR

Color Before: Clarity Before: Texture: M

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46105

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Lab Sample ID: 11606

Level (low/med): LOW Date Received: 08/24/94

% Solids: 73.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5620			P
7440-36-0	Antimony	9.2	U		P
7440-38-2	Arsenic	5.9			F
7440-39-3	Barium	45.7	B		P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.98	U		P
7440-70-2	Calcium	29200			P
7440-47-3	Chromium	11.5			P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	27.3			P
7439-89-6	Iron	14800			P
7439-92-1	Lead	66.5			P
7439-95-4	Magnesium	8770			P
7439-96-5	Manganese	307		N*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	18.6			P
7440-09-7	Potassium	1290	B		P
7782-49-2	Selenium	0.55	U	W	F
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	162	U		P
7440-28-0	Thallium	0.55	U		F
7440-62-2	Vanadium	14.6			P
7440-66-6	Zinc	114		N*	P
	Cyanide				NR

Color Before: Clarity Before: Texture: M

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

NYSDEC SAMPLE NO.

1
INORGANIC ANALYSES DATA SHEET

A46106

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RE994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Lab Sample ID: 11607

Level (low/med): LOW Date Received: 08/24/94

% Solids: 74.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3720			P
7440-36-0	Antimony	113			P
7440-38-2	Arsenic	9.2			F
7440-39-3	Barium	34.9	B		P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.97	U		P
7440-70-2	Calcium	77000			P
7440-47-3	Chromium	8.0			P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	135			P
7439-89-6	Iron	12900			P
7439-92-1	Lead	1380			P
7439-95-4	Magnesium	8990			P
7439-96-5	Manganese	341		N*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	15.6			P
7440-09-7	Potassium	174	U		P
7782-49-2	Selenium	0.54	U	W	F
7440-22-4	Silver	0.56	U		P
7440-23-5	Sodium	290	B		P
7440-28-0	Thallium	0.54	U		F
7440-62-2	Vanadium	10.4	B		P
7440-66-6	Zinc	76.5		N*	P
	Cyanide				NR

Color Before: Clarity Before: Texture: M

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A46107

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Lab Sample ID: 11608

Level (low/med): LOW Date Received: 08/24/94

% Solids: 69.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5510			P
7440-36-0	Antimony	9.7	U		P
7440-38-2	Arsenic	4.9			F
7440-39-3	Barium	45.8	B		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	28900			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	8.8	B		P
7440-50-8	Copper	57.2			P
7439-89-6	Iron	13900			P
7439-92-1	Lead	311			P
7439-95-4	Magnesium	7080			P
7439-96-5	Manganese	260		N*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	18.6			P
7440-09-7	Potassium	315	B		P
7782-49-2	Selenium	0.57	U	W	F
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	170	U		P
7440-28-0	Thallium	0.57	U		F
7440-62-2	Vanadium	14.9			P
7440-66-6	Zinc	145		N*	P
	Cyanide				NR

Color Before: Clarity Before: Texture: CY

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

6
DUPLICATES

NYSDEC SAMPLE NO.

A46103D

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 73.9 % Solids for Duplicate: 73.9

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

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		6254.3978	7244.9256	14.7		P
Antimony		9.1475	9.1475			P
Arsenic	2.7	7.1583	9.6806	30.0		F
Barium	54.1	49.7429	56.4547	12.6		P
Beryllium		0.4449	0.4742	6.4		P
Cadmium		0.9743	0.9743			P
Calcium		20976.9959	25339.6482	18.8		P
Chromium	2.7	10.4601	11.9486	13.3		P
Cobalt		11.0988	12.4655	11.6		P
Copper	6.8	21.6563	24.4005	11.9		P
Iron		14976.9959	17569.6888	15.9		P
Lead		34.1272	36.5359	6.8		P
Magnesium		8465.4939	9978.3491	16.4		P
Manganese		239.7835	321.2449	29.0	*	P
Mercury		0.0677	0.0677			CV
Nickel	10.8	21.8403	23.8809	8.9		P
Potassium	1353.2	1355.8863	389.4452	110.7		P
Selenium		0.5413	0.5413			F
Silver		0.5683	0.5683			P
Sodium		160.2165	160.2165			P
Thallium		0.5413	0.5413			F
Vanadium	13.5	15.8106	17.8728	12.2		P
Zinc		110.7984	81.5697	30.4	*	P
Cyanide						NR

NYSDEC ASP

5A
SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.

A46103S

Lab Name: ECOLOGY AND ENVIRONMENT

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 73.9

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	75-125	107.1448	9.1475 U	135.320	79.2		P
Arsenic	75-125	18.2138	7.1583	10.830	102.1		F
Barium	75-125	558.8633	49.7429 B	541.270	94.1		P
Beryllium	75-125	13.7158	0.4449 B	13.530	98.1		P
Cadmium	75-125	12.8660	0.9743 U	13.530	95.1		P
Calcium							NR
Chromium	75-125	63.0041	10.4601	54.130	97.1		P
Cobalt	75-125	135.4804	11.0988 B	135.320	91.9		P
Copper	75-125	83.6806	21.6563	67.660	91.7		P
Iron							NR
Lead	75-125	158.1867	34.1272	135.320	91.7		P
Magnesium							NR
Manganese	75-125	448.7145	239.7835	135.320	154.4	N	P
Mercury	75-125	0.7172	0.0677 U	0.680	105.5		CV
Nickel	75-125	144.7632	21.8403	135.320	90.8		P
Potassium							NR
Selenium	75-125	2.1543	0.5413 U	2.710	79.5		F
Silver	75-125	12.4980	0.5683 U	13.530	92.4		P
Sodium							NR
Thallium	75-125	12.8471	0.5413 U	13.530	95.0		F
Vanadium	75-125	129.9053	15.8106	135.320	84.3		P
Zinc	75-125	197.9161	110.7984	135.320	64.4	N	P
Cyanide							NR

Comments:

NYSDEC ASP

5B

NYSDEC SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

A46103A

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: RB994 SAS No.: SDG No.: 0824

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese		2610.00	886.00	1700.0	101.4		P
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc		1188.00	409.40	800.0	97.3		P

Comments:

NYSDEC ASP

7

LABORATORY CONTROL SAMPLE

Lab Name: ECOLOGY_AND_ENVIRONMENT__

Contract: C003181__

Lab Code: EANDE_

Case No.: RB994__

SAS No.: _____

SDG No.: 0824__

Solid LCS Source: EPA-LV_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				%R
	True	Found	%R	True	Found	C	Limits	
Aluminum				3650.0	3646.0		1930.0 5580.0	99.9
Antimony				75.0	168.1		32.0 350.0	224.1
Arsenic								
Barium				64.8	68.5		45.0 88.0	105.7
Beryllium				26.7	28.6		17.0 37.0	107.1
Cadmium				61.6	68.7		36.0 86.0	111.5
Calcium				2330.0	2696.0		1580.0 3170.0	115.7
Chromium				44.1	47.2		26.0 61.0	107.0
Cobalt				177.0	196.2		112.0 246.0	110.8
Copper				78.1	84.7		48.0 110.0	108.5
Iron				7360.0	7914.0		4930.0 11000.0	107.5
Lead				50.9	55.7		27.0 71.0	109.4
Magnesium				2550.0	2918.0		1610.0 3600.0	114.4
Manganese				141.0	153.8		97.0 190.0	109.1
Mercury								
Nickel				110.0	126.0		65.0 157.0	114.5
Potassium				3310.0	3530.0		2090.0 4400.0	106.6
Selenium								
Silver				71.7	80.0		29.0 105.0	111.6
Sodium				346.0	392.4	B	180.0 506.0	113.4
Thallium								
Vanadium				83.8	81.0		56.0 113.0	96.7
Zinc				78.2	104.7		45.0 119.0	133.9
Cyanide								

NYSDEC ASP

7
LABORATORY CONTROL SAMPLE

Lab Name: ECOLOGY_AND_ENVIRONMENT_____ Contract: C003181_____
 Lab Code: EANDE_ Case No.: RB994_____ SAS No.: _____ SDG No.: 0824_____
 Solid LCS Source: EPA-LV_____
 Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				%R
	True	Found	%R	True	Found	C	Limits	
Aluminum								
Antimony								
Arsenic				72.1	94.2	35.0	110.0	130.7
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury				12.7	9.8	8.5	17.0	77.2
Nickel								
Potassium								
Selenium				74.2	72.6	36.0	106.0	97.8
Silver								
Sodium								
Thallium				64.1	67.9	31.0	98.0	105.9
Vanadium								
Zinc								
Cyanide								

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7721

Date Analyzed: 09/07/94

Instrument ID: 7002G

Time Analyzed: 1928

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	57427	6.06	228454	9.91	175020	15.18
UPPER LIMIT	114854	6.56	456908	10.41	350040	15.68
LOWER LIMIT	28714	5.56	114227	9.41	87510	14.68
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46102	85724	6.05	366880	9.92	256158	15.22
02 A46105	92109	6.08	378301	9.91	293858	15.20
03 MSB	80051	6.07	338300	9.91	261535	15.19
04 A46103MS	110870	6.09	466343 *	9.94	355464 *	15.22
05 A46103MSD	104970	6.10	438906	9.95	333169	15.22
06 SBLKS1	71200	6.06	289519	9.90	220800	15.17

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

I Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7721

Date Analyzed: 09/07/94

Instrument ID: 7002G

Time Analyzed: 1928

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	342259	19.56	325497	27.45	338027	31.35
UPPER LIMIT	684518	20.06	650994	27.95	676054	31.85
LOWER LIMIT	171130	19.06	162748	26.95	169014	30.85
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46102	349474	19.65	180684	27.68	219203	31.59
02 A46105	563108	19.58	563304	27.50	503737	31.42
03 MSB	504417	19.58	496385	27.46	500833	31.36
04 A46103MS	688892 *	19.63	677349 *	27.56	651267	31.47
05 A46103MSD	577406	19.64	601864	27.56	569252	31.49
06 SBLKS1	413199	19.55	379939	27.44	405959	31.34

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7766

Date Analyzed: 09/09/94

Instrument ID: 7002G

Time Analyzed: 1016

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	87860	6.74	348939	10.51	232615	15.72
UPPER LIMIT	175720	7.24	697878	11.01	465230	16.22
LOWER LIMIT	43930	6.24	174470	10.01	116308	15.22
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46101	81054	6.71	323275	10.48	212471	15.71
02 A46103	89984	6.75	366830	10.50	263430	15.72
03 A46104	102263	6.74	428486	10.50	322699	15.74
04 A46106	101297	6.73	432651	10.50	337564	15.75
05 A46107	115104	6.78	497907	10.53	379317	15.76

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7766

Date Analyzed: 09/09/94

Instrument ID: 7002G

Time Analyzed: 1016

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	369281	20.08	360243	27.99	363674	31.87
UPPER LIMIT	738562	20.58	720486	28.49	727348	32.37
LOWER LIMIT	184640	19.58	180122	27.49	181837	31.37
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46101	353372	20.07	340226	27.96	337571	31.86
02 A46103	460605	20.10	447765	28.02	445658	31.93
03 A46104	426795	20.17	276633	28.18	288840	32.09
04 A46106	585245	20.17	349705	28.18	364619	32.15
05 A46107	688566	20.15	531489	28.12	455011	32.05

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7891

Date Analyzed: 09/19/94

Instrument ID: 7002G

Time Analyzed: 1304

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	64073	7.11	269228	10.83	214200	15.99
UPPER LIMIT	128146	7.61	538456	11.33	428400	16.49
LOWER LIMIT	32036	6.61	134614	10.33	107100	15.49
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46102RE	50613	7.10	230456	10.81	178168	16.00
02 A46106RE	59887	7.14	267783	10.83	224447	16.02
03 A46107RE	94615	7.16	408072	10.85	315715	16.03
04 MSB1	74897	7.15	319746	10.83	237589	15.98
05 A46106REMS	70807	7.17	299089	10.86	233527	16.05
06 A46106REMSD	87952	7.15	387064	10.85	308054	16.03

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7891

Date Analyzed: 09/19/94

Instrument ID: 7002G

Time Analyzed: 1304

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	355814	20.32	333915	28.18	340449	32.05
UPPER LIMIT	711628	20.82	667830	28.68	680898	32.55
LOWER LIMIT	177907	19.82	166958	27.68	170224	31.55
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46102RE	264320	20.39	158258 *	28.42	174566	32.26
02 A46106RE	286178	20.43	163435 *	28.49	197302	32.39
03 A46107RE	592252	20.41	398389	28.34	283503	32.22
04 MSB1	407749	20.32	391569	28.17	367212	32.05
05 A46106REMS	376876	20.45	207233	28.46	185183	32.35
06 A46106REMSD	563450	20.41	397848	28.36	300496	32.25

IS4 (PHN) = Phenanthrene-d10.

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7921

Date Analyzed: 09/20/94

Instrument ID: 7002G

Time Analyzed: 1920

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	53087	6.99	227653	10.71	184428	15.86
UPPER LIMIT	106174	7.49	455306	11.21	368856	16.36
LOWER LIMIT	26544	6.49	113826	10.21	92214	15.36
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46101RE	67511	7.01	285049	10.67	228451	15.85
02 A46103RE	77802	7.04	323791	10.72	251524	15.91
03 A46104RE	59980	7.01	262501	10.69	205212	15.85
04 A46105RE	78332	7.03	337241	10.71	264192	15.90
05 SBLKS2	66290	7.01	280127	10.69	221816	15.84
06 SBLKS3	65737	7.01	283631	10.69	221781	15.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: RB994

SAS No.:

SDG No.: 0824

Lab File ID (Standard): G7921

Date Analyzed: 09/20/94

Instrument ID: 7002G

Time Analyzed: 1920

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	369382	20.19	389258	28.05	366389	31.93
UPPER LIMIT	738764	20.69	778516	28.55	732778	32.43
LOWER LIMIT	184691	19.69	194629	27.55	183194	31.43
=====	=====	=====	=====	=====	=====	=====
DEC SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 A46101RE	444193	20.20	436605	28.05	423161	31.94
02 A46103RE	450162	20.29	335370	28.20	292773	32.09
03 A46104RE	387571	20.19	321009	28.05	285446	31.95
04 A46105RE	489988	20.26	404615	28.14	327819	32.06
05 SBLKS2	429214	20.17	427806	28.02	355060	31.91
06 SBLKS3	438275	20.18	428831	28.04	393990	31.92

S4 (PHN) = Phenanthrene-d10

S5 (CRY) = Chrysene-d12

S6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

TEST CODE : SPETHY1

JOB NUMBER : 9401.825

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : NEW YORK STATE DEC

RESULTS IN DRY WEIGHT

TEST NAME : TRPH
PARAMETER : Petroleum Hydrocarbons
MATRIX : SOIL
UNITS : MG/KG

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824
DATE RECEIVED : 08/24/94

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-94-11602 A46101	140		29
EE-94-11603 A46102	17000		1400
EE-94-11604 A46103	1100		540
EE-94-11605 A46104	660		1300
EE-94-11606 A46105	50		27
EE-94-11607 A46106	880		540
EE-94-11608 A46107	460		28

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

NA = NOT APPLICABLE

TEST CODE : SPETHYL

JOB NUMBER : 9401.825

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

PETROLEUM HYDROCARBONS METHOD BLANK SUMMARY

CLIENT	: NEW YORK STATE DEC	CONTRACT #	: C003181
TEST NAME	: TRPH	CASE #	: RB994
PARAMETER	: Petroleum Hydrocarbons	SDG #	: 0824
MATRIX	: SOIL	DATE RECEIVED	: 08/24/94
UNITS	: MG/KG		

CLIENT SAMPLE NO.	LAB SAMPLE NO.	DATE ANALYZED
----- A46101	----- 11602	----- 09/07/94

TEST CODE : SPETHY1

JOB NUMBER : 9401.825

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

PETROLEUM HYDROCARBONS METHOD BLANK SUMMARY

CLIENT : NEW YORK STATE DEC
TEST NAME : TRPH
PARAMETER : Petroleum Hydrocarbons
MATRIX : SOIL
UNITS : MG/KG

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824
DATE RECEIVED : 08/24/94

CLIENT SAMPLE NO. -----	LAB SAMPLE NO. -----	DATE ANALYZED -----
A46102	11603	09/08/94
A46103	11604	09/08/94
A46103 DUP	11604 DUP	09/08/94
A46103 SPK	11604 SPK	09/08/94
A46104	11605	09/08/94
A46105	11606	09/08/94
A46106	11607	09/08/94
A46107	11608	09/08/94

TEST CODE : SPETHY1

JOB NUMBER : 9401.825

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical-Services Center

CLIENT : NEW YORK STATE DEC
TEST NAME : TRPH
PARAMETER : Petroleum Hydrocarbons
MATRIX : SOIL
UNITS : MG/KG

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824
DATE RECEIVED : 08/24/94

SAMPLE ID	RESULTS	Q	QNT. LIMIT
METHOD BLANK (09/07/94)	ND		20

QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE
 NA = NOT APPLICABLE

TEST CODE : SPETHY1

JOB NUMBER : 9401.825

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : NEW YORK STATE DEC
TEST NAME : TRPH
PARAMETER : Petroleum Hydrocarbons
MATRIX : SOIL
UNITS : MG/KG

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824
DATE RECEIVED : 08/24/94

SAMPLE ID	RESULTS	Q	QNT. LIMIT
-----	-----	-	-----
METHOD BLANK (09/08/94)	ND		20

QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE
 NA = NOT APPLICABLE

QUALITY CONTROL FOR ACCURACY: PERCENT RECOVERY
FOR SPIKED SOLID SAMPLES

CONTRACT # : C003181
CASE # : RB994
SDG # : 0825

ECOLOGY & ENVIRONMENT
9401.825

(mg/kg dry weight)

Parameter	E & E Laboratory No. 94-	Sample Result	Spiked Sample Result	Spike Amount	Percent Recovery
Total Recoverable Petroleum Hydrocarbons	11604	1100	1500	220	*

* = PERCENT RECOVERY IS NOT DETERMINED BECAUSE THE SAMPLE AMOUNT
IS FOUR OR MORE TIMES GREATER THAN THE SPIKE AMOUNT.

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF DUPLICATE
ANALYSES OF SOLID SAMPLES

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824

ECOLOGY & ENVIRONMENT
9401.825

(mg/kg dry weight)

Parameter	E & E Laboratory No. 94-	Sample Result	Duplicate Result	Relative Percent Difference (RPD)
Total Recoverable Petroleum Hydrocarbons	11604	1100	1200	13

THIS RPD IS WITHIN E & E, INC. QC TARGETS.

NOTE: ALTHOUGH RESULTS ARE REPORTED AS ROUNDED VALUES, RPD
IS CALCULATED DIRECTLY FROM THE RAW DATA.

LABORATORY CONTROL SAMPLE
(09/07/94)

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824

ECOLOGY & ENVIRONMENT
9401.825

(mg/kg)

ANALYTE	FOUND VALUE	TRUE VALUE	PERCENT RECOVERY
Total Recoverable Petroleum Hydrocarbons	160	165	98

THIS RECOVERY IS WITHIN E & E, INC. QC TARGETS.

NOTE: ALTHOUGH RESULTS ARE REPORTED AS ROUNDED VALUES, PERCENT RECOVERY
IS CALCULATED DIRECTLY FROM THE RAW DATA.

LABORATORY CONTROL SAMPLE
(09/08/94)

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824

ECOLOGY & ENVIRONMENT
9401.825

(mg/kg)

ANALYTE	FOUND VALUE	TRUE VALUE	PERCENT RECOVERY
Total Recoverable Petroleum Hydrocarbons	180	165	109

THIS RECOVERY IS WITHIN E & E, INC. QC TARGETS.

NOTE: ALTHOUGH RESULTS ARE REPORTED AS ROUNDED VALUES, PERCENT RECOVERY
IS CALCULATED DIRECTLY FROM THE RAW DATA.

REFERENCE STANDARD
(09/07/94)

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824

ECOLOGY & ENVIRONMENT
9401.825

(mg/kg)

ANALYTE	FOUND VALUE	TRUE VALUE	PERCENT RECOVERY
Total Recoverable Petroleum Hydrocarbons	2.2	2.1	108

THIS RECOVERY IS WITHIN E & E, INC. QC TARGETS.

NOTE : ALTHOUGH RESULTS ARE REPORTED AS ROUNDED VALUES, PERCENT RECOVERY
IS CALCULATED DIRECTLY FROM THE RAW DATA.

REFERENCE STANDARD
(09/08/94)

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824

ECOLOGY & ENVIRONMENT
9401.825

(mg/kg)

ANALYTE	FOUND VALUE	TRUE VALUE	PERCENT RECOVERY
Total Recoverable Petroleum Hydrocarbons	2.3	2.1	110

THIS RECOVERY IS WITHIN E & E, INC. QC TARGETS.

NOTE : ALTHOUGH RESULTS ARE REPORTED AS ROUNDED VALUES, PERCENT RECOVERY
IS CALCULATED DIRECTLY FROM THE RAW DATA.

TEST CODE : STSCLP1

JOB NUMBER : 9401.825

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : NEW YORK STATE DEC
TEST NAME : CLP SOLIDS-TOTAL
PARAMETER : SOLIDS-TOTAL
UNITS : %
MATRIX : SOIL

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824
DATE RECEIVED : 08/24/94

SAMPLE ID	RESULTS	Q
EE-94-11602 A46101	69.4	-
EE-94-11603 A46102	72.1	-
EE-94-11604 A46103	73.9	-
EE-94-11605 A46104	79.3	-
EE-94-11606 A46105	73.2	-
EE-94-11607 A46106	74.4	-
EE-94-11608 A46107	69.7	-

QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE

QUALITY CONTROL FOR PRECISION
RESULTS OF ANALYSIS OF DUPLICATE
ANALYSES OF SOLID SAMPLES

CONTRACT # : C003181
CASE # : RB994
SDG # : 0824

ECOLOGY & ENVIRONMENT
9401.825

(%)

Parameter	E & E Laboratory No. 94-	Sample Result	Duplicate Result	Relative Percent Difference (RPD)
Total Solids	11608	69.7	69.5	0.4

THIS RPD IS WITHIN E & E, INC. QC TARGETS.

NOTE: ALTHOUGH RESULTS ARE REPORTED AS ROUNDED VALUES, RPD IS CALCULATED DIRECTLY FROM THE RAW DATA.