

VANADIUM CORP. OF AMERICA

SITE #932001

IIWA SAMPLING DATA

SURFACE SOIL

SURFACE WATER

SEDIMENT

VOLUME I OF IV



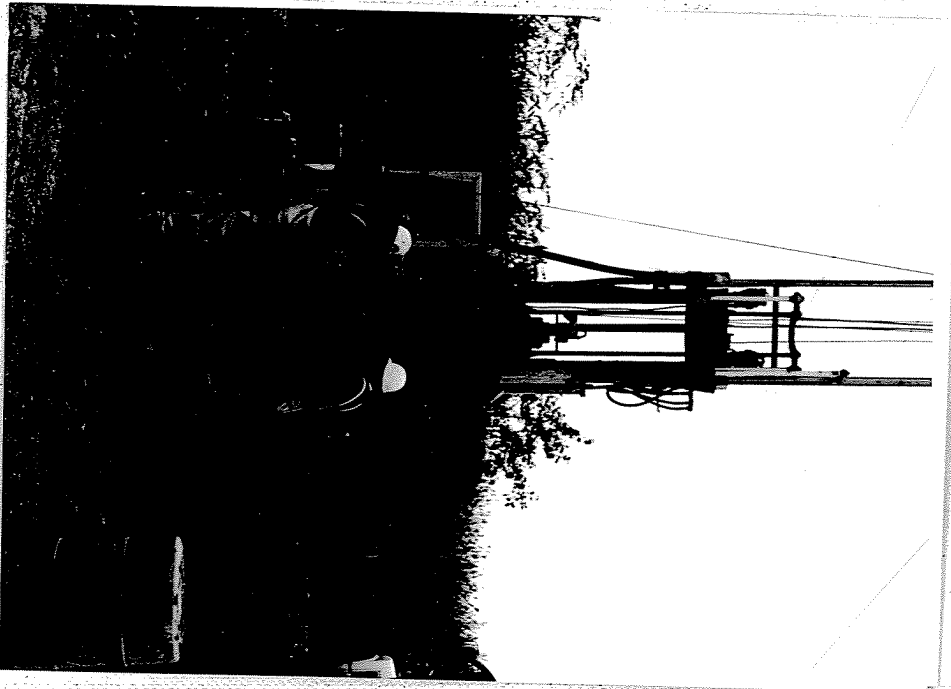
10-24-96

MW-3B



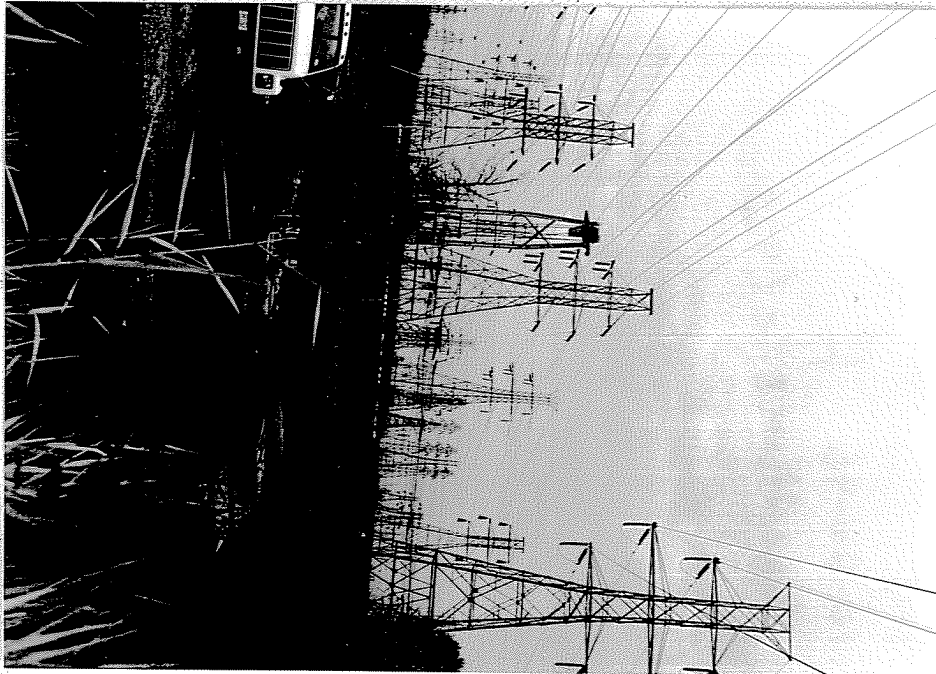
10-24-96

MW-3B



10-24-96

MW-3B



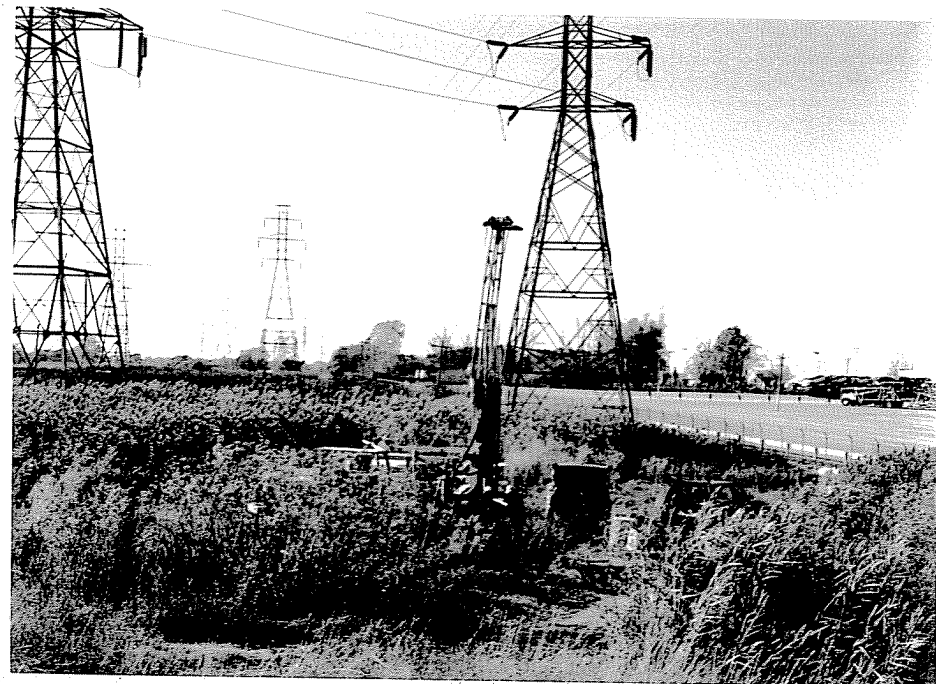
10-24-96

MW-3B



10-25-96

DRILL RIG & UTILITY TRUCK



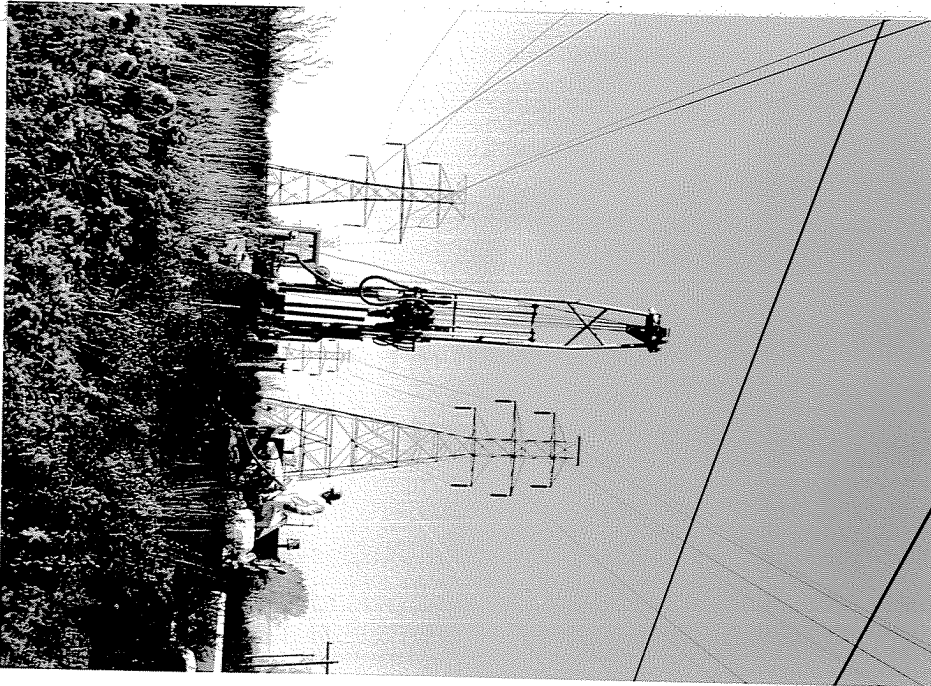
10-25-96

MW-4B



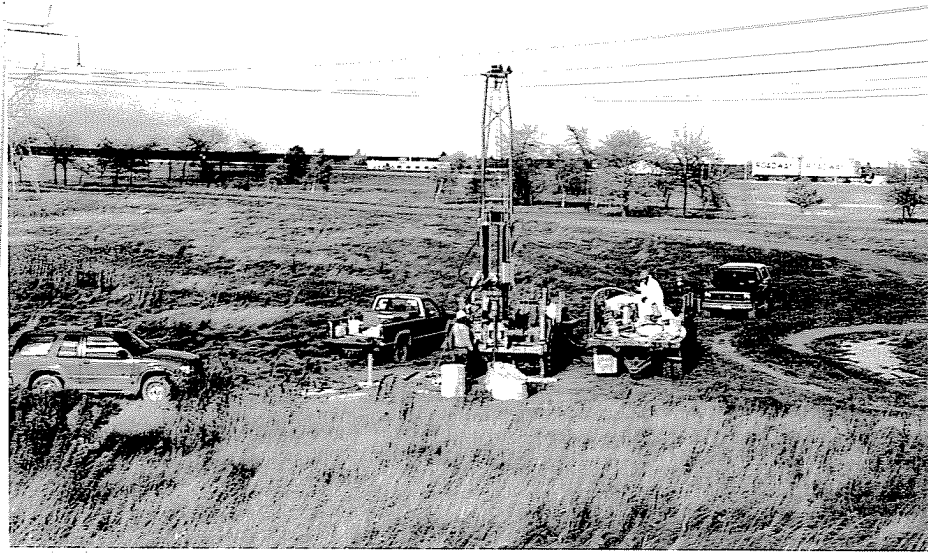
10-29-96

MW-5B



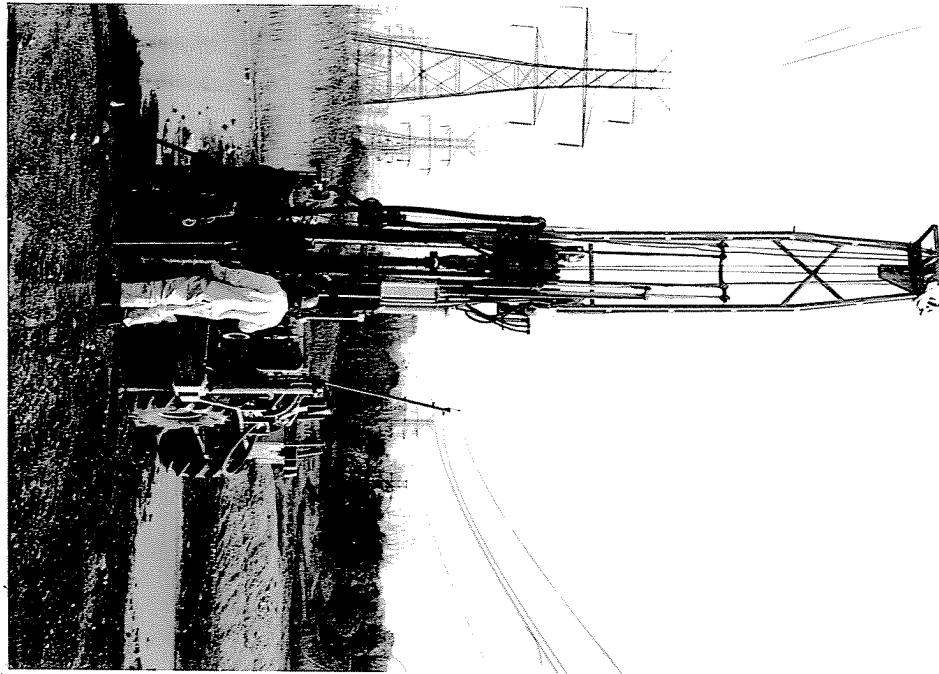
10-29-96

MW-5B



11-1-96

MW-2B



11-4-96

SB-2



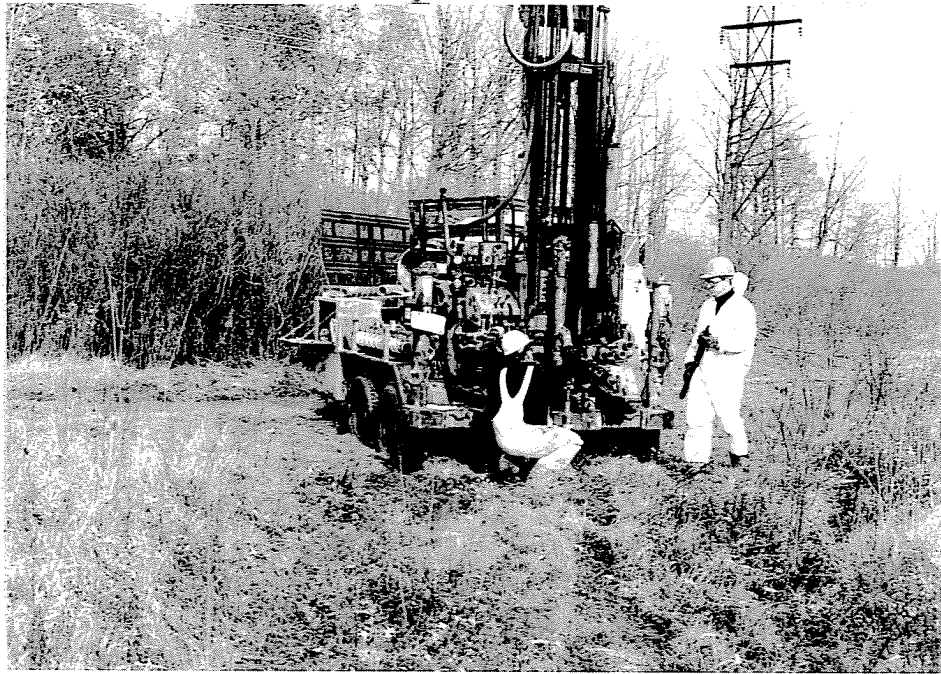
11-5-96

SB-3

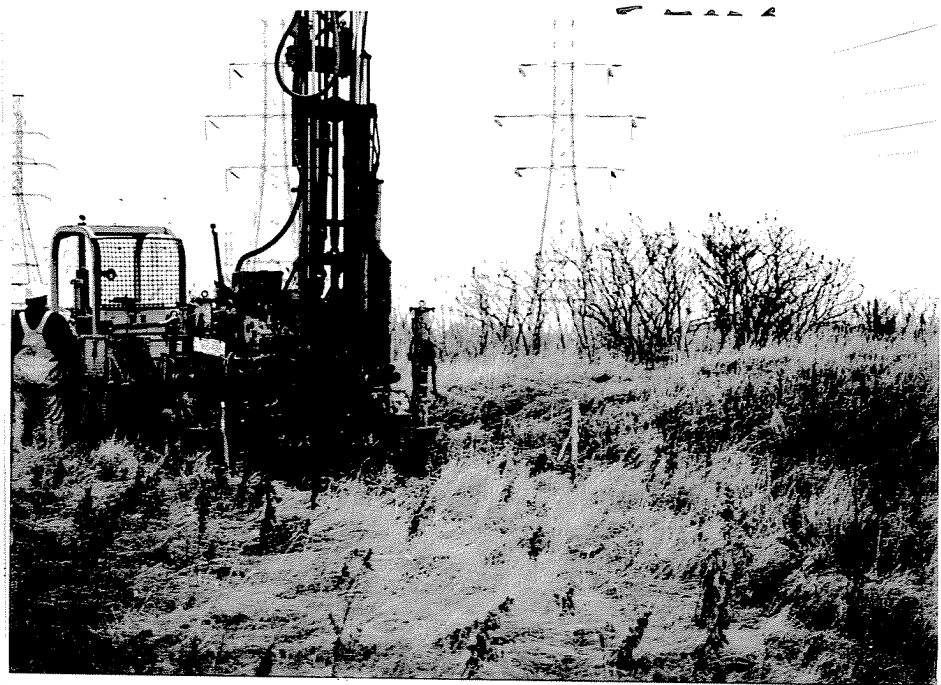


11-5-96

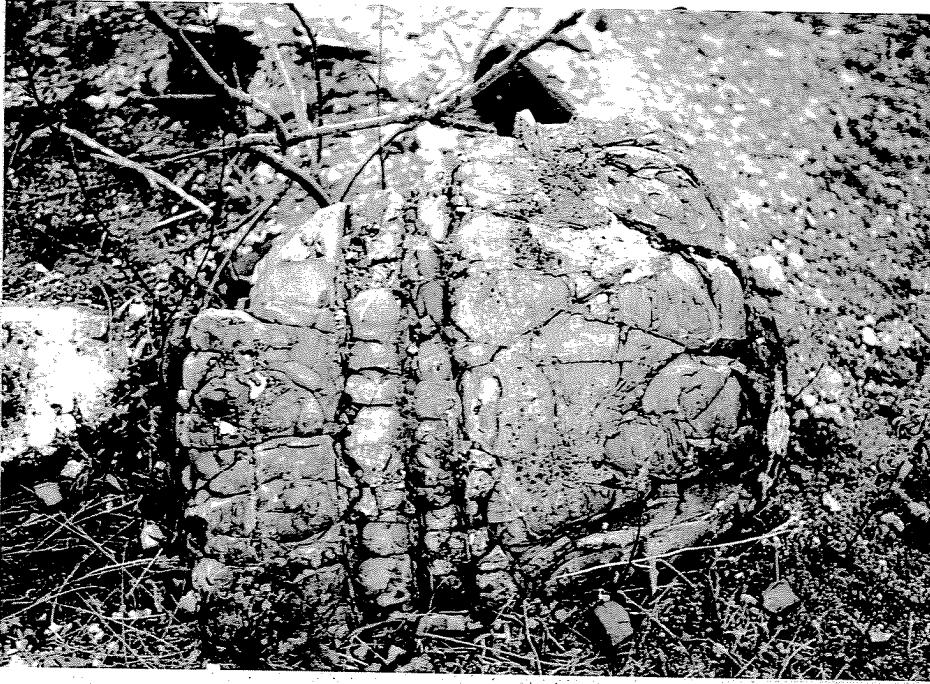
SB-4



11-5-96
SB-5



11-6-96
SB-7



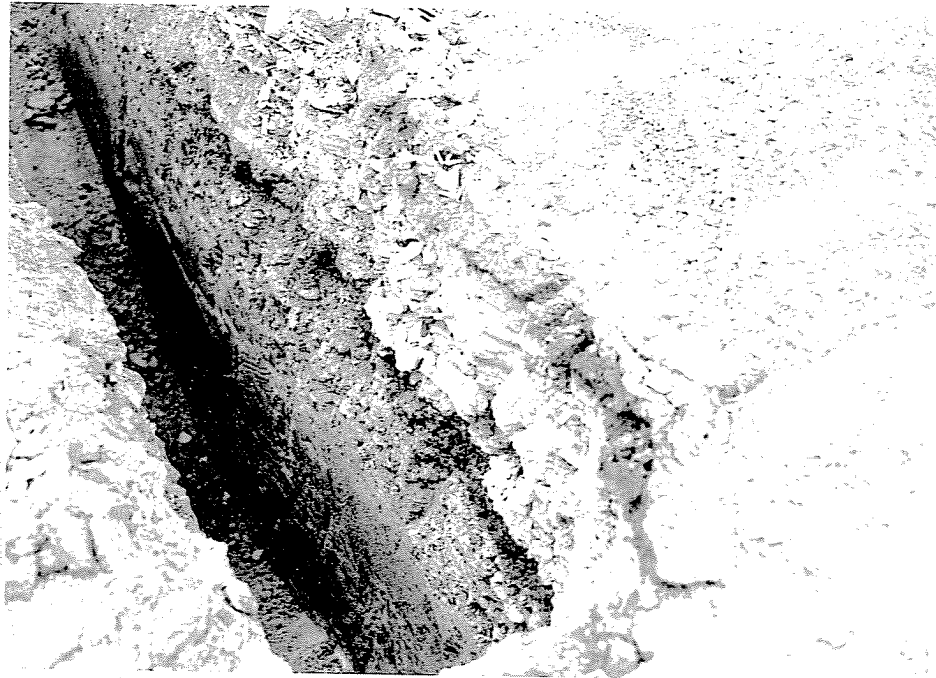
11-6-96
"GREEN SURFACE WASTE"



11-6-96
EXPOSED WASTE NEAR TP-1



11-6-96
TP-1



11-6-96
TP-1



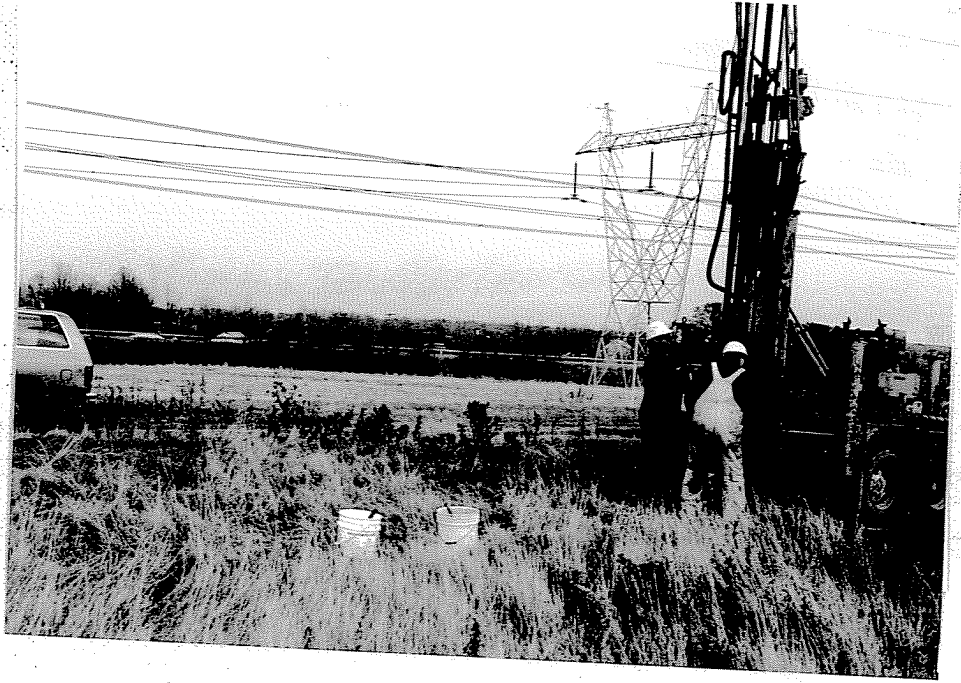
11-6-96
TP-2



11-6-96
TP-2

1-02

GF-7000



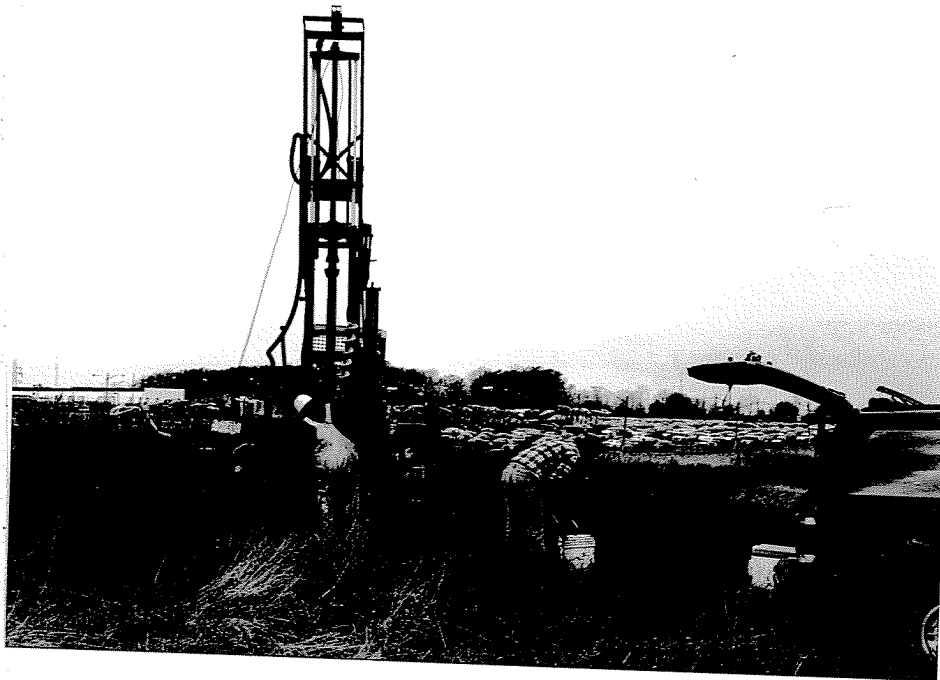
11-6-96

SB-9



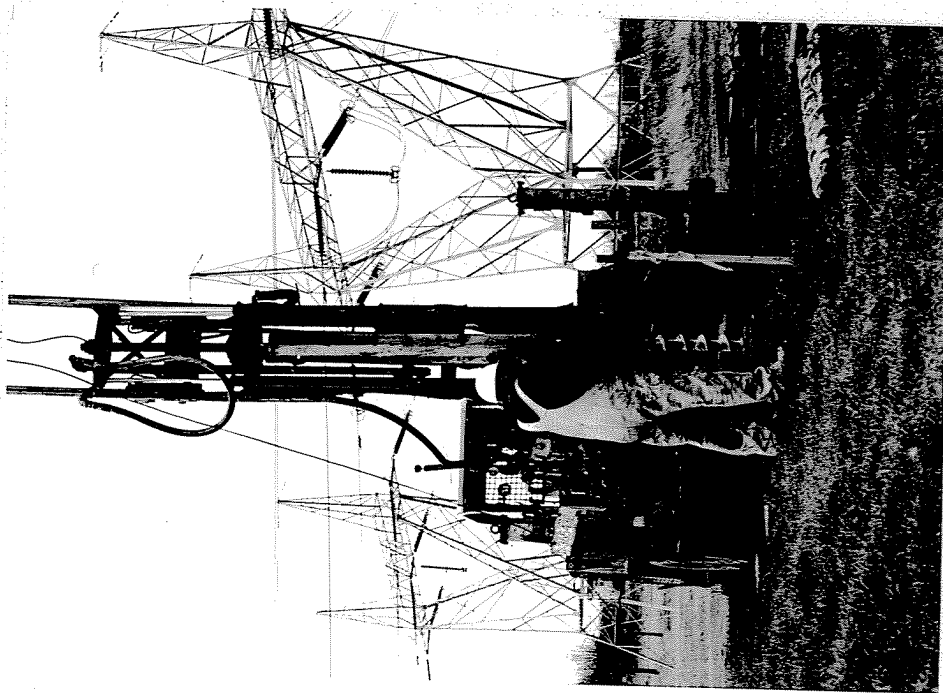
11-7-96

SB-10



11-7-96

SB-11



11-7-96

SB-12



11-7-96

SB-12

1-25

OF-7000

11-7-96

Vanadium site (932001)

View TO EAST/southeast OF
Rig at SB-12

VANADIUM SAMPLE INVENTORY

SAMPLE #	DATE SAMPLED	DESCRIPTION	TCL VOA	TCL SEMI	TAL MATALS	Cr VI	COR.	REA.
01	11/6/96	SS-3 CAVE ✓		X	X	X		
02	11/4/96	SB-1B WASTE	X	X	X	X	X	X
03	11/4/96	GR. SUR. WASTE ✓		X	X	X		
04	11/6/96	SS-4 MOUND ✓		X	X	X		
05	11/4/96	SB-2B WASTE	X	X	X	X	X	X
06	11/4/96	SB-2C SUB SOIL	X	X	X	X		
07	11/6/96	SS-5 HIDEOUT ✓		X	X			
08	11/5/96	SB-3B WASTE	X	X	X	X	X	X
09	11/5/96	SB-3C SUB SOIL	X	X	X			
10	11/6/96	SB-3A SUR SOIL ✓		X	X			
11	11/5/96	SB-4B WASTE	X	X	X	X	X	X
12	11/5/96	SB-4C SUB SOIL	X	X	X			
13	11/6/96	SS-6 SUR SOIL ✓		X	X			
14	-	NO SAMPLE	-	-	-	-	-	-
15	11/5/96	SB-5C SUB SOIL	X	X	X			
16	11/6/96	SS-7 BIKE PATH ✓		X	X			
17	11/5/96	SB-6B WASTE	X	X	X	X	X	X
18	11/5/96	SB-6C SUB SOIL	X	X	X			
19	11/6/96	SS-8 BIKE PATH ✓		X	X	X		
20	11/6/96	SB-7B WASTE	X	X	X	X	X	X
21	11/6/96	SB-7C SUB SOIL	X	X	X	X		
22	11/6/96	SS-9 SUR WASTE ✓		X	X			
23	11/6/96	SB-8B WASTE	X	X	X	X	X	X
24	11/6/96	SB-8C SUB SOIL	X	X	X			
25	11/6/96	SB-9A SUR SOIL ✓		X	X	X		

SAMPLE #	DATE SAMPLED	DESCRIPTION	TCL VOA	TCL SEMI	TAL MATALS	Cr VI	COR.	REA.
26	11/6/96	SB-9B WASTE	X	X	X	X	X	X
27	11/6/96	SB-9C SUB SOIL	X	X	X			
28	11/7/96	SB-10A SUR. SOIL ✓		X	X	X		
29	11/7/96	SB-10B WASTE	X	X	X	X	X	X
30	11/7/96	SB-10C SUB SOIL	X	X	X			
31	-	NO SAMPLE	-	-	-	-	-	-
32	11/7/96	SB-11B WASTE	X	X	X	X	X	X
33	11/7/96	SB-11C SUB SOIL	X	X	X	X		
34	-	NO SAMPLE	-	-	-	-	-	-
35	11/7/96	SB-12B WASTE	X	X	X	X	X	X
36	11/7/96	SB-12C SUB SOIL	X	X	X			
37	11/6/96	TP-1 WASTE	X	X	X	X	X	X
38	11/7/96	SB-12D WASTE		X	X	X		
39	11/7/96	MW-2B	X	X	X	X		
40	11/7/96	MW-3A	X	X	X	X		
41	11/7/96	MW-3B	X	X	X	X		
42	11/7/96	MW-4A	X	X	X	X		
43	11/7/96	MW-4B	X	X	X	X		
44	11/7/96	MW-5A	X	X	X	X		
45	11/7/96	MW-5B	X	X	X	X		
46	11/7/96	MW-7A (USGS)	X	X	X	X		
47	11/7/96	TRIP BLANK	X					
48	11/7/96	SB-12E WASTE	X	X	X	X	X	X
49	11/7/96	MW-1B	X	X	X	X		
50	10/23/96	MW-2 SUR SOIL ✓	X	X	X	X		



OK

TABLE V-I

SURFACE SOIL SAMPLES Volatile Organic Compounds (ug/kg)						
Parameter	TAGM 4046.	MW-2	MW-3	MW-4	MW-5	SS-1
Methylene Chloride	100	2BJ				2BJ
Acetone	200	4BJ	20B	38B	2BJ	3BJ

Note: Detected volatile compounds only

B - Compound Detected in Blank

J - Estimated below Quantification Limit

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59250

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 54697
 Sample wt/vol: 5.2 (g/mL) G Lab File ID: H8505
 Level: (low/med) LOW Date Received: 10/23/96
 % Moisture: not dec. 35 Date Analyzed: 10/30/96
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59250

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54697

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: H8505

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 35

Date Analyzed: 10/30/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59251

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54698

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: H8521

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 31

Date Analyzed: 10/31/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	Acetone	20	B
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59251

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54698

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: H8521

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 31

Date Analyzed: 10/31/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59252

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54699

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

Lab File ID: H8522

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 38

Date Analyzed: 10/31/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	16	U
67-64-1	Acetone	38	B ✓
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59252

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54699

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

Lab File ID: H8522

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 38

Date Analyzed: 10/31/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59253

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54700

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

Lab File ID: H8510

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 15

Date Analyzed: 10/30/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59253

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54700

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

Lab File ID: H8510

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: not dec. 15

Date Analyzed: 10/30/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Dimethylcyclohexane isomer	21.70	7	J

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59260

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix: (soil/water) SOIL Lab Sample ID: 54702

Sample wt/vol: 5.1 (g/mL) G Lab File ID: H8512

Level: (low/med) LOW Date Received: 10/23/96

% Moisture: not dec. 31 Date Analyzed: 10/30/96

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

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

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59260

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 54702
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: H8512
 Level: (low/med) LOW Date Received: 10/23/96
 % Moisture: not dec. 31 Date Analyzed: 10/30/96
 GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	14	U
74-83-9	-----Bromomethane	14	U
75-01-4	-----Vinyl Chloride	14	U
75-00-3	-----Chloroethane	14	U
75-09-2	-----Methylene Chloride	14	U
67-64-1	-----Acetone	2	BJ
75-15-0	-----Carbon Disulfide	3	BJ
75-35-4	-----1,1-Dichloroethene	14	U
75-34-3	-----1,1-Dichloroethane	14	U
540-59-0	-----1,2-Dichloroethene (total)	14	U
67-66-3	-----Chloroform	14	U
107-06-2	-----1,2-Dichloroethane	14	U
78-93-3	-----2-Butanone	14	U
71-55-6	-----1,1,1-Trichloroethane	14	U
56-23-5	-----Carbon Tetrachloride	14	U
75-27-4	-----Bromodichloromethane	14	U
78-87-5	-----1,2-Dichloropropane	14	U
10061-01-5	-----cis-1,3-Dichloropropene	14	U
79-01-6	-----Trichloroethene	14	U
124-48-1	-----Dibromochloromethane	14	U
79-00-5	-----1,1,2-Trichloroethane	14	U
71-43-2	-----Benzene	14	U
10061-02-6	-----trans-1,3-Dichloropropene	14	U
75-25-2	-----Bromoform	14	U
108-10-1	-----4-Methyl-2-Pentanone	14	U
591-78-6	-----2-Hexanone	14	U
127-18-4	-----Tetrachloroethene	14	U
79-34-5	-----1,1,2,2-Tetrachloroethane	14	U
108-88-3	-----Toluene	14	U
108-90-7	-----Chlorobenzene	14	U
100-41-4	-----Ethylbenzene	14	U
100-42-5	-----Styrene	14	U
1330-20-7	-----Xylene (total)	14	U

OK

Table V-II

SURFACE SOIL SAMPLES Semivolatile Organic Compounds (ug/kg)											
Parameter	TAGM 4046	MW-2	MW-3	MW-4	MW-5	SS-1	SS-2	SS-3 cave	SS-4 mound	SS-5 Hideout	SS-6
Naphthalene	13000							180J		90J	
2-methylnaphthalene	36400							66J			
Acenaphthene	50000		120J			110J		170J		260J	
Dibenzofuran	6200							130J		71J	
Diethylphthalate	7100		110J					110J	120J	770	
Flourene	50000					79J		150J		120J	
Phenanthrene	50000	79J	690	120J	340J	1200	55J	1500	150J	1200	220J
Anthracene	50000		140J	120J	120J	230J		340J		280J	51J
Carbazole			120J		56J	140J		330J		200J	
Di-n-Butylphthalate	8100							94J			
Flouranthene	50000	140J	1500	170J	660	1800	99J	1900	320J	1900	320J
Pyrene	50000	140J	1400	250J	690	1800	110J	2000	260J	2600	240J
Benzo (a) Anthracene	224	97J	970	150J	640	1100	67J	1500	180J	1600	180J
Chrysene	400	110J	1100	140J	1900	1200	82J	1400	220J	1500	190J
bis (2-ethylhexyl) Phthalate	50000		60BJ	680B	170BJ		150J	130J		68J	790
Benzo (b) Flouranthene	1100	200J	1000	300J	1000	2200	150J	2600	310J	1800	320J
Benzo (k) Flouranthene	1100		1200						230J	1300	
Benzo (a) Pyrene	61	120J	1400	180J	590	1400	84J	1400	240J	1900	210J
Indeno (1,2,3-cd) Pyrene	3200	87J	980	170J	400	850	79J	1200	160J	1500	150J
Dibenz (a,h) Anthracene	14		450J	82J	190J	360J		550	81J	680	80J
Benzo (g,h,i) Perylene	50000	88J	1100	190J	430	860	110J	1300	150J	1800	160J

Note: Detected compounds only

V-II

Table (Cont)

SURFACE SOIL SAMPLES									
Semivolatile Organic Compounds (ug/kg)									
Parameter	TAGM 4046	SS-7 path	SS-8 path	SS-9	SB-3A	SB-9A	SB-10A	GREEN SUR. WASTE	
Naphthalene	13000				49J				
Acenaphthene	50000				270J	56J			
Dibenzofuran	6200				46J				
Diethylphthalate	7100						89J		
Flourene	50000				96J				
Phenanthrene	50000	100J	100J	150J	1100	250J	66J		
Anthracene	50000				240J	57J			
Carbazole					190J				
Flouranthene	50000	220J	230J	230J	2200	480	110J		
Pyrene	50000	170J	210J	220J	2800	550	120J		
Benzo (a) Anthracene	224	130J	140J	160J	2200	340J			
Chrysene	400	150J	160J	160J	1900	360J	62J		
bis (2-ethylhexyl) Phthalate	50000			95J	150J		14000D	36J	
Benzo (b) Flouranthene	1100	140J	190J	160J	2500	420	73J		
Benzo (k) Flouranthene	1100	160J	160J	130J	1800	360J			
Benzo (a) Pyrene	61	170J	190J	170J	2300	440			
Indeno (1,2,3-cd) Pyrene	3200	130J	150J	120J	1900	330J			
Dibenz (a,h) Anthracene	14	64J	71J	65J	880	160J			
Benzo (g,h,i) Perylene	50000	140J	170J	140J	2200	380J			

Note: Detected Compounds Only

SS-3
Cave ✓

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59201

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55560

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

Lab File ID: B1796

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	180	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	66	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	170	J

FORM I SV-1

12/91
238

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59201

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55560

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

Lab File ID: B1796

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

CONCENTRATION UNITS:

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

51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	130	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	110	P
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	150	J
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	340	J
86-74-8	Carbazole	330	J
84-74-2	Di-n-Butylphthalate	94	J
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	2000	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	1500	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)Phthalate	130	J
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	2600	
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	1400	
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	
53-70-3	Dibenz(a,h)Anthracene	550	
191-24-2	Benzo(g,h,i)Perylene	1300	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59201

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix: (soil/water) SOIL Lab Sample ID: 55560

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1796

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.7

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Cyclohexenol isomer	6.80	91	J
2.	Unknown	7.51	160	J
3.	Cyclohexanone isomer	7.92	420	J
4.	Unknown	8.39	590	J
5.	Unknown	8.90	230	J
6.	Unknown	9.55	300	J
7.	Unknown	10.96	610	J
8.	Straight-chain alkane	21.07	84	J
9.	Straight-chain alkane	22.58	100	J
10.	Branched-chain alkane	22.65	110	J
11.	Unknown PAH	23.57	82	J
12.	Straight-chain alkane	24.00	92	J
13.	Unknown aromatic compound	24.50	110	J
14.	Unknown PAH	25.86	100	J
15.	Unknown PAH	26.13	210	J
16.	Unknown phthalate	27.73	480	J
17.	Octachlorobiphenyl isomer	33.87	200	J
18.	Octachlorobiphenyl isomer	33.98	150	J

SS-4
MOUND ✓
DEC SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59204

Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55561
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1974
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 27 decanted: (Y/N) N Date Extracted: 11/19/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/02/96
 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
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.

A59204

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55561

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

Lab File ID: B1974

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/19/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 12/02/96

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	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	150	J
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-Butylphthalate	450	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)Anthracene	180	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl) Phthalate	450	U
117-84-0	Di-n-Octyl Phthalate	450	U
205-99-2	Benzo(b)Fluoranthene	310	J
207-08-9	Benzo(k)Fluoranthene	230	J
50-32-8	Benzo(a)Pyrene	240	J
193-39-5	Indeno(1,2,3-cd)Pyrene	160	J
53-70-3	Dibenz(a,h)Anthracene	81	J
191-24-2	Benzo(g,h,i)Perylene	150	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59204

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55561

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

Lab File ID: B1974

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/19/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 12/02/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	Xylene isomer	6.49	2000	BJ
2. 79-34-5	Ethane, 1,1,2,2-tetrachloro-	7.03	110	JN
3.	Unknown	7.50	230	J
4.	Unknown	8.04	1300	BJ
5.	Unknown	8.71	110	J
6.	Unknown	9.24	1800	BJ
7.	Unknown	9.68	210	J
8.	Unknown	10.42	93	J
9.	Unknown	10.58	1300	J
10.	Unknown aromatic compound	25.68	210	J
11.	Unknown aromatic compound	26.07	140	J
12.	Straight-chain alkane	33.77	110	J
13.	Straight-chain alkane	35.60	310	J
14.	Unknown PAH	35.87	180	J

55-5
HIDEOUT ✓
DEC SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59207

Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55562
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1764
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 36 decanted: (Y/N) N Date Extracted: 11/08/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/14/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.6

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	520	U	
111-44-4	bis(2-Chloroethyl) Ether	520	U	
95-57-8	2-Chlorophenol	520	U	
541-73-1	1,3-Dichlorobenzene	520	U	
106-46-7	1,4-Dichlorobenzene	520	U	
95-50-1	1,2-Dichlorobenzene	520	U	
95-48-7	2-Methylphenol	520	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U	
106-44-5	4-Methylphenol	520	U	
621-64-7	N-Nitroso-Di-n-Propylamine	520	U	
67-72-1	Hexachloroethane	520	U	
98-95-3	Nitrobenzene	520	U	
78-59-1	Isophorone	520	U	
88-75-5	2-Nitrophenol	520	U	
105-67-9	2,4-Dimethylphenol	520	U	
111-91-1	bis(2-Chloroethoxy)Methane	520	U	
120-83-2	2,4-Dichlorophenol	520	U	
120-82-1	1,2,4-Trichlorobenzene	520	U	
91-20-3	Naphthalene	90	J	
106-47-8	4-Chloroaniline	520	U	
87-68-3	Hexachlorobutadiene	520	U	
59-50-7	4-Chloro-3-Methylphenol	520	U	
91-57-6	2-Methylnaphthalene	520	U	
77-47-4	Hexachlorocyclopentadiene	520	U	
88-06-2	2,4,6-Trichlorophenol	520	U	
95-95-4	2,4,5-Trichlorophenol	1200	U	
91-58-7	2-Chloronaphthalene	520	U	
88-74-4	2-Nitroaniline	1200	U	
131-11-3	Dimethylphthalate	520	U	
208-96-8	Acenaphthylene	520	U	
606-20-2	2,6-Dinitrotoluene	520	U	
99-09-2	3-Nitroaniline	1200	U	
83-32-9	Acenaphthene	260	J	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59207

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55562

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

Lab File ID: B1764

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 36 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/14/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	71	U
121-14-2-----	2,4-Dinitrotoluene	520	U
84-66-2-----	Diethylphthalate	770	U
7005-72-3-----	4-Chlorophenyl-phenylether	520	U
86-73-7-----	Fluorene	120	J
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	520	U
101-55-3-----	4-Bromophenyl-phenylether	520	U
118-74-1-----	Hexachlorobenzene	520	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	1200	U
120-12-7-----	Anthracene	280	J
86-74-8-----	Carbazole	200	J
84-74-2-----	Di-n-Butylphthalate	520	U
206-44-0-----	Fluoranthene	1900	U
129-00-0-----	Pyrene	2600	U
85-68-7-----	Butylbenzylphthalate	520	U
91-94-1-----	3,3'-Dichlorobenzidine	520	U
56-55-3-----	Benzo (a) Anthracene	1600	U
218-01-9-----	Chrysene	1500	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	68	J
117-84-0-----	Di-n-Octyl Phthalate	520	U
205-99-2-----	Benzo (b) Fluoranthene	1800	U
207-08-9-----	Benzo (k) Fluoranthene	1300	U
50-32-8-----	Benzo (a) Pyrene	1900	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	1500	U
53-70-3-----	Dibenz (a,h) Anthracene	680	U
191-24-2-----	Benzo (g,h,i) Perylene	1800	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59207

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55562
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1764
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 36 decanted: (Y/N) N Date Extracted: 11/08/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/14/96
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 20 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.52	600	BJ
2.	Unknown	9.01	280	J
3.	Unknown	9.73	1100	J
4.	Unknown	11.11	1100	J
5.	Unknown carboxylic acid	23.19	220	J
6. 1002-84-2	Pentadecanoic acid	24.62	410	JN
7.	Unknown carboxylic acid	24.74	250	J
8.	Unknown carboxylic acid	26.24	1300	J
9.	Unknown carboxylic acid	26.47	990	J
10.	Unknown hydrocarbon	26.98	400	J
11.	Unknown	28.67	750	J
12.	Unknown PAH	30.02	190	J
13.	Branched-chain alkane	30.36	390	J
14.	Unknown oxygenated hydrocarbo	32.50	1200	J
15.	Unknown carboxylic acid	33.26	190	J
16.	Unknown hydrocarbon	34.53	2200	J
17.	Unknown oxygenated hydrocarbo	35.86	430	J
18.	Straight-chain alkane	36.42	1200	J
19.	Straight-chain alkane	38.78	2500	J
20.	Sitosterol isomer	43.58	2900	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59210

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55563
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1827
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 14 decanted: (Y/N) N Date Extracted: 11/15/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/21/96
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl) Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	49	J
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	930	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	270	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59210

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55563

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

Lab File ID: B1827

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 11/15/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	930	U
100-02-7-----4-Nitrophenol	930	U
132-64-9-----Dibenzofuran	46	J
121-14-2-----2,4-Dinitrotoluene	380	U
84-66-2-----Diethylphthalate	380	U
7005-72-3-----4-Chlorophenyl-phenylether	380	U
86-73-7-----Fluorene	96	J
100-01-6-----4-Nitroaniline	930	U
534-52-1-----4,6-Dinitro-2-methylphenol	930	U
86-30-6-----N-Nitrosodiphenylamine (1)	380	U
101-55-3-----4-Bromophenyl-phenylether	380	J
118-74-1-----Hexachlorobenzene	380	U
87-86-5-----Pentachlorophenol	930	U
85-01-8-----Phenanthrene	1100	J
120-12-7-----Anthracene	240	J
86-74-8-----Carbazole	190	J
84-74-2-----Di-n-Butylphthalate	380	U
206-44-0-----Fluoranthene	2200	J
129-00-0-----Pyrene	2800	J
85-68-7-----Butylbenzylphthalate	380	U
91-94-1-----3,3'-Dichlorobenzidine	380	U
56-55-3-----Benzo(a)Anthracene	2200	J
218-01-9-----Chrysene	1900	J
117-81-7-----bis(2-Ethylhexyl)Phthalate	150	J
117-84-0-----Di-n-Octyl Phthalate	380	U
205-99-2-----Benzo(b)Fluoranthene	2500	J
207-08-9-----Benzo(k)Fluoranthene	1800	J
50-32-8-----Benzo(a)Pyrene	2300	J
193-39-5-----Indeno(1,2,3-cd)Pyrene	1900	J
53-70-3-----Dibenz(a,h)Anthracene	880	J
191-24-2-----Benzo(g,h,i)Perylene	2200	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59210

Company Name: E & E INC.

Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix: (soil/water) SOIL Lab Sample ID: 55563

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1827

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 11/15/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 19 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	6.74	2000	BJ
2. 79-34-5	Ethane 1,1,2,2-tetrachloro	7.28	120	BJN
3.	Unknown	8.32	2100	BJ
4.	Unknown	8.54	83	J
5.	Unknown	8.77	99	J
6.	Unknown	9.44	580	BJ
7.	Unknown	9.93	510	J
8.	Unknown PAH	25.94	210	J
9.	Unknown PAH	28.31	94	J
10.	Unknown PAH	29.65	190	J
11.	Unknown PAH	29.85	130	J
12.	Unknown PAH	29.96	89	J
13.	Unknown PAH	30.05	150	J
14.	Unknown adipate	31.19	100	J
15.	Unknown PAH	31.72	150	J
16.	Unknown PAH	32.73	120	J
17.	Unknown PAH	33.66	120	J
18.	Straight-chain alkane	36.02	520	J
19.	Unknown PAH	36.45	670	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59213

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55564
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1797
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 31 decanted: (Y/N) N Date Extracted: 11/08/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/18/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.5

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	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	Napthalene	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-Methylnapthalene	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-Chloronapthalene	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.

A59213

Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55564
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1797
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 31 decanted: (Y/N) N Date Extracted: 11/08/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/18/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.5

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

CAS NO.	COMPOUND	CONCENTRATION	STATUS
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	480	U
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	51	J
86-74-8	Carbazole	480	U
84-74-2	Di-n-Butylphthalate	480	U
206-44-0	Fluoranthene	320	J
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)Anthracene	180	J
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl) Phthalate	790	U
117-84-0	Di-n-Octyl Phthalate	480	U
205-99-2	Benzo(b)Fluoranthene	320	J
207-08-9	Benzo(k)Fluoranthene	480	U
50-32-8	Benzo(a)Pyrene	210	J
193-39-5	Indeno(1,2,3-cd)Pyrene	150	J
53-70-3	Dibenz(a,h)Anthracene	80	J
191-24-2	Benzo(g,h,i)Perylene	160	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59213

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55564

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

Lab File ID: B1797

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.5

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

Number TICs found: 19

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====				
1.	Unknown	7.52	150	BJ
2.	Cyclohexanone isomer	7.91	160	J
3.	Unknown	8.40	780	BJ
4.	Unknown	8.90	240	J
5.	Unknown	9.60	850	J
6.	Unknown	10.06	110	J
7.	Unknown	10.98	920	J
8.	Unknown carboxylic acid	26.25	310	J
9.	Unknown hydrocarbon	28.50	200	J
10.	Unknown	30.20	210	J
11.	Unknown	31.34	320	J
12.	Unknown	31.56	930	J
13.	Straight-chain alkane	32.34	280	J
14.	Pentadecylphenol isomer	32.45	210	J
15.	Unknown	33.74	1100	J
16.	Straight-chain alkane	34.31	1900	J
17.	Unknown	35.64	570	J
18.	Straight-chain alkane	36.20	650	J
19.	Straight-chain alkane	38.49	1500	J

SS-7
BIKE PATH ✓
DEC SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59216

Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55565
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1798
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: 20 decanted: (Y/N) N Date Extracted: 11/08/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/18/96
 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
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl) Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59216

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55565

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

Lab File ID: B1798

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

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

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	100	J
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-Butylphthalate	410	U
206-44-0-----	Fluoranthene	220	J
129-00-0-----	Pyrene	170	J
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo (a) Anthracene	130	J
218-01-9-----	Chrysene	150	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	410	U
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo (b) Fluoranthene	140	J
207-08-9-----	Benzo (k) Fluoranthene	160	J
50-32-8-----	Benzo (a) Pyrene	170	J
193-39-5-----	Indeno (1,2,3-cd) Pyrene	130	J
53-70-3-----	Dibenz (a,h) Anthracene	64	J
191-24-2-----	Benzo (g,h,i) Perylene	140	J

(1) - Cannot be separated from Diphenylamine

55-9

DEC SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59222

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55567

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

Lab File ID: B1799

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 9.0

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

CAS NO.

COMPOUND

Q

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

12/91

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59222

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55567

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

Lab File ID: B1799

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.0

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

CAS NO.

COMPOUND

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	150	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	230	J
129-00-0-----	Pyrene	220	J
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	420	U
56-55-3-----	Benzo(a)Anthracene	160	J
218-01-9-----	Chrysene	160	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	95	J
117-84-0-----	Di-n-Octyl Phthalate	420	U
205-99-2-----	Benzo(b)Fluoranthene	160	J
207-08-9-----	Benzo(k)Fluoranthene	130	J
50-32-8-----	Benzo(a)Pyrene	170	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	120	J
53-70-3-----	Dibenz(a,h)Anthracene	65	J
191-24-2-----	Benzo(g,h,i)Perylene	140	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

12/91

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59222

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55567

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

Lab File ID: B1799

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 9.0

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 79-34-5	Ethane, 1,1,2,2-tetrachloro-	7.42	91	JN
2.	Unknown	7.52	110	BJ
3.	Cyclohexanone isomer	7.91	120	J
4.	Unknown	8.42	840	BJ
5.	Unknown	8.90	160	J
6.	Unknown	9.58	530	J
7.	Unknown	10.04	89	J
8.	Unknown	10.96	480	J
9.	Unknown carboxylic acid	26.25	160	J
10.	Unknown oxygenated hydrocarb	27.78	130	J
11.	Unknown	28.40	220	J
12.	Unknown hydrocarbon	32.33	450	J
13.	Straight-chain alkane	34.30	450	J
14.	Straight-chain alkane	35.23	180	J
15.	Unknown oxygenated hydrocarb	35.66	1200	J
16.	Straight-chain alkane	36.21	920	J
17.	Unknown oxygenated hydrocarbo	36.29	1500	J
18.	Straight-chain alkane	41.58	2000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59225

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55568

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

Lab File ID: B1829

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

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

CAS NO.

COMPOUND

Q

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	56	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59225

Client Name: E & E INC.

Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix: (soil/water) SOIL Lab Sample ID: 55568

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1829

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

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

CAS NO. COMPOUND 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	250	J
120-12-7	Anthracene	57	J
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	530	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)Anthracene	340	J
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl) Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b) Fluoranthene	420	U
207-08-9	Benzo(k) Fluoranthene	360	J
50-32-8	Benzo(a) Pyrene	440	J
193-39-5	Indeno(1,2,3-cd) Pyrene	330	J
53-70-3	Dibenz(a,h) Anthracene	160	J
191-24-2	Benzo(g,h,i) Perylene	380	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59225

Name: E & E INC.

Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix: (soil/water) SOIL Lab Sample ID: 55568

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1829

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 20 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	7.38	160	BJ
2.	Cyclohexanone isomer	7.78	220	J
3.	Unknown	8.26	640	BJ
4.	Unknown	8.98	120	J
5.	Unknown	9.45	770	J
6.	Unknown	10.83	660	J
7. 1002-84-2	Pentadecanoic acid	24.28	140	JN
8.	Unknown carboxylic acid	24.39	130	J
9.	Unknown oxygenated hydrocarb	25.87	170	J
10.	Unknown oxygenated hydrocarb	26.00	380	J
11. 57-10-3	Hexadecanoic acid	26.12	450	JN
12.	Unknown hydrocarbon	26.64	150	J
13.	Unknown hydrocarbon	28.30	200	J
14.	Unknown oxygenated hydrocarb	32.16	400	J
15.	Unknown oxygenated hydrocarb	34.17	550	J
16.	Straight-chain alkane	35.07	180	J
17.	Unknown oxgenated hydrocarbo	35.48	650	J
18.	Straight-chain alkane	36.03	380	J
19.	Unknown oxgenated hydrocarbo	36.11	550	J
20.	Straight-chain alkane	41.25	2200	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59228

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55660

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

Lab File ID: B1843

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

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	510	U
111-44-4	bis(2-Chloroethyl) Ether	510	U
95-57-8	2-Chlorophenol	510	U
541-73-1	1,3-Dichlorobenzene	510	U
106-46-7	1,4-Dichlorobenzene	510	U
95-50-1	1,2-Dichlorobenzene	510	U
95-48-7	2-Methylphenol	510	U
108-60-1	2,2'-oxybis(1-Chloropropane)	510	U
106-44-5	4-Methylphenol	510	U
621-64-7	N-Nitroso-Di-n-Propylamine	510	U
67-72-1	Hexachloroethane	510	U
98-95-3	Nitrobenzene	510	U
78-59-1	Isophorone	510	U
88-75-5	2-Nitrophenol	510	U
105-67-9	2,4-Dimethylphenol	510	U
111-91-1	bis(2-Chloroethoxy)Methane	510	U
120-83-2	2,4-Dichlorophenol	510	U
120-82-1	1,2,4-Trichlorobenzene	510	U
91-20-3	Naphthalene	510	U
106-47-8	4-Chloroaniline	510	U
87-68-3	Hexachlorobutadiene	510	U
59-50-7	4-Chloro-3-Methylphenol	510	U
91-57-6	2-Methylnaphthalene	510	U
77-47-4	Hexachlorocyclopentadiene	510	U
88-06-2	2,4,6-Trichlorophenol	510	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	510	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	510	U
208-96-8	Acenaphthylene	510	U
606-20-2	2,6-Dinitrotoluene	510	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	510	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59228

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55660

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

Lab File ID: B1843

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

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

CAS NO.

COMPOUND

51-28-5-----2,4-Dinitrophenol	1200	U
100-02-7-----4-Nitrophenol	1200	U
132-64-9-----Dibenzofuran	510	U
121-14-2-----2,4-Dinitrotoluene	510	U
84-66-2-----Diethylphthalate	89	J
7005-72-3-----4-Chlorophenyl-phenylether	510	U
86-73-7-----Fluorene	510	U
100-01-6-----4-Nitroaniline	1200	U
534-52-1-----4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----N-Nitrosodiphenylamine (1)	510	U
101-55-3-----4-Bromophenyl-phenylether	510	U
118-74-1-----Hexachlorobenzene	510	U
87-86-5-----Pentachlorophenol	1200	U
85-01-8-----Phenanthrene	66	J
120-12-7-----Anthracene	510	U
86-74-8-----Carbazole	510	U
84-74-2-----Di-n-Butylphthalate	510	U
206-44-0-----Fluoranthene	110	J
129-00-0-----Pyrene	120	J
85-68-7-----Butylbenzylphthalate	510	U
91-94-1-----3,3'-Dichlorobenzidine	510	U
56-55-3-----Benzo (a) Anthracene	510	U
218-01-9-----Chrysene	62	J
117-81-7-----bis(2-Ethylhexyl) Phthalate	8400	E
117-84-0-----Di-n-Octyl Phthalate	510	U
205-99-2-----Benzo (b) Fluoranthene	73	J
207-08-9-----Benzo (k) Fluoranthene	510	U
50-32-8-----Benzo (a) Pyrene	510	U
193-39-5-----Indeno (1,2,3-cd) Pyrene	510	U
53-70-3-----Dibenz (a,h) Anthracene	510	U
191-24-2-----Benzo (g,h,i) Perylene	510	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59228

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55660

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

Lab File ID: B1843

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.8

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.24	590	BJ
2.	Unknown	9.42	900	J
3.	Unknown	10.80	400	J
4.	Straight-chain alkane	17.61	120	J
5.	Pharmaceutical Sulfur	19.74	120	J
6.	Straight-chain alkane	22.41	1800	J
7.	Unknown carboxylic acid	23.45	1400	J
8.	Straight-chain alkane	23.84	330	J
9.	Unknown carboxylic acid	24.28	340	J
10.	Unknown	24.40	230	J
11.	Unknown oxygenated hydrocarb	24.51	280	J
12.	Unknown carboxylic acid	24.76	410	J
13.	Straight-chain alkane	25.19	260	J
14.	Unknown oxygenated hydrocarb	25.89	640	J
15.	Unknown carboxylic acid	26.17	3000	J
16.	Straight-chain alkane	26.49	350	J
17.	Unknown carboxylic acid	28.35	2900	J
18.	Straight-chain alkane	34.12	1500	J
19.	Striaight-chain alkane	36.00	2200	J
20.	Straight-chain alkane	38.22	2200	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59228DL

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55660DL

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

Lab File ID: B1847

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 9.8

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	2000	U
111-44-4-----bis(2-Chloroethyl) Ether	2000	U
95-57-8-----2-Chlorophenol	2000	U
541-73-1-----1,3-Dichlorobenzene	2000	U
106-46-7-----1,4-Dichlorobenzene	2000	U
95-50-1-----1,2-Dichlorobenzene	2000	U
95-48-7-----2-Methylphenol	2000	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	2000	U
106-44-5-----4-Methylphenol	2000	U
621-64-7-----N-Nitroso-Di-n-Propylamine	2000	U
67-72-1-----Hexachloroethane	2000	U
98-95-3-----Nitrobenzene	2000	U
78-59-1-----Isophorone	2000	U
88-75-5-----2-Nitrophenol	2000	U
105-67-9-----2,4-Dimethylphenol	2000	U
111-91-1-----bis(2-Chloroethoxy)Methane	2000	U
120-83-2-----2,4-Dichlorophenol	2000	U
120-82-1-----1,2,4-Trichlorobenzene	2000	U
91-20-3-----Naphthalene	2000	U
106-47-8-----4-Chloroaniline	2000	U
87-68-3-----Hexachlorobutadiene	2000	U
59-50-7-----4-Chloro-3-Methylphenol	2000	U
91-57-6-----2-Methylnaphthalene	2000	U
77-47-4-----Hexachlorocyclopentadiene	2000	U
88-06-2-----2,4,6-Trichlorophenol	2000	U
95-95-4-----2,4,5-Trichlorophenol	4900	U
91-58-7-----2-Chloronaphthalene	2000	U
88-74-4-----2-Nitroaniline	4900	U
131-11-3-----Dimethylphthalate	2000	U
208-96-8-----Acenaphthylene	2000	U
606-20-2-----2,6-Dinitrotoluene	2000	U
99-09-2-----3-Nitroaniline	4900	U
83-32-9-----Acenaphthene	2000	U

FORM I SV-1

12/91

725

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59228DL

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55660DL

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

Lab File ID: B1847

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 9.8

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	4900	U
100-02-7	4-Nitrophenol	4900	U
132-64-9	Dibenzofuran	2000	U
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
86-73-7	Fluorene	2000	U
100-01-6	4-Nitroaniline	4900	U
534-52-1	4,6-Dinitro-2-methylphenol	4900	U
86-30-6	N-Nitrosodiphenylamine (1)	2000	U
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
87-86-5	Pentachlorophenol	4900	U
85-01-8	Phenanthrene	2000	U
120-12-7	Anthracene	2000	U
86-74-8	Carbazole	2000	U
84-74-2	Di-n-Butylphthalate	2000	U
206-44-0	Fluoranthene	2000	U
129-00-0	Pyrene	2000	U
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)Anthracene	2000	U
218-01-9	Chrysene	2000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	14000	D
117-84-0	Di-n-Octyl Phthalate	2000	U
205-99-2	Benzo(b)Fluoranthene	2000	U
207-08-9	Benzo(k)Fluoranthene	2000	U
50-32-8	Benzo(a)Pyrene	2000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	2000	U
53-70-3	Dibenz(a,h)Anthracene	2000	U
191-24-2	Benzo(g,h,i)Perylene	2000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59228DL

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55660DL

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

Lab File ID: B1847

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/21/96

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y

pH: 9.8

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

Number TICs found: 19

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	6.00	510	J
2.	Unknown	8.21	800	BJ
3.	Unknown	9.34	1500	BJ
4.	Straight-chain alkane	22.40	1600	J
5.	Branched-chain alkane	22.48	540	J
6.	Unknown carboxylic acid	23.37	1600	J
7.	Unknown oxygenated hydrocarb	24.50	520	J
8.	Straight-chain alkane	25.17	500	J
9.	Unknown	25.83	520	J
10.	Unknown carboxylic acid	26.08	2500	J
11.	Straight-chain alkane	26.47	800	J
12.	Unknown	28.32	1500	J
13.	Straight-chain alkane	32.14	500	J
14.	Straight-chain alkane	34.10	3600	J
15.	Unknown	34.66	3000	J
16.	Unknown oxygenated hydrocarb	35.45	2500	J
17.	Straight-chain alkane	35.98	3600	J
18.	Unknown oxygenated hydrocarb	37.60	1900	J
19.	Straight-chain alkane	38.21	15000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59250

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54597

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

Lab File ID: B1648

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/05/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.3

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	510	U
111-44-4-----	bis(2-Chloroethyl) Ether	510	U
95-57-8-----	2-Chlorophenol	510	U
541-73-1-----	1,3-Dichlorobenzene	510	U
106-46-7-----	1,4-Dichlorobenzene	510	U
95-50-1-----	1,2-Dichlorobenzene	510	U
95-48-7-----	2-Methylphenol	510	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	510	U
106-44-5-----	4-Methylphenol	510	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	510	U
67-72-1-----	Hexachloroethane	510	U
98-95-3-----	Nitrobenzene	510	U
78-59-1-----	Isophorone	510	U
88-75-5-----	2-Nitrophenol	510	U
105-67-9-----	2,4-Dimethylphenol	510	U
111-91-1-----	bis(2-Chloroethoxy) Methane	510	U
120-83-2-----	2,4-Dichlorophenol	510	U
120-82-1-----	1,2,4-Trichlorobenzene	510	U
91-20-3-----	Naphthalene	510	U
106-47-8-----	4-Chloroaniline	510	U
87-68-3-----	Hexachlorobutadiene	510	U
59-50-7-----	4-Chloro-3-Methylphenol	510	U
91-57-6-----	2-Methylnaphthalene	510	U
77-47-4-----	Hexachlorocyclopentadiene	510	U
88-06-2-----	2,4,6-Trichlorophenol	510	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	510	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	510	U
208-96-8-----	Acenaphthylene	510	U
606-20-2-----	2,6-Dinitrotoluene	510	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	510	U

FORM I SV-1

12/91

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59250

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54597

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

Lab File ID: B1648

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/05/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:

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

51-28-5-----2,4-Dinitrophenol_____	1200	U
100-02-7-----4-Nitrophenol_____	1200	U
132-64-9-----Dibenzofuran_____	510	U
121-14-2-----2,4-Dinitrotoluene_____	510	U
84-66-2-----Diethylphthalate_____	510	U
7005-72-3-----4-Chlorophenyl-phenylether____	510	U
86-73-7-----Fluorene_____	510	U
100-01-6-----4-Nitroaniline_____	1200	U
534-52-1-----4,6-Dinitro-2-methylphenol_____	1200	U
86-30-6-----N-Nitrosodiphenylamine (1)_____	510	U
101-55-3-----4-Bromophenyl-phenylether____	510	U
118-74-1-----Hexachlorobenzene_____	510	U
87-86-5-----Pentachlorophenol_____	1200	U
85-01-8-----Phenanthrene_____	79	J ✓
120-12-7-----Anthracene_____	510	U
86-74-8-----Carbazole_____	510	U
84-74-2-----Di-n-Butylphthalate_____	510	U
206-44-0-----Fluoranthene_____	140	J ✓
129-00-0-----Pyrene_____	140	J ✓
85-68-7-----Butylbenzylphthalate_____	510	U
91-94-1-----3,3'-Dichlorobenzidine_____	510	U
56-55-3-----Benzo(a)Anthracene_____	97	J ✓
218-01-9-----Chrysene_____	110	J ✓
117-81-7-----bis(2-Ethylhexyl)Phthalate_____	510	U
117-84-0-----Di-n-Octyl Phthalate_____	510	U
205-99-2-----Benzo(b)Fluoranthene_____	200	J ✓
207-08-9-----Benzo(k)Fluoranthene_____	510	U
50-32-8-----Benzo(a)Pyrene_____	120	J ✓
193-39-5-----Indeno(1,2,3-cd)Pyrene_____	87	J ✓
53-70-3-----Dibenz(a,h)Anthracene_____	510	U
191-24-2-----Benzo(g,h,i)Perylene_____	88	J ✓

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

12/91

382

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59250

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54597

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

Lab File ID: B1648

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/05/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.3

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====				
1.	Xylene isomer	7.54	540	JB
2.	Unknown	8.56	460	J
3.	Unknown	9.05	530	JB
4.	Unknown	10.28	380	J
5.	Unknown	11.70	850	J
6.	Unknown oxygenated hydrocarb	26.87	130	J
7. 57-10-3	Hexadecanoic acid	26.97	180	JN
8.	Unknown	29.20	160	J
9.	Unknown oxygenated hydrocarb	33.07	150	J
10.	Unknown oxygenated hydrocarb	35.09	360	J
11.	Straight-chain alkane	36.02	160	J
12.	Unknown oxygenated hydrocarb	36.50	640	J
13.	Straight-chain alkane	37.09	320	J
14.	Unknown oxygenated hydrocarb	37.19	760	J
15.	Unknown oxygenated hydrocarb	38.95	240	J
16.	Straight-chain alkane	39.66	1300	J
17.	Straight-chain alkane	43.15	670	J

MW-3 Sur Soil ✓

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59251

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix: (soil/water) SOIL Lab Sample ID: 54698

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1666

Level: (low/med) LOW Date Received: 10/23/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/06/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

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

CAS NO.	COMPOUND	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	120	J ✓

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59251

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54698

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

Lab File ID: B1666

Level: (low/med) LOW

Date Received: 10/23/96

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

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/06/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

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

CAS NO. COMPOUND UG/KG Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	480	U
121-14-2-----	2,4-Dinitrotoluene	480	U
84-66-2-----	Diethylphthalate	110	J ✓
7005-72-3-----	4-Chlorophenyl-phenylether	480	U
86-73-7-----	Fluorene	480	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	480	U
101-55-3-----	4-Bromophenyl-phenylether	480	U
118-74-1-----	Hexachlorobenzene	480	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	690	
120-12-7-----	Anthracene	140	J ✓
86-74-8-----	Carbazole	120	J ✓
84-74-2-----	Di-n-Butylphthalate	480	U
206-44-0-----	Fluoranthene	1500	
129-00-0-----	Pyrene	1400	
85-68-7-----	Butylbenzylphthalate	480	U
91-94-1-----	3,3'-Dichlorobenzidine	480	U
56-55-3-----	Benzo(a)Anthracene	970	
218-01-9-----	Chrysene	1100	
117-81-7-----	bis(2-Ethylhexyl) Phthalate	60	BJ ✓
117-84-0-----	Di-n-Octyl Phthalate	480	U
205-99-2-----	Benzo(b) Fluoranthene	1000	
207-08-9-----	Benzo(k) Fluoranthene	1200	
50-32-8-----	Benzo(a) Pyrene	1400	
193-39-5-----	Indeno(1,2,3-cd) Pyrene	980	
53-70-3-----	Dibenz(a,h) Anthracene	450	J ✓
191-24-2-----	Benzo(g,h,i) Perylene	1100	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59251

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 54698
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1666
 Level: (low/med) LOW Date Received: 10/23/96
 % Moisture: 31 decanted: (Y/N) N Date Extracted: 10/28/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/06/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	7.38	540	JB
2.	Unknown	8.42	410	J
3.	Unknown	8.95	590	J
4.	Unknown	10.14	560	J
5.	Unknown	11.58	1200	J
6.	Unknown	18.75	1100	J
7.	Unknown oxygenated hydrocarb	20.71	380	J
8.	Unknown oxygenated hydrocarb	26.83	790	J
9. 57-10-3	Hexadecanoic acid	26.92	370	JN
10.	Unknown oxygenated hydrocarb	30.89	210	J
11.	Unknown	32.24	250	J
12.	Unknown PAH	32.66	210	J
13.	Unknown	33.03	280	J
14.	Unknown hydrocarbon	33.99	330	J
15.	Unknown PAH	34.60	250	J
16.	Branched-chain alkane	34.95	560	J
17.	Straight-chain alkane	35.92	250	J
18.	Unknown	36.39	350	JB
19.	Unknown PAH	37.58	460	J
20.	Straight-chain alkane	39.52	260	J

NW-4 Sur Soil ✓
DEC SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59252

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 54699
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1650
 Level: (low/med) LOW Date Received: 10/23/96
 % Moisture: 38 decanted: (Y/N) N Date Extracted: 10/28/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/05/96
 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
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl) Ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	2,2'-oxybis(1-Chloropropane)	530	U
106-44-5	4-Methylphenol	530	U
621-64-7	N-Nitroso-Di-n-Propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
111-91-1	bis(2-Chloroethoxy)Methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-Methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	530	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59252

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54699

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

Lab File ID: B1650

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: 38 decanted: (Y/N) N

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/05/96

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
51-28-5-----	2,4-Dinitrophenol	1300	U
100-02-7-----	4-Nitrophenol	1300	U
132-64-9-----	Dibenzofuran	530	U
121-14-2-----	2,4-Dinitrotoluene	530	U
84-66-2-----	Diethylphthalate	530	U
7005-72-3-----	4-Chlorophenyl-phenylether	530	U
86-73-7-----	Fluorene	530	U
100-01-6-----	4-Nitroaniline	1300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	530	U
101-55-3-----	4-Bromophenyl-phenylether	530	U
118-74-1-----	Hexachlorobenzene	530	U
87-86-5-----	Pentachlorophenol	1300	U
85-01-8-----	Phenanthrene	120	J
120-12-7-----	Anthracene	120	J
86-74-8-----	Carbazole	530	U
84-74-2-----	Di-n-Butylphthalate	530	U
206-44-0-----	Fluoranthene	170	J
129-00-0-----	Pyrene	250	J
85-68-7-----	Butylbenzylphthalate	530	U
91-94-1-----	3,3'-Dichlorobenzidine	530	U
56-55-3-----	Benzo(a)Anthracene	150	J
218-01-9-----	Chrysene	140	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	680	B
117-84-0-----	Di-n-Octyl Phthalate	530	U
205-99-2-----	Benzo(b)Fluoranthene	300	J
207-08-9-----	Benzo(k)Fluoranthene	530	U
50-32-8-----	Benzo(a)Pyrene	180	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	170	J
53-70-3-----	Dibenz(a,h)Anthracene	82	J
191-24-2-----	Benzo(g,h,i)Perylene	190	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59252

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54699

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

Lab File ID: B1650

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: 38 decanted: (Y/N) N

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/05/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.1

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	7.56	550	JB
2.	Unknown	8.56	400	J
3.	Unknown	9.05	500	JB
4.	Unknown	10.29	310	J
5.	Unknown	11.72	870	J
6. 98-86-2	Acetophenone	11.96	140	JN
7.	Straight-chain alkane	23.28	120	J
8. 544-63-8	Tetradecanoic acid	24.27	110	JN
9.	Unknown oxygenated hydrocarb	26.79	120	J
10.	Unknown oxygenated hydrocarb	26.89	170	J
11. 57-10-3	Hexadecanoic acid	27.02	410	JN
12.	Unknown oxygenated hydrocarb	28.52	630	J
13.	Straight-chain alkane	28.63	180	J
14.	Straight-chain alkane	33.08	630	J
15.	Straight-chain alkane	35.05	3700	J
16.	Straight-chain alkane	37.11	1400	J
17.	Unknown oxygenated hydrocarb	38.97	4200	J
18.	Straight-chain alkane	39.67	20000	J

MW-5 Sur Soil ✓

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59253

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix: (soil/water) SOIL Lab Sample ID: 54700

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1667

Level: (low/med) LOW Date Received: 10/23/96

% Moisture: 15 decanted: (Y/N) N Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/06/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

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

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	390	U

FORM I SV-1

12/91

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59253

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54700

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

Lab File ID: B1667

Level: (low/med) LOW

Date Received: 10/23/96

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/06/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	940	U
100-02-7-----4-Nitrophenol	940	U
132-64-9-----Dibenzofuran	390	U
121-14-2-----2,4-Dinitrotoluene	390	U
84-66-2-----Diethylphthalate	390	U
7005-72-3-----4-Chlorophenyl-phenylether	390	U
86-73-7-----Fluorene	390	U
100-01-6-----4-Nitroaniline	940	U
534-52-1-----4,6-Dinitro-2-methylphenol	940	U
86-30-6-----N-Nitrosodiphenylamine (1)	390	U
101-55-3-----4-Bromophenyl-phenylether	390	U
118-74-1-----Hexachlorobenzene	390	U
87-86-5-----Pentachlorophenol	940	U
85-01-8-----Phenanthrene	340	J
120-12-7-----Anthracene	120	J
86-74-8-----Carbazole	56	J
84-74-2-----Di-n-Butylphthalate	390	U
206-44-0-----Fluoranthene	660	/
129-00-0-----Pyrene	690	/
85-68-7-----Butylbenzylphthalate	390	U
91-94-1-----3,3'-Dichlorobenzidine	390	U
56-55-3-----Benzo (a) Anthracene	640	/
218-01-9-----Chrysene	1900	/
117-81-7-----bis(2-Ethylhexyl) Phthalate	170	BJ
117-84-0-----Di-n-Octyl Phthalate	390	U
205-99-2-----Benzo (b) Fluoranthene	1000	/
207-08-9-----Benzo (k) Fluoranthene	390	U
50-32-8-----Benzo (a) Pyrene	590	/
193-39-5-----Indeno (1,2,3-cd) Pyrene	400	/
53-70-3-----Dibenz (a,h) Anthracene	190	J
191-24-2-----Benzo (g,h,i) Perylene	430	/

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59253

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 54700
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1667
 Level: (low/med) LOW Date Received: 10/23/96
 % Moisture: 15 decanted: (Y/N) N Date Extracted: 10/28/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/06/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Cyclohexanol isomer	7.36	100	J
2.	Unknown	8.10	100	JB
3.	Cyclohexanone isomer	8.49	150	J
4.	Unknown	8.95	440	JB
5.	Unknown	9.46	130	J
6.	Unknown	10.18	200	J
7.	Unknown	10.62	160	J
8.	Unknown	11.59	240	J
9.	Straight-chain alkane	23.21	87	J
10. 132-65-0	Dibenzothiophene	24.51	110	JN
11.	Unknown PAH	26.83	110	J
12. 57-10-3	Hexadecanoic acid	26.92	180	JN
13.	Straight-chain alkane	27.30	150	J
14.	Unknown oxygenated hydrocarb	36.41	550	J
15.	Straight-chain alkane	37.00	650	J

SS-1 BIKE PATH ✓

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59260

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54702

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

Lab File ID: B1669

Level: (low/med) LOW

Date Received: 10/23/96

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

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/06/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.5

CONCENTRATION UNITS:

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	110	J ✓

FORM I SV-1

12/91

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59260

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 54702

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

Lab File ID: B1669

Level: (low/med) LOW

Date Received: 10/23/96

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

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/06/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

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	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	480	U
121-14-2-----	2,4-Dinitrotoluene	480	U
84-66-2-----	Diethylphthalate	480	U
7005-72-3-----	4-Chlorophenyl-phenylether	480	U
86-73-7-----	Fluorene	79	J
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	480	U
101-55-3-----	4-Bromophenyl-phenylether	480	U
118-74-1-----	Hexachlorobenzene	480	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	1200	/
120-12-7-----	Anthracene	230	J
86-74-8-----	Carbazole	140	J
84-74-2-----	Di-n-Butylphthalate	480	U
206-44-0-----	Fluoranthene	1800	/
129-00-0-----	Pyrene	1800	/
85-68-7-----	Butylbenzylphthalate	480	U
91-94-1-----	3,3'-Dichlorobenzidine	480	U
56-55-3-----	Benzo(a)Anthracene	1100	/
218-01-9-----	Chrysene	1200	/
117-81-7-----	bis(2-Ethylhexyl)Phthalate	480	U
117-84-0-----	Di-n-Octyl Phthalate	480	U
205-99-2-----	Benzo(b)Fluoranthene	2200	/
207-08-9-----	Benzo(k)Fluoranthene	480	U
50-32-8-----	Benzo(a)Pyrene	1400	/
193-39-5-----	Indeno(1,2,3-cd)Pyrene	850	/
53-70-3-----	Dibenz(a,h)Anthracene	360	J
191-24-2-----	Benzo(g,h,i)Perylene	860	/

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59260

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 54702
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1669
 Level: (low/med) LOW Date Received: 10/23/96
 % Moisture: 31 decanted: (Y/N) N Date Extracted: 10/28/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/06/96
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 8.5

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	7.43	360	JB
2.	Unknown	8.08	100	JB
3.	Cyclohexanone isomer	8.51	100	J
4.	Unknown	8.97	940	JB
5.	Unknown	9.47	190	J
6.	Unknown	10.19	610	J
7.	Unknown	11.59	670	J
8.	Unknown PAH	26.85	220	J
9.	Unknown PAH	30.58	150	J
10.	Unknown PAH	30.78	100	J
11.	Unknown PAH	32.69	200	J
12.	Unknown PAH	33.68	170	J
13.	Straight-chain alkane	37.00	140	J
14.	Unknown PAH	37.63	120	J

SS-2 ✓

DEC SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59268

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix: (soil/water) SOIL Lab Sample ID: 55569

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1800

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: 30 decanted: (Y/N) N Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/18/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS	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	470	U
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	55	J
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-Butylphthalate	470	U
206-44-0	Fluoranthene	99	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo (a) Anthracene	67	J
218-01-9	Chrysene	82	J
117-81-7	bis(2-Ethylhexyl) Phthalate	150	J
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo (b) Fluoranthene	150	J
207-08-9	Benzo (k) Fluoranthene	470	U
50-32-8	Benzo (a) Pyrene	84	J
193-39-5	Indeno (1,2,3-cd) Pyrene	79	J
53-70-3	Dibenz (a,h) Anthracene	470	U
191-24-2	Benzo (g,h,i) Perylene	110	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59268

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55569

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

Lab File ID: B1800

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/18/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 11.0

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Cyclohexenol isomer	7.15	98	J
2.	Unknown	7.79	1300	BJ
3.	Cyclohexanone isomer	8.11	170	J
4.	Unknown	8.54	450	BJ
5.	Unknown	9.01	150	J
6.	Unknown	9.67	380	J
7.	2-Fluorophenol acetate	10.91	160	J
8.	Unknown	11.03	520	J
9.	Unknown oxygenated hydrocarb	13.99	810	J
10.	2-Chorophenol-d4 acetate	14.16	270	J
11.	Straight-chain alkane	22.57	130	J
12.	2,4,6-tribromophenyl acetate	23.36	220	J
13.	Straight-chain alkane	24.00	110	J
14.	Straight-chain alkane	25.37	220	J
15.	Straight-chain alkane	26.67	280	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59203

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55444

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

Lab File ID: B1746

Level: (low/med) LOW

Date Received: 11/04/96

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 11/07/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/14/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

CONCENTRATION UNITS:

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

12/91

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59203

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55444

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

Lab File ID: B1746

Level: (low/med) LOW

Date Received: 11/04/96

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 11/07/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/14/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

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	36	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.

7

A59203

Client: E & E INC. Contract: C003181
 Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix: (soil/water) SOIL Lab Sample ID: 55444
 Concentration: wt/vol: 30.0 (g/mL) G Lab File ID: B1746
 Level: (low/med) LOW Date Received: 11/04/96
 Decantation: 0 decanted: (Y/N) N Date Extracted: 11/07/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/14/96
 Dilution Volume: 2.0 (uL) Dilution Factor: 1.0
 Cleanup: (Y/N) Y pH: 8.2

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

S NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	7.70	110	BJ
	Unknown	8.58	710	BJ
	Unknown	9.75	100	J
	Unknown	11.15	350	J
	Unknown siloxane	13.23	82	J
	Unknown	13.33	110	J
	Unknown	15.07	79	J
	Straight-chain alkane	34.56	74	J

46

317

TABLE V-III

SURFACE SOIL SAMPLES Inorganic Compounds (mg/kg)										
Parameter	TAGM 4046	BACKGROUND	MW-2 4	MW-3 5	MW-4 4	MW-5 5	SS-1 Path	SS-2 5	SS-3 Cave	SS-4 Mound
Aluminum	SB	33000	11200	12400	25600	8830	13900	13100	13000	14800
Antimony	SB	N/A	1.7	24.6	15.1	5.9	33.0	46.1	86.4	64.9
Arsenic	7.5 or SB	3-12	4.8	6.2	5.8	6.3	2.4	0.57	5.0	0.58
Barium	300 or SB	15-600	121	129	112	118	313E	35.3	264	51.4
Beryllium	0.16 or SB	0-1.75	0.64	0.24	0.37	0.43	0.24	0.05	0.35	0.06
Cadmium	1 or SB	0.1-1	0.30	0.15	0.27	0.31	0.93	0.57	0.70	0.74
Chromium	10 or SB	1.5-40	37.9	685	436	168	1000N	1640	1300	2260
Cobalt	30 or SB	2.5-60	11.5	8.7	7.4	7.2	5.1	3.4	20.2	5.6
Copper	25 or SB	1-50	23.1	38.1	33.7	36.0	28.1	8.8E	1500	19.0E
Iron		2000-555000	21200	8780	13600	25600	5620	2670	27600	4190
Lead	SB	200-500	27	40.9	41.4	187	26.9	7.5	1768	29.1
Magnesium	SB	100-5000	5400	33700	6800	25900	57900	70900	20700	67300
Manganese	SB	50-5000	726	654	544	744	431	375	1470	456
Mercury	0.1	0.001-0.2	0.07	0.05	0.07	0.80	0.05	0.06N	0.05N	0.06N
Nickel	13 or SB	0.5-25	0.50	0.40	19.7	24.3	24.6	1.6	0.80	12.5
Potassium	SB	8500-43000	1450	44.6	558	792	44.7	43.3E	799E	44.1E
Selenium	2 or SB	0.1-3.9	2.4	1.3	2.1	1.0	1.3	1.2	0.80	1.3
Silver	SB	N/A	0.34	0.31	0.34	0.25	0.31	0.27N	4.2N	0.28N
Sodium	SB	6000-8000	39.5	36.0	39.9	28.8	36.1	34.9	129	35.6
Thallium	SB	N/A	0.95	0.86	0.96	0.69	0.87	0.81	0.64	0.83
Vanadium	150 or SB	1-300	26.2	34.2	30.2	21.3	67.7	38.1	26.9	71.2
Zinc	20 or SB	9-50	96.6	116	197	338	73.1	161	1400	153
Hexavalent Chrome			0.53	0.68	0.77	9.1	NS	24.6	0.03	1.4

← ALL BOLD

ALL BOLD

ALL BOLD

SHOWN BOLD EXCEEDED TAGM EXPECTED BACKGROUND

ALL
TABLE (Cont)

Parameter	TAGM 4046	BACKGROUND	SURFACE SOIL SAMPLES Inorganic Compounds (mg/kg)								GREEN SURFACE WASTE
			SS-5 Hidicut	SS-6	SS-7 Path	SS-8 Path	SS-9	SB-3A	SB-9A	SB-10A	
Aluminum	SB	33000	22500	18000	21300	17200	19200	16600	23200	24000	49600
Antimony	SB	N/A	7.2	37.5	12.9	29.0	12.9	339	5.5	1.4	1.2
Arsenic	7.5 or SB	3-12	12.9	0.59	3.3	0.51	0.67	0.47	8.2	8.2	8.4
Barium	300 or SB	15-600	207	56.6	111	80.8	88.7	163	157	100	1410
Beryllium	0.16 or SB	0-1.75	0.76	0.09	0.62	0.36	0.44	0.05	0.82	0.68	3.5
Cadmium	1 or SB	0.1-1	1.19	0.60	0.28	0.19	0.24	0.38	0.38	0.62	0.51
Chromium	10 or SB	1.5-40	119	1350	499	1040	489	11800	597	42.0	11.4
Cobalt	30 or SB	2.5-60	13.5	4.3	15.3	7.6	8.1	2.3	21.5	13.0	0.83
Copper	25 or SB	1-50	55.8E	10.5E	16.0E	14.0E	14.4E	17.9E	25.6E	39.9	3.7
Iron		2000-555000	25100	3990	22600	12400	14200	51300	31500	24500	1890
Lead	SB	200-500	67.1	8.1	15.1	10.8	11.7	52.2	30.0	23.0	18.0
Magnesium	SB	100-5000	5270	3100	21300	40100	22900	19400	5980	1100	31700
Manganese	SB	50-5000	1220	358	1200	566	612	4240	1190	627	24400E
Mercury	0.1	0.001-0.2	0.30E	0.06N	0.06N	0.05N	0.06N	0.05N	0.06N	0.07	0.05
Nickel	13 or SB	0.5-25	51.0	6.6	15.8	10.5	10.7	5160	20.8	29.9	1.2
Potassium	SB	8500-43000	2950E	45.0E	2270E	1560E	1930E	36.1E	4090E	2580	8240
Selenium	2 or SB	0.1-3.9	4.0	1.3	2.1	1.1	2.3	8.8	2.0	3.3	15.9
Silver	SB	N/A	0.31N	0.28N	0.24N	0.24N	0.25N	0.23N	0.24N	0.30N	7.6N
Sodium	SB	6000-8000	40.6	36.2	30.7	31.1	32.5	29.1	190	298	850
Thallium	SB	N/A	0.94	0.84	0.71	0.72	0.76	0.82	0.73	0.89	18.8
Vanadium	150 or SB	1-300	49.3	42.9	46.9	39.9	38.3	151	51.4	32.1	3.9
Zinc	20 or SB	9-50	162	166.2	91.6	57.1	47.6	32.3	180	119	12.7
Hexavalent Chrome						1.6			0.19	0.15N	0.18N

Bold
ALL Bold
Bold
Bold
Bold
Bold

SHADED - EXCEEDED TAGM
 BOLD - EXCEEDED BACKGROUND

MW-2 Sur Soil ✓

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59250

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): SOIL Lab Sample ID: 54697

Level (low/med): LOW Date Received: 10/23/96

% Solids: 64.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200	-		P
7440-36-0	Antimony	1.7	B		P
7440-38-2	Arsenic	4.8	-		P
7440-39-3	Barium	121	-	E	P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	2.5	-		P
7440-70-2	Calcium	5790	-		P
7440-47-3	Chromium	37.9	-	N*	P
7440-48-4	Cobalt	11.5	B		P
7440-50-8	Copper	23.1	-	E	P
7439-89-6	Iron	21200	-		P
7439-92-1	Lead	27.0	-	*	P
7439-95-4	Magnesium	5400	-		P
7439-96-5	Manganese	726	-	*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	27.4	-		P
7440-09-7	Potassium	1450	B	E	P
7782-49-2	Selenium	2.4	-		P
7440-22-4	Silver	0.34	U	N	P
7440-23-5	Sodium	39.5	U		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	26.2	-	E	P
7440-66-6	Zinc	96.6	-		P
	Cyanide		-		NR

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts:

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59251

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): SOIL Lab Sample ID: 54698

Level (low/med): LOW Date Received: 10/23/96

% Solids: 69.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400	-	-	P
7440-36-0	Antimony	24.6	-	-	P
7440-38-2	Arsenic	6.2	-	-	P
7440-39-3	Barium	129	-	E	P
7440-41-7	Beryllium	0.24	B	-	P
7440-43-9	Cadmium	1.5	-	-	P
7440-70-2	Calcium	177000	-	-	P
7440-47-3	Chromium	685	-	N*	P
7440-48-4	Cobalt	8.7	B	-	P
7440-50-8	Copper	38.1	-	E	P
7439-89-6	Iron	8780	-	-	P
7439-92-1	Lead	40.9	-	*	P
7439-95-4	Magnesium	33700	-	-	P
7439-96-5	Manganese	654	-	*	P
7439-97-6	Mercury	0.05	U	-	CV
7440-02-0	Nickel	46.7	-	-	P
7440-09-7	Potassium	44.6	U	E	P
7782-49-2	Selenium	1.3	U	-	P
7440-22-4	Silver	0.31	U	N	P
7440-23-5	Sodium	36.0	U	-	P
7440-28-0	Thallium	0.86	U	-	P
7440-62-2	Vanadium	34.2	-	E	P
7440-66-6	Zinc	116	-	-	P
	Cyanide		-	-	NR

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts:

Comments:

NYSDEC ASP

MW-4 Surf Soil ✓

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59252

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): SOIL Lab Sample ID: 54699

Level (low/med): LOW Date Received: 10/23/96

% Solids: 62.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	25600	-		P
7440-36-0	Antimony	15.1	B		P
7440-38-2	Arsenic	5.8	-		P
7440-39-3	Barium	112	-	E	P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	2.7	-		P
7440-70-2	Calcium	111000	-		P
7440-47-3	Chromium	436	-	N*	P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	33.7	-	E	P
7439-89-6	Iron	13600	-		P
7439-92-1	Lead	41.4	-	*	P
7439-95-4	Magnesium	36900	-		P
7439-96-5	Manganese	544	-	*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	19.7	-		P
7440-09-7	Potassium	558	B	E	P
7782-49-2	Selenium	2.1	-		P
7440-22-4	Silver	0.34	U	N	P
7440-23-5	Sodium	39.9	U		P
7440-28-0	Thallium	0.96	U		P
7440-62-2	Vanadium	30.2	-	E	P
7440-66-6	Zinc	197	-		P
	Cyanide		-		NR

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

A59253

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): SOIL Lab Sample ID: 54700

Level (low/med): LOW Date Received: 10/23/96

% Solids: 84.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8830			P
7440-36-0	Antimony	5.9	B		P
7440-38-2	Arsenic	6.3			P
7440-39-3	Barium	118		E	P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	3.1			P
7440-70-2	Calcium	71700			P
7440-47-3	Chromium	168		N*	P
7440-48-4	Cobalt	7.2	B		P
7440-50-8	Copper	36.0		E	P
7439-89-6	Iron	25600			P
7439-92-1	Lead	187		*	P
7439-95-4	Magnesium	35900			P
7439-96-5	Manganese	744		*	P
7439-97-6	Mercury	0.57			CV
7440-02-0	Nickel	24.3			P
7440-09-7	Potassium	792	B	E	P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	0.25	U	N	P
7440-23-5	Sodium	28.8	U		P
7440-28-0	Thallium	0.69	U		P
7440-62-2	Vanadium	21.3		E	P
7440-66-6	Zinc	338			P
	Cyanide				NR

Color Before: Clarity Before: Texture: G, YC

Color After: Y Clarity After: C Artifacts:

Comments:

~~1151~~

1160

MFW 11-6

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59260

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): SOIL Lab Sample ID: 54702

Level (low/med): LOW Date Received: 10/23/96

% Solids: 68.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13900			P
7440-36-0	Antimony	33.0			P
7440-38-2	Arsenic	2.4	B		P
7440-39-3	Barium	313		E	P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.93	B		P
7440-70-2	Calcium	171000			P
7440-47-3	Chromium	1000		N*	P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	28.1		E	P
7439-89-6	Iron	5620			P
7439-92-1	Lead	26.9		*	P
7439-95-4	Magnesium	57900			P
7439-96-5	Manganese	431		*	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	24.6			P
7440-09-7	Potassium	44.7	U	E	P
7782-49-2	Selenium	1.3	B		P
7440-22-4	Silver	0.31	U	N	P
7440-23-5	Sodium	36.1	U		P
7440-28-0	Thallium	0.87	U		P
7440-62-2	Vanadium	67.7		E	P
7440-66-6	Zinc	73.1			P
	Cyanide				NR

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts:

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59268

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: C003181__

Lab Code: EANDE__ Case No.: SH996__ SAS No.: _____ SDG No.: 1104__

Matrix (soil/water): SOIL__ Lab Sample ID: 55569

Level (low/med): LOW__ Date Received: 11/06/96

% 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	13100	-	-	P
7440-36-0	Antimony	46.1	-	-	P
7440-38-2	Arsenic	0.57	U	-	P
7440-39-3	Barium	35.3	B	-	P
7440-41-7	Beryllium	0.05	U	-	P
7440-43-9	Cadmium	0.57	U	-	P
7440-70-2	Calcium	159000	-	-	P
7440-47-3	Chromium	1640	-	-	P
7440-48-4	Cobalt	3.4	B	-	P
7440-50-8	Copper	8.8	-	E	P
7439-89-6	Iron	2670	-	-	P
7439-92-1	Lead	7.5	-	-	P
7439-95-4	Magnesium	70900	-	-	P
7439-96-5	Manganese	375	-	*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	1.6	B	-	P
7440-09-7	Potassium	43.3	U	E	P
7782-49-2	Selenium	1.2	U	-	P
7440-22-4	Silver	0.27	U	N	P
7440-23-5	Sodium	34.9	U	-	P
7440-28-0	Thallium	0.81	U	-	P
7440-62-2	Vanadium	38.1	-	-	P
7440-66-6	Zinc	76.7	-	-	P

Color Before: _____ Clarity Before: _____ Texture: G_____

Color After: CL_____ Clarity After: C_____ Artifacts: YES

Comments:

SS-3 ✓

CAVE

1
INORGANIC ANALYSES DATA SHEET

A59201

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55560

Level (low/med): LOW Date Received: 11/06/96

% Solids: 91.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	113000			P
7440-36-0	Antimony	86.4			P
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	264			P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	141			P
7440-70-2	Calcium	39200			P
7440-47-3	Chromium	1300			P
7440-48-4	Cobalt	20.2			P
7440-50-8	Copper	5420		E	P
7439-89-6	Iron	27600			P
7439-92-1	Lead	1760			P
7439-95-4	Magnesium	20700			P
7439-96-5	Manganese	1470		*	P
7439-97-6	Mercury	0.05	U	N	CV
7440-02-0	Nickel	454			P
7440-09-7	Potassium	799	B	E	P
7782-49-2	Selenium	5.8			P
7440-22-4	Silver	4.2		N	P
7440-23-5	Sodium	129	B		P
7440-28-0	Thallium	0.64	U		P
7440-62-2	Vanadium	26.9			P
7440-66-6	Zinc	1400			P

Color Before: Clarity Before: Texture: F

Color After: Y Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59204

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55561

Level (low/med): LOW Date Received: 11/06/96

% Solids: 72.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14800			P
7440-36-0	Antimony	64.9			P
7440-38-2	Arsenic	0.58	U		P
7440-39-3	Barium	51.4	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.74	B		P
7440-70-2	Calcium	189000			P
7440-47-3	Chromium	2260			P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Copper	19.0		E	P
7439-89-6	Iron	4190			P
7439-92-1	Lead	29.1			P
7439-95-4	Magnesium	67300			P
7439-96-5	Manganese	456		*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	12.5			P
7440-09-7	Potassium	44.1	U	E	P
7782-49-2	Selenium	1.3	B		P
7440-22-4	Silver	0.28	U	N	P
7440-23-5	Sodium	35.6	U		P
7440-28-0	Thallium	0.83	U		P
7440-62-2	Vanadium	71.2			P
7440-66-6	Zinc	77.5			P

Color Before: Clarity Before: Texture: F

Color After: CL Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59207

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104
 Matrix (soil/water): SOIL Lab Sample ID: 55562
 Level (low/med): LOW Date Received: 11/06/96
 % Solids: 63.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22500	-		P
7440-36-0	Antimony	7.2	U		P
7440-38-2	Arsenic	12.6	-		P
7440-39-3	Barium	207	-		P
7440-41-7	Beryllium	0.76	B		P
7440-43-9	Cadmium	4.0	-		P
7440-70-2	Calcium	8960	-		P
7440-47-3	Chromium	119	-		P
7440-48-4	Cobalt	13.5	B		P
7440-50-8	Copper	55.8	-	E	P
7439-89-6	Iron	25100	-		P
7439-92-1	Lead	67.1	-		P
7439-95-4	Magnesium	5270	-		P
7439-96-5	Manganese	1220	-	*	P
7439-97-6	Mercury	0.30	-	N	CV
7440-02-0	Nickel	51.0	-		P
7440-09-7	Potassium	2950	-	E	P
7782-49-2	Selenium	4.0	-		P
7440-22-4	Silver	0.31	U	N	P
7440-23-5	Sodium	40.6	U		P
7440-28-0	Thallium	0.94	U		P
7440-62-2	Vanadium	49.3	-		P
7440-66-6	Zinc	162	-		P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

A59213

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55564

Level (low/med): LOW Date Received: 11/06/96

% Solids: 69.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18000	-	-	P
7440-36-0	Antimony	37.5	-	-	P
7440-38-2	Arsenic	0.59	U	-	P
7440-39-3	Barium	56.6	-	-	P
7440-41-7	Beryllium	0.09	B	-	P
7440-43-9	Cadmium	0.60	B	-	P
7440-70-2	Calcium	175000	-	-	P
7440-47-3	Chromium	1330	-	-	P
7440-48-4	Cobalt	4.3	B	-	P
7440-50-8	Copper	10.5	-	E	P
7439-89-6	Iron	3990	-	-	P
7439-92-1	Lead	8.1	-	-	P
7439-95-4	Magnesium	73100	-	-	P
7439-96-5	Manganese	358	-	*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	6.6	B	-	P
7440-09-7	Potassium	45.0	U	E	P
7782-49-2	Selenium	1.3	U	-	P
7440-22-4	Silver	0.28	U	N	P
7440-23-5	Sodium	36.2	U	-	P
7440-28-0	Thallium	0.84	U	-	P
7440-62-2	Vanadium	42.9	-	-	P
7440-66-6	Zinc	66.2	-	-	P

Color Before: Clarity Before: Texture: F

Color After: CL Clarity After: C Artifacts: YES

Comments:

SS-7
Bike Path ✓

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59216

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55565

Level (low/med): LOW Date Received: 11/06/96

% Solids: 80.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21300			P
7440-36-0	Antimony	12.9	B		P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	111			P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium	63300			P
7440-47-3	Chromium	459			P
7440-48-4	Cobalt	15.3			P
7440-50-8	Copper	16.0		E	P
7439-89-6	Iron	22600			P
7439-92-1	Lead	15.1			P
7439-95-4	Magnesium	21300			P
7439-96-5	Manganese	1200		*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	15.8			P
7440-09-7	Potassium	2270		E	P
7782-49-2	Selenium	2.1			P
7440-22-4	Silver	0.24	U	N	P
7440-23-5	Sodium	30.7	U		P
7440-28-0	Thallium	0.71	U		P
7440-62-2	Vanadium	46.9			P
7440-66-6	Zinc	91.6			P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59219

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55566

Level (low/med): LOW Date Received: 11/06/96

% Solids: 79.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17200	-		P
7440-36-0	Antimony	29.0	-		P
7440-38-2	Arsenic	0.51	U		P
7440-39-3	Barium	80.8	-		P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	1.9	-		P
7440-70-2	Calcium	139000	-		P
7440-47-3	Chromium	1040	-		P
7440-48-4	Cobalt	7.6	B		P
7440-50-8	Copper	14.0	-	E	P
7439-89-6	Iron	12400	-		P
7439-92-1	Lead	10.8	-		P
7439-95-4	Magnesium	40100	-		P
7439-96-5	Manganese	566	-	*	P
7439-97-6	Mercury	0.05	U	N	CV
7440-02-0	Nickel	10.5	-		P
7440-09-7	Potassium	1560	-	E	P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.24	U	N	P
7440-23-5	Sodium	31.1	U		P
7440-28-0	Thallium	0.72	U		P
7440-62-2	Vanadium	39.9	-		P
7440-66-6	Zinc	57.1	-		P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59222

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55567

Level (low/med): LOW Date Received: 11/06/96

% 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	19200	-		P
7440-36-0	Antimony	12.9	B		P
7440-38-2	Arsenic	0.67	B		P
7440-39-3	Barium	88.7			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	151000			P
7440-47-3	Chromium	489			P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	14.4		E	P
7439-89-6	Iron	14200			P
7439-92-1	Lead	11.7			P
7439-95-4	Magnesium	32900			P
7439-96-5	Manganese	612		*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	10.7			P
7440-09-7	Potassium	1930		E	P
7782-49-2	Selenium	2.3			P
7440-22-4	Silver	0.25	U	N	P
7440-23-5	Sodium	32.5	U		P
7440-28-0	Thallium	0.76	U		P
7440-62-2	Vanadium	38.3			P
7440-66-6	Zinc	77.9			P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

SB-3A

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59210

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55563

Level (low/med): LOW Date Received: 11/06/96

% Solids: 86.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16600			P
7440-36-0	Antimony	339			P
7440-38-2	Arsenic	0.47	U		P
7440-39-3	Barium	163			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	205000			P
7440-47-3	Chromium	11800			P
7440-48-4	Cobalt	72.3			P
7440-50-8	Copper	175		E	P
7439-89-6	Iron	51300			P
7439-92-1	Lead	52.2			P
7439-95-4	Magnesium	19400			P
7439-96-5	Manganese	4240		*	P
7439-97-6	Mercury	0.05	U	N	CV
7440-02-0	Nickel	5160			P
7440-09-7	Potassium	36.1	U	E	P
7782-49-2	Selenium	8.8			P
7440-22-4	Silver	0.23	U	N	P
7440-23-5	Sodium	29.1	U		P
7440-28-0	Thallium	0.82	B		P
7440-62-2	Vanadium	151			P
7440-66-6	Zinc	323			P

Color Before: Clarity Before: Texture: F

Color After: G Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59225

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55568

Level (low/med): LOW Date Received: 11/06/96

% Solids: 78.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23200			P
7440-36-0	Antimony	5.5	U		P
7440-38-2	Arsenic	8.2			P
7440-39-3	Barium	157			P
7440-41-7	Beryllium	0.82	B		P
7440-43-9	Cadmium	3.8			P
7440-70-2	Calcium	3860			P
7440-47-3	Chromium	59.7			P
7440-48-4	Cobalt	21.5			P
7440-50-8	Copper	25.6		E	P
7439-89-6	Iron	31500			P
7439-92-1	Lead	30.0			P
7439-95-4	Magnesium	5980			P
7439-96-5	Manganese	1190		*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	30.5			P
7440-09-7	Potassium	4090		E	P
7782-49-2	Selenium	2.0			P
7440-22-4	Silver	0.24	U	N	P
7440-23-5	Sodium	190	B		P
7440-28-0	Thallium	0.73	U		P
7440-62-2	Vanadium	51.4			P
7440-66-6	Zinc	150			P

Color Before: Clarity Before: Texture: F

Color After: Y Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59228

Lab Name: ECOLOGY AND ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55660

Level (low/med): LOW Date Received: 11/07/96

% Solids: 65.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	34000	-	-	P
7440-36-0	Antimony	1.4	U	-	P
7440-38-2	Arsenic	21.9	-	*	P
7440-39-3	Barium	100	-	*	P
7440-41-7	Beryllium	0.68	B	-	P
7440-43-9	Cadmium	0.62	U	-	P
7440-70-2	Calcium	26600	-	-	P
7440-47-3	Chromium	42.0	-	-	P
7440-48-4	Cobalt	13.0	B	-	P
7440-50-8	Copper	39.9	-	-	P
7439-89-6	Iron	24500	-	-	P
7439-92-1	Lead	23.0	-	*	P
7439-95-4	Magnesium	11100	-	-	P
7439-96-5	Manganese	627	-	E*	P
7439-97-6	Mercury	0.07	U	-	CV
7440-02-0	Nickel	29.9	-	-	P
7440-09-7	Potassium	2580	-	-	P
7782-49-2	Selenium	3.3	-	-	P
7440-22-4	Silver	0.30	U	N	P
7440-23-5	Sodium	298	B	-	P
7440-28-0	Thallium	0.89	U	-	P
7440-62-2	Vanadium	32.1	-	-	P
7440-66-6	Zinc	119	-	-	P

Color Before: Clarity Before: Texture: CY/G

Color After: Y Clarity After: C Artifacts: YES

Comments:

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59203

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104

Matrix (soil/water): SOIL Lab Sample ID: 55444

Level (low/med): LOW Date Received: 11/04/96

% Solids: 81.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	49600	-		P
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	8.4		*	P
7440-39-3	Barium	1410		*	P
7440-41-7	Beryllium	3.5			P
7440-43-9	Cadmium	0.51	U		P
7440-70-2	Calcium	66700			P
7440-47-3	Chromium	11.4			P
7440-48-4	Cobalt	0.83	U		P
7440-50-8	Copper	3.7	B		P
7439-89-6	Iron	1890			P
7439-92-1	Lead	18.0		*	P
7439-95-4	Magnesium	31700			P
7439-96-5	Manganese	24400		E*	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	1.2	U		P
7440-09-7	Potassium	8240			P
7782-49-2	Selenium	15.9			P
7440-22-4	Silver	7.6		N	P
7440-23-5	Sodium	850	B		P
7440-28-0	Thallium	18.8			P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	12.7			P

Color Before: Clarity Before: Texture:

Color After: CL Clarity After: C Artifacts: YES

Comments:

SURFACE WATER & SED.
(POND) SAMPLE

2

TABLE VI-1

Table

SURFACE WATER (POND) SAMPLE Volatile Organic Compounds (ug/l)		
Parameter	SW STD.	POND SB-2
Acetone		12

Table

SURFACE WATER (POND) SAMPLE Semivolatile Organic Compounds (ug/l)		
Parameter	SW STD.	POND SB-2

Note: Detected Compounds Only

Table

SURFACE WATER (POND) SAMPLE Inorganic Compounds (ug/l)		
Parameter	SURFACE WATER STD.	POND @SB-2
Aluminum	100	302E
Antimony		35.7
Arsenic	360	4.6
Barium		39.8
Beryllium		0.47
Cadmium		2.1
Chromium		878
Cobalt		3.4
Copper		9.9
Iron	300	132
Lead		2.4
Magnesium		1470
Manganese		20.2
Mercury		0.1
Nickel		4.8
Potassium		6660
Selenium		5.9
Silver		1.1N
Sodium		38100E
Thallium	20	3.1
Vanadium	190	26.0
Zinc		8.1
Hexavalent Chrome	16	752

Note: Shaded areas indicated exceedence of surface water standards

E - ESTIMATED ABOVE
RE QUALIFICATION LIMIT

TABLE VI-2

SURFACE WATER (POND) SAMPLE Volatile Organic Compounds (ug/l)		
Parameter	SW STD.	POND SB-2
Methylene Chloride		
Acetone		12

SURFACE WATER (POND) SAMPLE Semivolatile Organic Compounds (ug/l)		
Parameter	SW STD.	POND SB-2
Acenaphthene		
Diethylphthalate		
Flourene		
Pentachlorophenol		
Phenanthrene		
Anthracene		
Carbazole		
Flouranthene		
Pyrene		
Benzo (a) Anthracene		
Chrysene		
bis (2-ethylhexyl) Phthalate		
Benzo (b) Flouranthene		
Benzo (k) Flouranthene		
Benzo (a) Pyrene		
Indeno (1,2,3-cd) Pyrene		
Dibenz (a,h) Anthracene		
Benzo (g,h,i) Perylene		

OK

TABLE VI-3

SURFACE WATER (POND) SAMPLE Inorganic Compounds (ug/l)			
Parameter	SURFACE WATER STD.		POND @SB-2
Aluminum	100		302E
Antimony			35.7
Arsenic	360		4.6
Barium			39.8
Beryllium			0.47
Cadmium			2.1
Chromium			878
Cobalt			3.4
Copper			9.9
Iron	300		132
Lead			2.4
Magnesium			1470
Manganese			20.2
Mercury			0.1
Nickel			4.8
Potassium			6660
Selenium			5.9
Silver			1.1N
Sodium			38100E
Thallium	20		3.1
Vanadium	190		26.0
Zinc			8.1
Hexavalent Chrome	16		752

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

A59263

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) WATER

Lab Sample ID: 55139

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

Lab File ID: D1458

Level: (low/med) LOW

Date Received: 10/30/96

% Moisture: not dec.

Date Analyzed: 11/01/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59263

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) WATER

Lab Sample ID: 55139

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

Lab File ID: D1458

Level: (low/med) LOW

Date Received: 10/30/96

% Moisture: not dec.

Date Analyzed: 11/01/96

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59263

Lab Name: E & E INC.	Contract: C003181	
Lab Code: EANDE	Case No.: SH996	SAS No.: SDG No.: 1023
Matrix: (soil/water) WATER		Lab Sample ID: 55139
Sample wt/vol: 1000 (g/mL) ML		Lab File ID: B1637
Level: (low/med) LOW		Date Received: 10/30/96
% Moisture: decanted: (Y/N)		Date Extracted: 11/01/96
Concentrated Extract Volume: 1000 (uL)		Date Analyzed: 11/04/96
Injection Volume: 2.0 (uL)		Dilution Factor: 1.0
GPC Cleanup: (Y/N) N	pH: 9.1	

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

CAS NO.	COMPOUND	UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59263

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) WATER

Lab Sample ID: 55139

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

Lab File ID: B1637

Level: (low/med) LOW

Date Received: 10/30/96

% Moisture: decanted: (Y/N)

Date Extracted: 11/01/96

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/04/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 9.1

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Cyclohexenol isomer	7.45	3	BJ
2.	Trichloropropene isomer	8.90	4	BJ
3.	Unknown	13.62	5	BJ
4.	Unknown	15.08	2	J
5.	Unknown	31.86	6	BJ
6.	Unknown	32.45	10	BJ
7.	Unknown	34.54	4	BJ
8.	Unknown	36.43	6	BJ
9.	Unknown	42.16	7	J

NYSDEC ASP

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59263

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): WATER Lab Sample ID: 55139

Level (low/med): LOW Date Received: 10/30/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	302	-	E	P
7440-36-0	Antimony	35.7	B		P
7440-38-2	Arsenic	4.6	U		P
7440-39-3	Barium	39.8	B		P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	2.1	U		P
7440-70-2	Calcium	28300	-		P
7440-47-3	Chromium	878	-		P
7440-48-4	Cobalt	3.4	U		P
7440-50-8	Copper	9.9	B		P
7439-89-6	Iron	132	-		P
7439-92-1	Lead	2.4	U		P
7439-95-4	Magnesium	1470	B		P
7439-96-5	Manganese	20.2	-		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.8	U		P
7440-09-7	Potassium	6660	-		P
7782-49-2	Selenium	5.9	-		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	38100	-	E	P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	26.0	B		P
7440-66-6	Zinc	8.1	B		P
	Cyanide		-		NR

Color Before: CL Clarity Before: C Texture:
Color After: CL Clarity After: C Artifacts:

Comments:

TABLE VI-2

SEDIMENT (POND) SAMPLE Volatile Organic Compounds (ug/kg)			
Parameter	TAGM 4046	SEDIMENT CRITERIA	POND SB-2

SEDIMENT (POND) SAMPLE Semivolatile Organic Compounds (ug/kg)					
Parameter	TAGM 4046	SEDIMENT CRITERIA			POND SB-2
		Benthic Chronic	Benthic Acute	Human Health	
Acenaphthene	50000	140000			50J
Phenanthrene	50000	120000			320J
Anthracene	50000				57J
Flouranthene	50000	1020000			690
Pyrene	50000				580
Benzo (a) Anthracene	224				410J
Chrysene	400				460J
bis (2-ethylhexyl) Phthalate	50000	199500			150J
Benzo (b) Flouranthene	1100				600
Benzo (k) Flouranthene	1100				320J
Benzo (a) Pyrene	61			1300	510
Indeno (1,2,3-cd) Pyrene	3200				370J
Dibenz (a,h) Anthracene	14				140J
Benzo (g,h,i) Perylene	50000				410J

Note: Detected Compounds Only

J - ESTIMATED

Shades Exceeds TAGM Value

TABLE VI-3

SEDIMENT (POND) SAMPLE Inorganic Compounds (mg/kg)				
Parameter	TAGM 4046	F&W SEDIMENT CRITERIA		POND @SB-2
		Lowest Effect	Severe Effect	
Aluminum	SB			13300
Antimony	SB	2.0	25.0	56.5
Arsenic	7.5 or SB	6.0	33.0	1.3
Barium	300 or SB			421E
Beryllium	0.16 or SB			0.09
Cadmium	1 or SB	0.6	9.0	2.1
Chromium	10 or SB	26.0	110.0	2380N
Cobalt	30 or SB			10.3
Copper	25 or SB	16.0	110.0	39.4E
Iron				7190
Lead	SB	31.0	110.0	23.6
Magnesium	SB			46100
Manganese	SB	460.0	1100.0	1970
Mercury	0.1	0.15	1.3	0.07
Nickel	13 or SB	16.0	50.0	216
Potassium	SB			45.6E
Selenium	2 or SB			2.2
Silver	SB	1.0	2.2	0.31N
Sodium	SB			36.8
Thallium	SB			0.88
Vanadium	150 or SB			53.6E
Zinc	20 or SB	120.0	270.0	58.9
Hexavalent Chrome				0.45E

E - estimated above quantification limit

N - TAGM

Shaded areas indicate exceedence of guidance criteria

Bold - EXGENS F&W Lowest effect

Bold

Not OK

Bold

Bold

Bold

Bold

OK

SEDIMENT (POND) SAMPLE Volatile Organic Compounds (ug/L)			
Parameter	TAGM 4046	SEDIMENT CRITERIA	POND SB-2
Methylene Chloride	100		
Acetone	200		

SEDIMENT (POND) SAMPLE Semivolatile Organic Compounds (ug/L)			
Parameter	TAGM 4046	SEDIMENT CRITERIA	POND SB-2
Acenaphthene	50000		50J
Diethylphthalate	7100		
Flourene	50000		
Pentachlorophenol	1000		
Phenanthrene	50000		320J
Anthracene	50000		57J
Carbazole			
Flouranthene	50000		690
Pyrene	50000		580
Benzo (a) Anthracene	224		410J
Chrysene	400		460J
bis (2-ethylhexyl) Phthalate	50000		150J
Benzo (b) Flouranthene	1100		600
Benzo (k) Flouranthene	1100		320J
Benzo (a) Pyrene	61		510
Indeno (1,2,3-cd) Pyrene	3200		370J
Dibenz (a,h) Anthracene	14		140J
Benzo (g,h,i) Perylene	50000		410J

OK

SEDIMENT (POND) SAMPLE Inorganic Compounds (mg/kg)				
Parameter	TAGM 4046	SEDIMENT CRITERIA		POND @SB-2
		Lowest Effect	Severe Effect	
Aluminum	SB			13300
Antimony	SB	2.0	25.0	56.5
Arsenic	7.5 or SB	6.0	33.0	1.3
Barium	300 or SB			421E
Beryllium	0.16 or SB			0.09
Cadmium	1 or SB	0.6	9.0	2.1
Chromium	10 or SB	26.0	110.0	2380N
Cobalt	30 or SB			10.3
Copper	25 or SB	16.0	110.0	39.4E
Iron				7190
Lead	SB	31.0	110.0	23.6
Magnesium	SB			46100
Manganese	SB	460.0	1100.0	1970
Mercury	0.1	0.15	1.3	0.07
Nickel	13 or SB	16.0	50.0	216
Potassium	SB			45.6E
Selenium	2 or SB			2.2
Silver	SB	1.0	2.2	0.31N
Sodium	SB			36.8
Thallium	SB			0.88
Vanadium	150 or SB			53.6E
Zinc	20 or SB	120.0	270.0	58.9
Hexavalent Chrome				0.45E

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

A59264

Lab Name: E & E INC.	Contract: C003181	
Lab Code: EANDE	Case No.: SH996	SAS No.:
		SDG No.: 1023
Matrix: (soil/water) SOIL		Lab Sample ID: 55141
Sample wt/vol: 5.0 (g/mL) G		Lab File ID: F6723
Level: (low/med) LOW		Date Received: 10/30/96
% Moisture: not dec. 30		Date Analyzed: 11/05/96
GC Column: DB-624	ID: 0.530 (mm)	Dilution Factor: 1.0
Soil Extract Volume: (uL)		Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
74-87-3	-----Chloromethane	14	U
74-83-9	-----Bromomethane	14	U
75-01-4	-----Vinyl Chloride	14	U
75-00-3	-----Chloroethane	14	U
75-09-2	-----Methylene Chloride	14	U
67-64-1	-----Acetone	14	U
75-15-0	-----Carbon Disulfide	14	U
75-35-4	-----1,1-Dichloroethene	14	U
75-34-3	-----1,1-Dichloroethane	14	U
540-59-0	-----1,2-Dichloroethene (total)	14	U
67-66-3	-----Chloroform	14	U
107-06-2	-----1,2-Dichloroethane	14	U
78-93-3	-----2-Butanone	14	U
71-55-6	-----1,1,1-Trichloroethane	14	U
56-23-5	-----Carbon Tetrachloride	14	U
75-27-4	-----Bromodichloromethane	14	U
78-87-5	-----1,2-Dichloropropane	14	U
10061-01-5	-----cis-1,3-Dichloropropene	14	U
79-01-6	-----Trichloroethene	14	U
124-48-1	-----Dibromochloromethane	14	U
79-00-5	-----1,1,2-Trichloroethane	14	U
71-43-2	-----Benzene	14	U
10061-02-6	-----trans-1,3-Dichloropropene	14	U
75-25-2	-----Bromoform	14	U
108-10-1	-----4-Methyl-2-Pentanone	14	U
591-78-6	-----2-Hexanone	14	U
127-18-4	-----Tetrachloroethene	14	U
79-34-5	-----1,1,2,2-Tetrachloroethane	14	U
108-88-3	-----Toluene	14	U
108-90-7	-----Chlorobenzene	14	U
100-41-4	-----Ethylbenzene	14	U
100-42-5	-----Styrene	14	U
1330-20-7	-----Xylene (total)	14	U

Sediment @ SB-2
(Sur. Soil)

DEC SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59264

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 55141
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1721
 Level: (low/med) LOW Date Received: 10/30/96
 % Moisture: 30 decanted: (Y/N) N Date Extracted: 11/01/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/12/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.7

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	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	50	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59264

Lab Name: E & E INC. Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix: (soil/water) SOIL Lab Sample ID: 55141

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1721

Level: (low/med) LOW Date Received: 10/30/96

% Moisture: 30 decanted: (Y/N) N Date Extracted: 11/01/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/12/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.7

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_____	470	U
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_____	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_____	320	J
120-12-7-----	Anthracene_____	57	J
86-74-8-----	Carbazole_____	470	U
84-74-2-----	Di-n-Butylphthalate_____	470	U
206-44-0-----	Fluoranthene_____	690	U
129-00-0-----	Pyrene_____	580	U
85-68-7-----	Butylbenzylphthalate_____	470	U
91-94-1-----	3,3'-Dichlorobenzidine_____	470	U
56-55-3-----	Benzo (a) Anthracene_____	410	J
218-01-9-----	Chrysene_____	460	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate_____	150	J
117-84-0-----	Di-n-Octyl Phthalate_____	470	U
205-99-2-----	Benzo (b) Fluoranthene_____	600	U
207-08-9-----	Benzo (k) Fluoranthene_____	320	J
50-32-8-----	Benzo (a) Pyrene_____	510	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene_____	370	J
53-70-3-----	Dibenz (a,h) Anthracene_____	140	J
191-24-2-----	Benzo (g,h,i) Perylene_____	410	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59264

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 55141
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1721
 Level: (low/med) LOW Date Received: 10/30/96
 % Moisture: 30 decanted: (Y/N) N Date Extracted: 11/01/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/12/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.7

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	7.83	110	J
2.	Unknown	8.68	240	BJ
3.	Unknown	9.18	120	J
4.	Unknown	9.89	350	J
5.	Unknown	11.33	790	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59264RE

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1023

Matrix: (soil/water) SOIL

Lab Sample ID: 55141RE

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

Lab File ID: B1820

Level: (low/med) LOW

Date Received: 10/29/96

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

Date Extracted: 11/15/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/20/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.7

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	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

12/91

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59264RE

Lab Name: E & E INC. Contract: C003181
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023
 Matrix: (soil/water) SOIL Lab Sample ID: 55141RE
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1820
 Level: (low/med) LOW Date Received: 10/29/96
 % Moisture: 30 decanted: (Y/N) N Date Extracted: 11/15/96
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/20/96
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 10.7

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

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	6.79	2300	JB
2. 79-34-5	Ethane, 1,1,2,2-tetrachloro-	7.34	320	BJN
3.	Unknown	7.82	680	J
4.	Unknown	8.37	1700	JB
5.	Unknown	8.60	120	J
6.	Unknown	8.83	140	JB
7.	Unknown	9.54	1700	JB
8.	Unknown	9.98	130	J
9.	2-Fluorophenol acetate	10.80	98	J
10.	Unknown	10.88	670	J
11.	2,4,6-tribromophenyl acetate	23.27	120	J
12.	Straight-chain alkane	25.28	120	J
13.	Unknown PAH	25.77	100	J
14.	Unknown PAH	26.03	300	J
15.	Straight-chain alkane	27.82	630	J

SED. @ SB-2
(surface Soil)

1
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59264

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: C003181

Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023

Matrix (soil/water): SOIL Lab Sample ID: 55141

Level (low/med): LOW Date Received: 10/30/96

% Solids: 70.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300	-		P
7440-36-0	Antimony	56.5	-		P
7440-38-2	Arsenic	1.3	U		P
7440-39-3	Barium	421	-	E	P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	2.1	-		P
7440-70-2	Calcium	245000	-		P
7440-47-3	Chromium	2380	-	N*	P
7440-48-4	Cobalt	10.3	B		P
7440-50-8	Copper	39.4	-	E	P
7439-89-6	Iron	7190	-		P
7439-92-1	Lead	23.6	-	*	P
7439-95-4	Magnesium	46100	-		P
7439-96-5	Manganese	1970	-	*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	216	-		P
7440-09-7	Potassium	45.6	U	E	P
7782-49-2	Selenium	2.2	-		P
7440-22-4	Silver	0.31	U	N	P
7440-23-5	Sodium	36.8	U		P
7440-28-0	Thallium	0.88	U		P
7440-62-2	Vanadium	53.6	-	E	P
7440-66-6	Zinc	58.9	-		P
	Cyanide		-		NR

Color Before: Clarity Before: Texture: CY,G

Color After: Y Clarity After: C Artifacts:

Comments:
