

VANADIUM CORP. OF AMERICA  
SITE #932001  
IIWA SAMPLING DATA  
WASTE  
VOLUME II OF IV

NIAGARA MOHAWK (PROPERTY)			
WELL ELEVATION TABLE (NGVD 1929)			
WELL	GROUND	CASING	RISER
MW 2A	608.32	608.39	608.32
MW 2B	608.30	608.17	607.98
MW 3A	604.06	608.09	608.98
MW 3B	604.01	608.43	608.16
MW 4A	608.11	611.12	611.05
MW 4B	608.78	610.88	610.80
MW 5A	612.37	614.56	614.42
MW 5B	612.42	614.76	614.53

SKW ALLOYS - AIRCO INC. (PROPERTY)			
WELL ELEVATION TABLE (NGVD 1929)			
WELL	GROUND	CASING	RISER
MW 1	604.00	607.94	607.87
MW 1A	602.80	608.47	608.37
MW 4	613.50	615.58	615.42
MW 4A	613.10	615.52	615.37
MW 14N	600.40	602.98	602.14
MW 5A	600.20	602.93	602.75
MW 5	599.90	602.34	602.20
MW 12A	595.90	598.82	598.57
MW 12	595.90	598.54	598.28

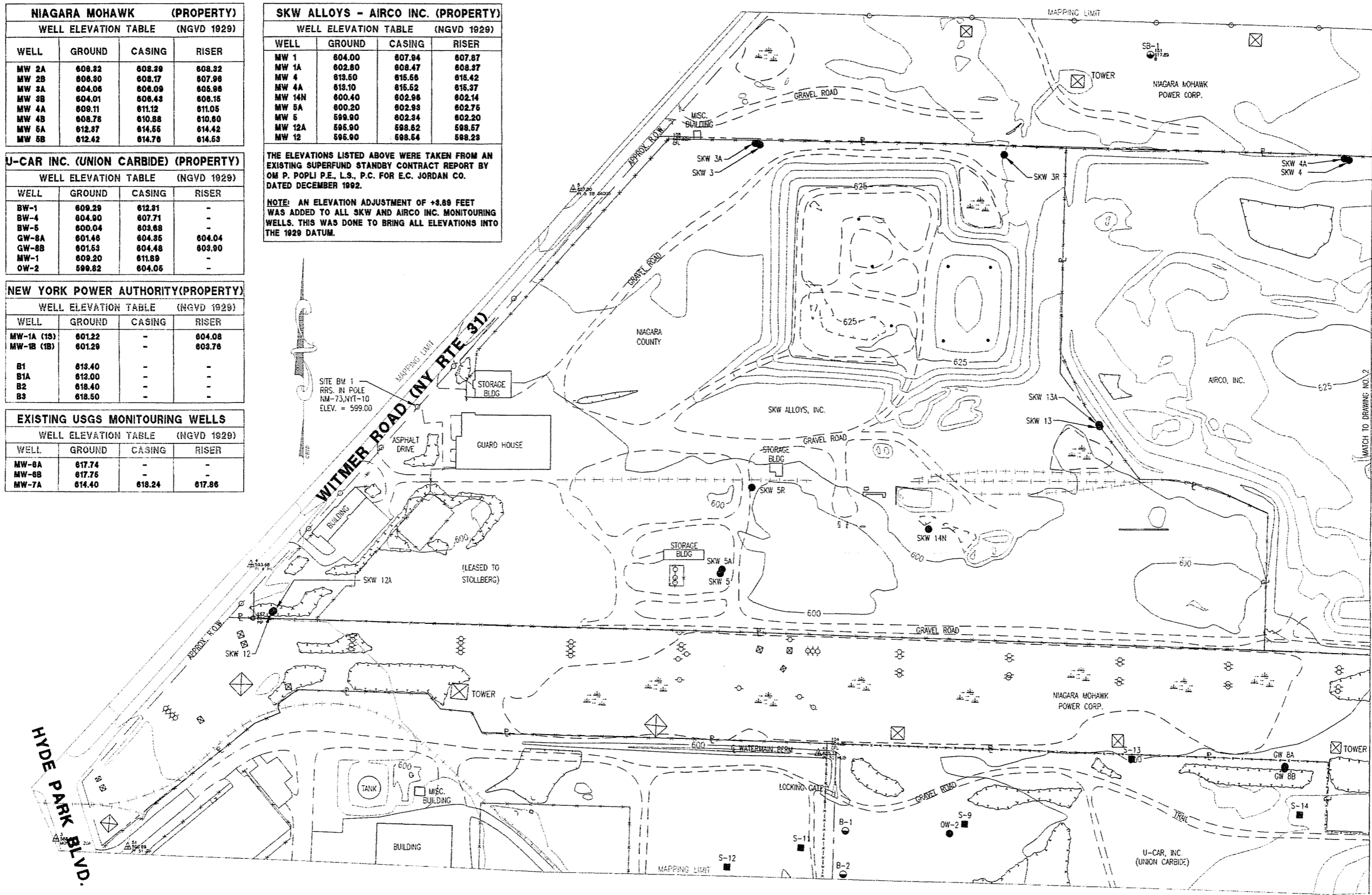
U-CAR INC. (UNION CARBIDE) (PROPERTY)			
WELL ELEVATION TABLE (NGVD 1929)			
WELL	GROUND	CASING	RISER
BW-1	609.29	612.31	-
BW-4	604.90	607.71	-
BW-5	600.04	603.88	-
GW-8A	601.48	604.35	604.04
GW-8B	601.53	604.48	603.90
MW-1	609.20	611.89	-
OW-2	599.82	604.05	-

THE ELEVATIONS LISTED ABOVE WERE TAKEN FROM AN EXISTING SUPERFUND STANDBY CONTRACT REPORT BY OM P. POPLI P.E., L.S., P.C. FOR E.C. JORDAN CO. DATED DECEMBER 1992.

NOTE: AN ELEVATION ADJUSTMENT OF +3.89 FEET WAS ADDED TO ALL SKW AND AIRCO INC. MONITORING WELLS. THIS WAS DONE TO BRING ALL ELEVATIONS INTO THE 1929 DATUM.

NEW YORK POWER AUTHORITY (PROPERTY)			
WELL ELEVATION TABLE (NGVD 1929)			
WELL	GROUND	CASING	RISER
MW-1A (1B)	601.22	-	604.08
MW-1B (1B)	601.29	-	603.78
B1	618.40	-	-
B1A	613.00	-	-
B2	618.40	-	-
B3	618.50	-	-

EXISTING USGS MONITORING WELLS			
WELL ELEVATION TABLE (NGVD 1929)			
WELL	GROUND	CASING	RISER
MW-8A	617.74	-	-
MW-8B	617.75	-	-
MW-7A	614.40	618.24	617.86



SITE BM 1  
RRS. IN POLE  
NM-73, NYT-10  
ELEV. = 599.00

MATCH TO DRAWING NO. 2

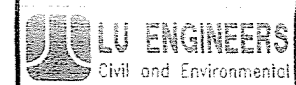
HYDE PARK BLVD.

- LEGEND**
- NEW MONITORING WELL
  - SOIL BORING
  - EXISTING WELL
  - SOIL (DRY)
  - TEST PIT
  - UTILITY POLE
  - PROPERTY IRON PIN
  - TREE LINE
  - APPROX. PROPERTY LINE
  - JCL SURVEY CONTROL POINT
  - CHAIN LINK FENCE

DATE: \_\_\_\_\_ REVISIONS: \_\_\_\_\_ BY: \_\_\_\_\_

DRAWING ALTERATION

WARNING: It is a violation of the New York State Education Law, Article 145, Section 7209, Special Provision 2, for any person unless he is acting under the direction of a Licensed Professional Engineer or Land Surveyor to seal on them in any way. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and notation "altered by" followed by his signature and date of such alteration, and a specific description of the alteration.



JOSEPH C. LU ENGINEERING AND LAND SURVEYING, P.C.  
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PENFIELD, NY 14526  
(716) 377-1450  
FAX: (716) 377-1266

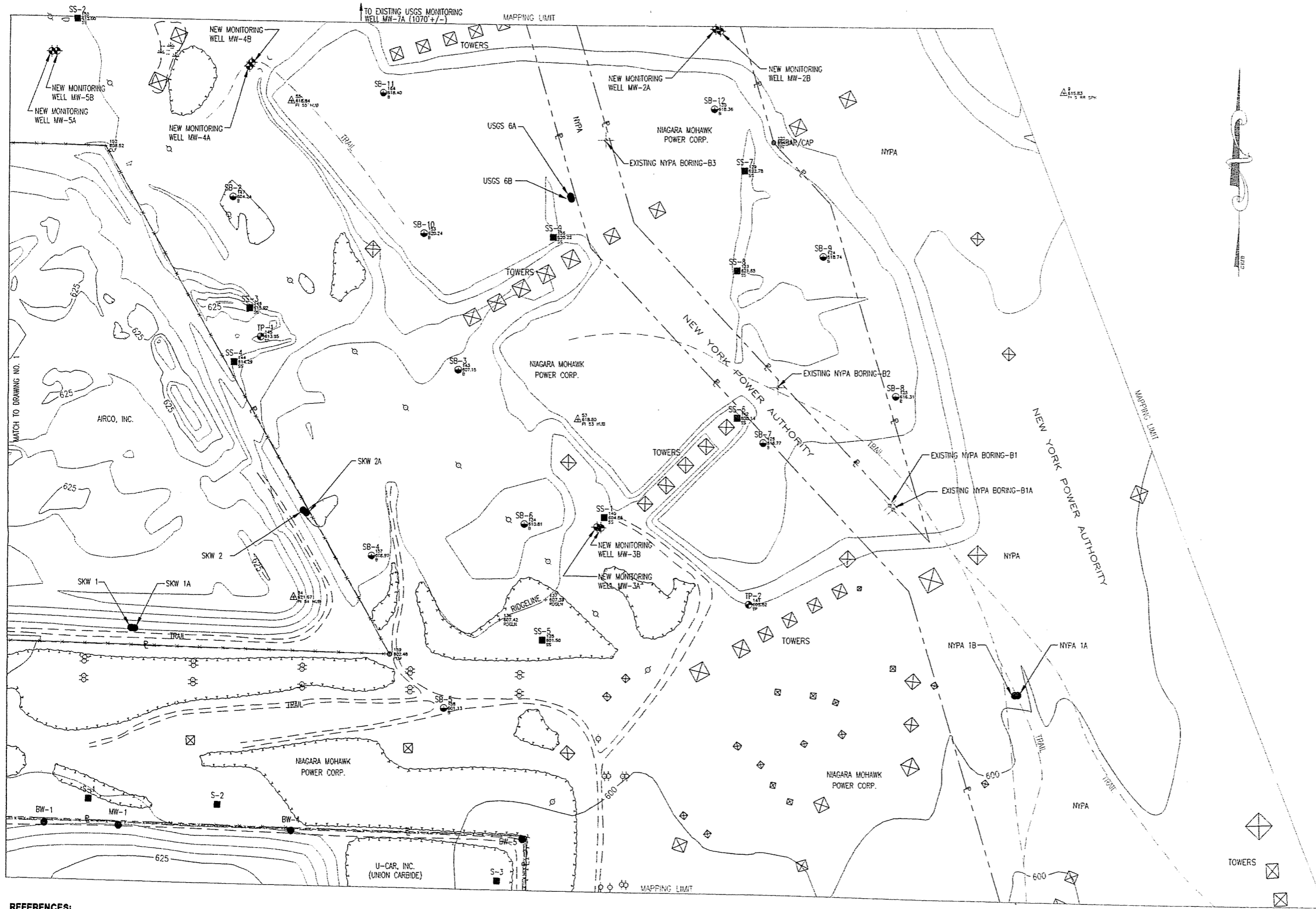
PROJECT: VANADIUM CORPORATION OF AMERICA PSA SITE

CLIENT: ECOLOGY AND ENVIRONMENT

**DRAFT**

VANADIUM SITE

DESIGNED BY: \_\_\_\_\_ SCALE: 1"=100'  
DRAWN BY: L.W.H. DATE: 12/3/96  
CHECKED BY: \_\_\_\_\_ PROJECT No: 10610-04



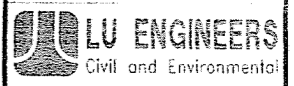
- REFERENCES:**
- HORIZONTAL CONTROL FOR THIS PROJECT WAS TIED INTO NAD 1983. MONUMENTS SMC-20A AND SMC-45 FROM A GIS CONTROL PROJECT IN 1991 FOR THE CITY OF NIAGARA FALLS WAS USED.
  - VERTICAL CONTROL FOR THIS PROJECT WAS TIED INTO NGVD 1929. MONUMENT SMC-20A WITH AN ELEVATION OF 588.52 WAS USED. A SECONDARY BENCHMARK (RAILROAD SPIKE IN POLE NM-78, NYT-10) WAS SET BY LU ENGINEERS WITH AN ELEVATION OF 599.00.
  - TOPOGRAPHIC MAPPING AND CONTOURS FOR THIS PROJECT WAS BASED ON 1"=500' PHOTOGRAPHY OBTAINED IN THE SPRING OF 1992.
  - EXISTING MONITORING WELL LOCATIONS ARE BASED ON EXISTING DRAWINGS AND FIELD NOTES MERGED TOGETHER ON ONE DATUM. NEW BORINGS, TEST PITS, MONITORING WELLS AND SOIL SAMPLE LOCATIONS WERE FIELD MEASURED.
  - ALL PROPERTY LINE LOCATIONS ARE APPROXIMATE. NO BOUNDARY SURVEY WAS DONE. EXISTING SURVEYS WERE UTILIZED FROM SKW ALLOYS, INC. DATED FEBRUARY 18, 1988, UNION CARBIDE LANDFILL SITE PLAN DATED DECEMBER 30, 1993 AND NEW YORK STATE POWER AUTHORITY DRAWING "NPPSKW.DWG".

DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_ BY: \_\_\_\_\_

DRAWING ALTERATION

WARNING: It is a violation of the New York State Education Law, Article 143, Section 7209, Special Provision 2, for any person unless he is acting under the direction of a Licensed Professional Engineer or Land Surveyor to alter an item in any way if an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and notation "altered by" followed by his signature and date of such alteration, and a specific description of the alteration.

BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



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PENFIELD, NY 14526  
(716) 377-1450  
FAX: (716) 377-1266

PROJECT:  
VANADIUM CORPORATION OF AMERICA PSA SITE

CLIENT:  
ECOLOGY AND ENVIRONMENT

**DRAFT**  
VANADIUM SITE

DESIGNED BY: _____	SCALE: 1"=100'
DRAWN BY: LWH	DATE: 12/7/94
CHECKED BY: _____	PROJECT NO.: 9400104
SHEET 2	OF 2 P.2



TABLE Vt-1

WASTE SAMPLES Volatile Organic Compounds (ug/kg)											
Parameter	TAGM 4046	SB-1B 4-6'	SB-2B 4-6'	SB-3B 6-8'	SB-4B 2-4'	SB-6B 7-8'	SB-7B 14-16'	SB-8B 15-17'	SB-9B 10-12'	SB-9B DUP	SB-10B 18-20'
Methylene Chloride	100	2J									
Acetone	200	5BJ	7BJ	4BJ	7BJ	9BJ	35B	42B	11BJ	13BJ	19
2-Butanone	300										
Toluene	1500			3J							

WASTE SAMPLES Volatile Organic Compounds (ug/kg)									
Parameter	TAGM 4046	SB-11B 10-12'	SB-12B 16-18'	SB-12E 4-6'	TP-1	TP-1 DUP	TP-2	MW-4	
Methylene Chloride	100					1J			
Acetone	200	69	58		5BJ	7BJ	13BJ	23B	

Note: Detected Compounds Only  
 J - Estimated, below DETECTED Limit  
 B - Compound Detected IN BLANK



SB-113

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59202

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: 55441

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F6786

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

% Moisture: not dec. 24 Date Analyzed: 11/08/96

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59202

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: 55441

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

Lab File ID: F6786

Level: (low/med) LOW

Date Received: 11/04/96

% Moisture: not dec. 24

Date Analyzed: 11/08/96

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

A59205

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: 55442  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6787  
 Level: (low/med) LOW Date Received: 11/04/96  
 % Moisture: not dec. 30 Date Analyzed: 11/08/96  
 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	7	BJ ✓
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.

A59205
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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: 55442

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6787

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

% Moisture: not dec. 30 Date Analyzed: 11/08/96

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

A59208

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: 55492  
 Sample wt/vol: 5.2 (g/mL) G Lab File ID: F6801  
 Level: (low/med) LOW Date Received: 11/05/96  
 % Moisture: not dec. 37 Date Analyzed: 11/08/96  
 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	15	U
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	3	J
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.

A59208
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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: 55492

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F6801

Level: (low/med) LOW Date Received: 11/05/96

% Moisture: not dec. 37 Date Analyzed: 11/08/96

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
=====	=====	=====	=====	=====

SB-4B ✓

DEC SAMPLE NO.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

A59211

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: 55494

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6792

Level: (low/med) LOW Date Received: 11/05/96

% Moisture: not dec. 19 Date Analyzed: 11/08/96

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	7	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.

A59211
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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: 55494

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6792

Level: (low/med) LOW Date Received: 11/05/96

% Moisture: not dec. 19 Date Analyzed: 11/08/96

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
-----	-----	-----	-----	-----

SB-6B ✓

DEC SAMPLE NO.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

A59217

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: 55497

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6795

Level: (low/med) LOW Date Received: 11/05/96

% Moisture: not dec. 34 Date Analyzed: 11/08/96

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	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	15	U
67-64-1	Acetone	9	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.

A59217
--------

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: 55497

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6795

Level: (low/med) LOW Date Received: 11/05/96

% Moisture: not dec. 34 Date Analyzed: 11/08/96

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
=====	=====	=====	=====	=====



SB-7B ✓

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59220

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: 55570

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

Lab File ID: F6803

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 37

Date Analyzed: 11/08/96

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	35	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.

A59220
--------

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: 55570

Sample wt/vol: 5.1 (g/mL) G Lab File ID: F6803

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

% Moisture: not dec. 37 Date Analyzed: 11/08/96

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.	Octanol isomer	24.29	35	J

SB-8B

DEC SAMPLE NO.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

A59223

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: 55572

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

Lab File ID: F6805

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 51

Date Analyzed: 11/08/96

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

CAS NO.

COMPOUND

Q

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59223

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: 55572  
Sample wt/vol: 5.1 (g/mL) G Lab File ID: F6805  
Level: (low/med) LOW Date Received: 11/06/96  
% Moisture: not dec. 51 Date Analyzed: 11/08/96  
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
=====	=====	=====	=====	=====

58-9B

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59226

Name: E & E INC. Contract: C003181

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

Matrix: (soil/water) SOIL Lab Sample ID: 55574

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6809

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

% Moisture: not dec. 28 Date Analyzed: 11/09/96

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

CAS NO. COMPOUND 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	11	BJ
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.

A59226

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: 55574

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

Lab File ID: F6809

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 28

Date Analyzed: 11/09/96

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.

A59269

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: 55579

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

Lab File ID: F6814

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 30

Date Analyzed: 11/09/96

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	13	BJ
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.

A59269
--------

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: 55579

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

Lab File ID: F6814

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 30

Date Analyzed: 11/09/96

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

A59229

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: 55653  
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: F6820  
 Level: (low/med) LOW Date Received: 11/07/96  
 % Moisture: not dec. 34 Date Analyzed: 11/09/96  
 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

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	15	U
67-64-1	Acetone	19	
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.

A59229
--------

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: 55653

Sample wt/vol: 5.1 (g/mL) G Lab File ID: F6820

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

% Moisture: not dec. 34 Date Analyzed: 11/09/96

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

A59232

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: 55655

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

Lab File ID: F6822

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: not dec. 52

Date Analyzed: 11/09/96

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

CAS NO.

COMPOUND

Q

74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	21	U ✓
67-64-1	Acetone	69	
75-15-0	Carbon Disulfide	21	U
75-35-4	1,1-Dichloroethene	21	U
75-34-3	1,1-Dichloroethane	21	U
540-59-0	1,2-Dichloroethene (total)	21	U
67-66-3	Chloroform	21	U
107-06-2	1,2-Dichloroethane	21	U
78-93-3	2-Butanone	21	U
71-55-6	1,1,1-Trichloroethane	21	U
56-23-5	Carbon Tetrachloride	21	U
75-27-4	Bromodichloromethane	21	U
78-87-5	1,2-Dichloropropane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
79-01-6	Trichloroethene	21	U
124-48-1	Dibromochloromethane	21	U
79-00-5	1,1,2-Trichloroethane	21	U
71-43-2	Benzene	21	U
10061-02-6	trans-1,3-Dichloropropene	21	U
75-25-2	Bromoform	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
108-88-3	Toluene	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethylbenzene	21	U
100-42-5	Styrene	21	U
1330-20-7	Xylene (total)	21	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59232

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: 55655

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

Lab File ID: F6822

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: not dec. 52

Date Analyzed: 11/09/96

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.

A59235

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: 55657  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6824  
 Level: (low/med) LOW Date Received: 11/07/96  
 % Moisture: not dec. 57 Date Analyzed: 11/09/96  
 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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	23	U
74-83-9	-----Bromomethane	23	U
75-01-4	-----Vinyl Chloride	23	U
75-00-3	-----Chloroethane	23	U
75-09-2	-----Methylene Chloride	23	U
67-64-1	-----Acetone	58	U
75-15-0	-----Carbon Disulfide	23	U
75-35-4	-----1,1-Dichloroethene	23	U
75-34-3	-----1,1-Dichloroethane	23	U
540-59-0	-----1,2-Dichloroethene (total)	23	U
67-66-3	-----Chloroform	23	U
107-06-2	-----1,2-Dichloroethane	23	U
78-93-3	-----2-Butanone	23	U
71-55-6	-----1,1,1-Trichloroethane	23	U
56-23-5	-----Carbon Tetrachloride	23	U
75-27-4	-----Bromodichloromethane	23	U
78-87-5	-----1,2-Dichloropropane	23	U
10061-01-5	-----cis-1,3-Dichloropropene	23	U
79-01-6	-----Trichloroethene	23	U
124-48-1	-----Dibromochloromethane	23	U
79-00-5	-----1,1,2-Trichloroethane	23	U
71-43-2	-----Benzene	23	U
10061-02-6	-----trans-1,3-Dichloropropene	23	U
75-25-2	-----Bromoform	23	U
108-10-1	-----4-Methyl-2-Pentanone	23	U
591-78-6	-----2-Hexanone	23	U
127-18-4	-----Tetrachloroethene	23	U
79-34-5	-----1,1,2,2-Tetrachloroethane	23	U
108-88-3	-----Toluene	23	U
108-90-7	-----Chlorobenzene	23	U
100-41-4	-----Ethylbenzene	23	U
100-42-5	-----Styrene	23	U
1330-20-7	-----Xylene (total)	23	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59235

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: 55657  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: F6824  
 Level: (low/med) LOW Date Received: 11/07/96  
 % Moisture: not dec. 57 Date Analyzed: 11/09/96  
 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

A59248

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: 55659

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

Lab File ID: F6826

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: not dec. 24

Date Analyzed: 11/09/96

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59248
--------

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: 55659

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

Lab File ID: F6826

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: not dec. 24

Date Analyzed: 11/09/96

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
=====	=====	=====	=====	=====



TP-1

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59237

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: 55576

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

Lab File ID: F6811

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 25

Date Analyzed: 11/09/96

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

CAS NO.

COMPOUND

Q

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

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59237
--------

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: 55576  
 Sample wt/vol: 5.2 (g/mL) G Lab File ID: F6811  
 Level: (low/med) LOW Date Received: 11/06/96  
 % Moisture: not dec. 25 Date Analyzed: 11/09/96  
 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

A59266

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: 55577

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

Lab File ID: F6812

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 25

Date Analyzed: 11/09/96

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

CAS NO.

COMPOUND

Q

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

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59266

Name: E & E INC. Contract: C003181  
Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104  
Matrix: (soil/water) SOIL Lab Sample ID: 55577  
Sample wt/vol: 5.1 (g/mL) G Lab File ID: F6812  
Level: (low/med) LOW Date Received: 11/06/96  
% Moisture: not dec. 25 Date Analyzed: 11/09/96  
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
=====	=====	=====	=====	=====

TP-2

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59267

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: 55578

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: F6813

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 35

Date Analyzed: 11/09/96

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

CAS NO.

COMPOUND

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	15	U
67-64-1	Acetone	13	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.

A59267
--------

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: 55578

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: F6813

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: not dec. 35

Date Analyzed: 11/09/96

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

MW-4 WASTE ✓  
16-14 DEC SAMPLE NO.

Lab Name: E & E INC. Contract: C003181 A59261  
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1023  
 Matrix: (soil/water) SOIL Lab Sample ID: 54906  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: H8514  
 Level: (low/med) LOW Date Received: 10/25/96  
 % Moisture: not dec. 38 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	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	23	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.

A59261

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: 54906  
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: H8514  
 Level: (low/med) LOW Date Received: 10/25/96  
 % Moisture: not dec. 38 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. 66-25-1	Hexanal	16.31	17	JN



TABLE 17-2

Parameter	WASTE SAMPLES										
	TAGM 4046	SB-1B 4-6'	SB-2B 4-6'	SB-3B 6-8'	SB-4B 2-4'	SB-6B 7-8'	SB-7B 14-16'	SB-8B 15-17'	SB-9B 10-12'	SB-9B DUP	SB-10B 18-20'
Naphthalene		92J		110J							
Acenaphthene	50000			310J							
Dibenzofuran				130J							
Diethylphthalate	7100					57J					
Flourene	50000			200J							
Pentachlorophenol	1000					65J					
Phenanthrene	50000	45J	200J	1800	71J	56J		66J			
Anthracene	50000			110J							
Carbazole											
Flouranthene	50000		280J	1400	120J	76J		110J	54J		
Pyrene	50000		210J	1800	100J	71J		53J			
Butylbenzylphthalate				150J							
Benzo (a) Anthracene	224		130J	1200	64J						
Chrysene	400		140J	1300	80J						
bis (2-ethylhexyl) Phthalate	50000	75J	97J	140J	290J	620	380J	48J	65J	82J	
Benzo (b) Flouranthene	1100		150J	1400	130J	51J		54J			
Benzo (k) Flouranthene	1100		97J								
Benzo (a) Pyrene	61		130J	800	64J						
Indeno (1,2,3-cd) Pyrene	3200		99J	570	45J						
Dibenz (a,h) Anthracene	14		51J	290J							
Benzo (g,h,i) Perylene	50000		110J	630	49J						

Note: Detected Compounds Only

SHOWN ABOVE EXCEED TAGM

W-2  
**TABLE (Cont)**

WASTE SAMPLES Semivolatile Organic Compounds (ug/kg)										
Parameter	TAGM 4046	SB-11B 10-12'	SB-12B 16-18'	SB-12D 18-20'	SB-12E 4-6'	TP-1	TP-1 DUP	TP-2	MW-4	
Acenaphthene	50000									
Diethylphthalate	7100									
Flourene	50000									
Phenanthrene	50000				98J	100J	100J	280J		
Anthracene	50000									
Carbazole										
Flouranthene	50000		99J		130J	220J	180J	230J		
Pyrene	50000				68J	110J	92J	190J		
Benzo (a) Anthracene	224					82J	72J	81J		
Chrysene	400				54J	97J	89J	96J		
bis (2-ethylhexyl) Phthalate	50000	160J	95J	130J	60J		140BJ		140BJ	
Benzo (b) Flouranthene	1100				72J	120J	120J	83J		
Benzo (k) Flouranthene	1100							59J		
Benzo (a) Pyrene	61					68J	69J	72J		
Indeno (1,2,3-cd) Pyrene	3200									
Dibenz (a,h) Anthracene	14									
Benzo (g,h,i) Perylene										

Note: Detected Compounds Only

J-  
 Shaded

**WASTE SAMPLES**  
Semivolatile Organic Compounds (ug/kg)

Parameter	TAGM 4046	SB-1B 4-6'	SB-2B 4-6'	SB-3B 6-8'	SB-4B 2-4'	SB-6B 7-8'	SB-7B 14-16'	SB-8B 15-17'	SB-9B 10-12'	SB-9B DUP	SB-10B 18-20'
Naphthalene		92J		110J							
Acenaphthene	50000			310J							
Dibenzofuran				130J							
Diethylphthalate	7100						57J				
Flourene	50000			200J							
Pentachlorophenol	1000					65J					
Phenanthrene	50000	45J	200J	1800	71J	56J			66J		
Anthracene	50000			110J							
Carbazole											
Flouranthene	50000		280J	1400	120J	76J			110J	54J	
Pyrene	50000		210J	1800	100J	71J			53J		
Butylbenzylphthalate				150J							
Benzo (a) Anthracene	224		130J	1200	64J						
Chrysene	400		140J	1300	80J						
bis (2-ethylhexyl) Phthalate	50000	75J	97J	140J	290J	620	380J	380J	48J	65J	82J
Benzo (b) Flouranthene	1100		150J	1400	130J	51J			54J		
Benzo (k) Flouranthene	1100		97J								
Benzo (a) Pyrene	61		150J	800	64J						
Indeno (1,2,3-cd) Pyrene	3200		99J	570	45J						
Dibenz (a,h) Anthracene	14		51J	290J							
Benzo (g,h,i) Perylene	50000		110J	630	49J						



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59202

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: 55441

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

Lab File ID: B1735

Level: (low/med) LOW

Date Received: 11/04/96

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 11/07/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/13/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.3

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

CAS NO. COMPOUND

108-95-2-----	Phenol	430	U
111-44-4-----	bis(2-Chloroethyl) Ether	430	U
95-57-8-----	2-Chlorophenol	430	U
541-73-1-----	1,3-Dichlorobenzene	430	U
106-46-7-----	1,4-Dichlorobenzene	430	U
95-50-1-----	1,2-Dichlorobenzene	430	U
95-48-7-----	2-Methylphenol	430	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5-----	4-Methylphenol	430	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	430	U
67-72-1-----	Hexachloroethane	430	U
98-95-3-----	Nitrobenzene	430	U
78-59-1-----	Isophorone	430	U
88-75-5-----	2-Nitrophenol	430	U
105-67-9-----	2,4-Dimethylphenol	430	U
111-91-1-----	bis(2-Chloroethoxy)Methane	430	U
120-83-2-----	2,4-Dichlorophenol	430	U
120-82-1-----	1,2,4-Trichlorobenzene	430	U
91-20-3-----	Naphthalene	92	J
106-47-8-----	4-Chloroaniline	430	U
87-68-3-----	Hexachlorobutadiene	430	U
59-50-7-----	4-Chloro-3-Methylphenol	430	U
91-57-6-----	2-Methylnaphthalene	430	U
77-47-4-----	Hexachlorocyclopentadiene	430	U
88-06-2-----	2,4,6-Trichlorophenol	430	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	430	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	430	U
208-96-8-----	Acenaphthylene	430	U
606-20-2-----	2,6-Dinitrotoluene	430	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	430	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59202

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: 55441

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

Lab File ID: B1735

Level: (low/med) LOW

Date Received: 11/04/96

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 11/07/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/13/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.3

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	430	U
121-14-2-----	2,4-Dinitrotoluene	430	U
84-66-2-----	Diethylphthalate	430	U
7005-72-3-----	4-Chlorophenyl-phenylether	430	U
86-73-7-----	Fluorene	430	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	430	U
101-55-3-----	4-Bromophenyl-phenylether	430	U
118-74-1-----	Hexachlorobenzene	430	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	45	J ✓
120-12-7-----	Anthracene	430	U
86-74-8-----	Carbazole	430	U
84-74-2-----	Di-n-Butylphthalate	430	U
206-44-0-----	Fluoranthene	430	U
129-00-0-----	Pyrene	430	U
85-68-7-----	Butylbenzylphthalate	430	U
91-94-1-----	3,3'-Dichlorobenzidine	430	U
56-55-3-----	Benzo (a) Anthracene	430	U
218-01-9-----	Chrysene	430	U
117-81-7-----	bis (2-Ethylhexyl) Phthalate	75	J ✓
117-84-0-----	Di-n-Octyl Phthalate	430	U
205-99-2-----	Benzo (b) Fluoranthene	430	U
207-08-9-----	Benzo (k) Fluoranthene	430	U
50-32-8-----	Benzo (a) Pyrene	430	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	430	U
53-70-3-----	Dibenz (a,h) Anthracene	430	U
191-24-2-----	Benzo (g,h,i) Perylene	430	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

12/91

325

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59202

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: 55441

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

Lab File ID: B1735

Level: (low/med) LOW

Date Received: 11/04/96

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 11/07/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/13/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 11.3

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

Number TICs found: 11

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	6.06	11000	ABJN
2.	Unknown	7.76	140	J
3.	Unknown	8.63	530	J
4.	Unknown carboxylic acid	26.52	190	J
5. 10544-50-0	Sulfur, mol. (S8)	26.96	1800	JN
6.	Unknown hydrocarbon	28.18	130	J
7.	Straight-chain alkane	30.49	170	J
8.	Straight-chain alkane	34.58	93	J
9.	Branched-chain alkane	35.17	94	J
10.	Unknown	35.55	690	J
11.	Straight-chain alkane	36.54	210	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59205

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: 55442

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

Lab File ID: B1744

Level: (low/med) LOW

Date Received: 11/04/96

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

Date Extracted: 11/09/96

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: 12.0

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

CAS NO.

COMPOUND

Q

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



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59205

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: 55442

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

Lab File ID: B1744

Level: (low/med) LOW

Date Received: 11/04/96

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

Date Extracted: 11/09/96

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: 12.0

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	1100	U
100-02-7-----4-Nitrophenol	1100	U
132-64-9-----Dibenzofuran	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	200	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	280	J ✓
129-00-0-----Pyrene	210	J ✓
85-68-7-----Butylbenzylphthalate	470	U
91-94-1-----3,3'-Dichlorobenzidine	470	U
56-55-3-----Benzo (a) Anthracene	130	J ✓
218-01-9-----Chrysene	140	J ✓
117-81-7-----bis (2-Ethylhexyl) Phthalate	97	J ✓
117-84-0-----Di-n-Octyl Phthalate	470	U
205-99-2-----Benzo (b) Fluoranthene	150	J ✓
207-08-9-----Benzo (k) Fluoranthene	97	J ✓
50-32-8-----Benzo (a) Pyrene	150	J ✓
193-39-5-----Indeno (1,2,3-cd) Pyrene	99	J ✓
53-70-3-----Dibenz (a,h) Anthracene	51	J ✓
191-24-2-----Benzo (g,h,i) Perylene	110	J ✓

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

12/91

361

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59205

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: 55442

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

Lab File ID: B1744

Level: (low/med) LOW

Date Received: 11/04/96

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

Date Extracted: 11/09/96

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: 12.0

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	7.80	730	BJ
2.	Unknown	8.14	300	J
3.	Unknown	8.63	520	BJ
4.	Unknown	9.80	450	J
5.	2-Fluorophenol acetate	11.07	180	J
6.	Unknown	11.20	1000	J
7.	2-Chlorophenol-d4 acetate	14.35	180	J
8.	Straight-chain alkane	16.20	170	J
9.	Straight-chain alkane	21.30	340	J
10.	Straight-chain alkane	22.82	320	J
11.	Branched-chain alkane	22.90	270	J
12.	Straight-chain alkane	24.24	220	J
13.	Straight-chain alkane	25.61	440	J
14.	Straight-chain alkane	26.90	530	J
15.	Straight-chain alkane	29.32	190	J
16.	Straight-chain alkane	30.47	1700	J
17.	Straight-chain alkane	32.60	280	J
18.	Straight-chain alkane	33.60	570	J
19.	Straight-chain alkane	34.56	430	J
20.	Straight-chain alkane	35.51	660	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59208

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: 55492

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

Lab File ID: B1747

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 37 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: 11.7

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

CAS NO.

COMPOUND

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	110	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	270	J
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	310	J

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59208
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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: 55492

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

Lab File ID: B1747

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 37 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: 11.7

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

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1300	U
100-02-7-----	4-Nitrophenol	1300	U
132-64-9-----	Dibenzofuran	130	J ✓
121-14-2-----	2,4-Dinitrotoluene	520	U
84-66-2-----	Diethylphthalate	520	U
7005-72-3-----	4-Chlorophenyl-phenylether	520	U
86-73-7-----	Fluorene	200	J ✓
100-01-6-----	4-Nitroaniline	1300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	520	U
101-55-3-----	4-Bromophenyl-phenylether	520	U
118-74-1-----	Hexachlorobenzene	520	U
87-86-5-----	Pentachlorophenol	1300	U
85-01-8-----	Phenanthrene	1800	✓
120-12-7-----	Anthracene	110	J ✓
86-74-8-----	Carbazole	520	U
84-74-2-----	Di-n-Butylphthalate	520	U
206-44-0-----	Fluoranthene	1400	✓
129-00-0-----	Pyrene	1800	✓
85-68-7-----	Butylbenzylphthalate	150	J ✓
91-94-1-----	3,3'-Dichlorobenzidine	520	U
56-55-3-----	Benzo (a) Anthracene	1200	✓
218-01-9-----	Chrysene	1300	✓
117-81-7-----	bis(2-Ethylhexyl) Phthalate	140	J ✓
117-84-0-----	Di-n-Octyl Phthalate	520	U
205-99-2-----	Benzo (b) Fluoranthene	1400	✓
207-08-9-----	Benzo (k) Fluoranthene	520	U
50-32-8-----	Benzo (a) Pyrene	800	✓
193-39-5-----	Indeno (1,2,3-cd) Pyrene	570	✓
53-70-3-----	Dibenz (a, h) Anthracene	290	J
191-24-2-----	Benzo (g, h, i) Perylene	630	✓

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59208

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: 55492

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

Lab File ID: B1747

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 37 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: 11.7

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	7.74	390	BJ
2.	Unknown	8.60	410	BJ
3.	Unknown	8.86	290	J
4.	Unknown	11.19	610	J
5. 1120-21-4	Undecane	12.11	210	JN
6. 112-40-3	Dodecane	14.26	420	JN
7.	Branched-chain alkane	15.69	330	J
8.	Tridecane isomer	16.22	1100	J
9. 90-12-0	Naphthalene, 1-methyl-	16.70	330	JN
10.	Cycloalkane	17.11	190	J
11. 629-59-4	Tetradecane	18.06	700	JN
12.	Dimethylnaphthalene isomer	18.41	220	J
13.	Branched-chain alkane	19.12	370	J
14.	Trimethylnaphthalene isomer	20.49	290	J
15.	Straight-chain alkane	21.37	910	J
16.	Branched-chain alkane	22.11	450	J
17.	Unknown carboxlic acid	23.96	270	J
18.	Straight-chain alkane	24.34	210	J
19.	Cycloalkane	25.51	330	J
20.	Unknown carboxlic acid	28.94	14000	J

SB-4B ✓

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59211

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: 55494

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

Lab File ID: B1749

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 19 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: 12.2

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) 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	990	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	990	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	990	U
83-32-9-----	Acenaphthene	410	U

FORM I SV-1

12/91

500

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59211

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: 55494

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

Lab File ID: B1749

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 19 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: 12.2

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	990	U
100-02-7-----	4-Nitrophenol	990	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	990	U
534-52-1-----	4,6-Dinitro-2-methylphenol	990	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	990	U
85-01-8-----	Phenanthrene	71	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	120	J ✓
129-00-0-----	Pyrene	100	J ✓
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	64	J ✓
218-01-9-----	Chrysene	80	J ✓
117-81-7-----	bis(2-Ethylhexyl)Phthalate	290	J ✓
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	130	J ✓
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)Pyrene	64	J ✓
193-39-5-----	Indeno(1,2,3-cd)Pyrene	45	J ✓
53-70-3-----	Dibenz(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	49	J ✓

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59211

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: 55494

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

Lab File ID: B1749

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 19 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: 12.2

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	9.94	1300000	BJN
2.	Unknown	10.20	30000	J
3.	Unknown	10.35	3400	J
4.	Unknown	10.71	9100	J
5.	Unknown	10.95	2000	J
6.	Phenol-d5 acetate	11.46	1000	J
7.	Unknown	11.71	1100	J
8.	Unknown	11.79	1300	J
9.	Cycloalkane	12.15	1000	J
10.	Unknown oxygenated hydrocarb	12.58	910	J
11.	Unknown oxygenated hydrocarb	13.24	3400	J
12.	Unknown oxygenated hydrocarb	13.32	3500	J
13.	Unknown oxygenated hydrocarb	13.45	3000	J
14.	Unknown oxygenated hydrocarb	13.66	1300	J
15.	Unknown oxygenated hydrocarb	13.78	690	J
16.	Unknown	13.88	850	J
17.	Unknown oxygenated hydrocarb	14.49	25000	J
18.	Straight-chain alkane	31.92	710	J
19.	Straight-chain alkane	32.58	560	J
20.	Straight-chain alkane	33.60	1500	J
21.	Straight-chain alkane	34.87	940	J



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59211RE

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: 55474RE <sup>9</sup> *AP 11/14/96*

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

Lab File ID: B1759

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 19 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: 12.2

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

CAS NO.

COMPOUND

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	990	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	990	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	990	U
83-32-9-----	Acenaphthene	410	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59211RE

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: 55474RE <sup>9</sup>

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

Lab File ID: B1759

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 19 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: 12.2

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	990	U
100-02-7-----	4-Nitrophenol	990	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	990	U
534-52-1-----	4,6-Dinitro-2-methylphenol	990	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	990	U
85-01-8-----	Phenanthrene	66	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	120	J
129-00-0-----	Pyrene	110	J
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	67	J
218-01-9-----	Chrysene	73	J
117-81-7-----	bis(2-Ethylhexyl)Phthalate	270	J
117-84-0-----	Di-n-Octyl Phthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	58	J
207-08-9-----	Benzo(k)Fluoranthene	81	J
50-32-8-----	Benzo(a)Pyrene	79	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	44	J
53-70-3-----	Dibenz(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	48	J

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59211RE

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: 554<sup>9</sup>4RE

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

Lab File ID: B1759 *BM/12/90*

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 19 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: 12.2

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.07	2900000	BJN
2.	Unknown	10.55	6600	J
3.	Unknown	10.87	20000	J
4.	Unknown	11.01	2200	J
5.	Unknown	11.07	4000	J
6.	Unknown oxygenated hydrocarb	11.75	6900	J
7.	Unknown	12.21	1700	J
8.	Unknown oxygenated hydrocarb	12.53	13000	J
9.	Unknown oxygenated hydrocarb	12.68	2500	J
10.	Unknown oxygenated hydrocarb	13.24	8200	J
11.	Unknown oxygenated hydrocarb	13.34	3200	J
12.	Unknown oxygenated hydrocarb	13.46	1700	J
13.	Unknown oxygenated hydrocarb	13.59	1700	J
14.	Unknown oxygenated hydrocarb	13.78	620	J
15.	Unknown oxygenated hydrocarb	13.90	680	J
16.	Unknown oxygenated hydrocarb	14.36	21000	J
17.	Straight-chain alkane	29.68	610	J
18.	Straight-chain alkane	30.79	1200	J
19.	Straight-chain alkane	31.84	590	J
20.	Straight-chain alkane	34.49	870	J
21.	Straight-chain alkane	34.78	1800	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59217

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: 55497

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

Lab File ID: B1762

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 34 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: 11.9

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	500	U
111-44-4	bis(2-Chloroethyl) Ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-Di-n-Propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)Methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-Methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	500	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59217

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: 55497

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1762

Level: (low/med) LOW Date Received: 11/05/96

% Moisture: 34 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: 11.9

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	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	500	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	65	J ✓
85-01-8	Phenanthrene	56	J ✓
120-12-7	Anthracene	500	U
86-74-8	Carbazole	500	U
84-74-2	Di-n-Butylphthalate	500	U
206-44-0	Fluoranthene	76	J ✓
129-00-0	Pyrene	71	J ✓
85-68-7	Butylbenzylphthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)Anthracene	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)Phthalate	620	U ✓
117-84-0	Di-n-Octyl Phthalate	500	U
205-99-2	Benzo(b)Fluoranthene	51	J ✓
207-08-9	Benzo(k)Fluoranthene	500	U
50-32-8	Benzo(a)Pyrene	500	U
193-39-5	Indeno(1,2,3-cd)Pyrene	500	U
53-70-3	Dibenz(a,h)Anthracene	500	U
191-24-2	Benzo(g,h,i)Perylene	500	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59217

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: 55497

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

Lab File ID: B1762

Level: (low/med) LOW

Date Received: 11/05/96

% Moisture: 34 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: 11.9

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.20	85000	JNBA
2.	Unknown	8.10	2500	BJ
3.	Unknown	8.34	200	J
4.	Unknown	8.75	290	BJ
5.	Unknown	9.83	170	BJ
6.	2-fluorophenol acetate	11.08	200	J
7.	Unknown	11.18	130	J
8.	Unknown oxygenated hydrocarb	14.12	1100	J
9.	2-Chlorophenol-d4 acetate	14.29	240	J
10.	Unknown	28.57	110	J
11.	Straight-chain alkane	31.44	130	J
12.	Straight-chain alkane	32.50	370	J
13.	Straight-chain alkane	33.50	300	J
14.	Straight-chain alkane	34.47	790	J
15.	Straight-chain alkane	35.41	1300	J
16.	Unknown oxygenated hydrocarb	35.84	680	J
17.	Straight-chain alkane	36.40	590	J
18.	Unknown oxygenated hydrocarb	36.50	390	J
19.	Straight-chain alkane	37.50	190	J
20.	Unknown oxygenated hydrocarb	38.09	110	J
21.	Unknown	43.49	520	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59220

Job Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55570

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

Lab File ID: B1830

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 37 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: 12.5

CONCENTRATION UNITS:

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	520	U
106-47-8-----	4-Chloroaniline	520	U
87-68-3-----	Hexachlorobutadiene	520	U
59-50-7-----	4-Chloro-3-Methylphenol	520	U
91-57-6-----	2-Methylnaphthalene	520	U
77-47-4-----	Hexachlorocyclopentadiene	520	U
88-06-2-----	2,4,6-Trichlorophenol	520	U
95-95-4-----	2,4,5-Trichlorophenol	1300	U
91-58-7-----	2-Chloronaphthalene	520	U
88-74-4-----	2-Nitroaniline	1300	U
131-11-3-----	Dimethylphthalate	520	U
208-96-8-----	Acenaphthylene	520	U
606-20-2-----	2,6-Dinitrotoluene	520	U
99-09-2-----	3-Nitroaniline	1300	U
83-32-9-----	Acenaphthene	520	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59220

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: 55570

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

Lab File ID: B1830

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 37 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: 12.5

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	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	57	J ✓
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	J
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
86-74-8	Carbazole	520	U
84-74-2	Di-n-Butylphthalate	520	U
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)Anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl) Phthalate	380	J ✓
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b)Fluoranthene	520	U
207-08-9	Benzo(k)Fluoranthene	520	U
50-32-8	Benzo(a)Pyrene	520	U
193-39-5	Indeno(1,2,3-cd)Pyrene	520	U
53-70-3	Dibenz(a,h)Anthracene	520	U
191-24-2	Benzo(g,h,i)Perylene	520	U

(1) - Cannot be separated from Diphenylamine



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59220

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: 55570

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

Lab File ID: B1830

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 37 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: 12.5

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	5.98	320000	AJN
2.	Unknown oxygenated hydrocarb	9.17	790	J
3.	Unknown	9.43	11000	J
4.	Unknown	9.61	300	BJ
5.	Unknown	10.04	1700	J
6.	Unknown	10.23	720	J
7.	Unknown oxygenated hydrocarb	10.46	270	J
8.	2-Fluorophenol acetate	10.76	330	J
9.	Unknown oxygenated hydrocarb	12.91	2300	J
10.	Unknown oxygenated hydrocarb	13.06	5200	J
11.	Unknown oxygenated hydrocarb	13.29	5100	J
12.	Unknown oxygenated hydrocarb	14.18	22000	J
13.	Unknown	31.50	480	J
14.	Straight-chain alkane	32.16	210	J
15.	Straight-chain alkane	33.16	700	J
16.	Straight-chain alkane	34.13	660	J
17.	Straight-chain alkane	35.06	630	J
18.	Unknown	35.45	550	J
19.	Straight-chain alkane	36.01	700	J
20.	Straight-chain alkane	37.05	430	J
21.	Straight-chain alkane	38.23	430	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59220RE

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: 55570RE

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

Lab File ID: B1917

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.5

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

CAS NO.

COMPOUND

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	520	U
106-47-8-----	4-Chloroaniline	520	U
87-68-3-----	Hexachlorobutadiene	520	U
59-50-7-----	4-Chloro-3-Methylphenol	520	U
91-57-6-----	2-Methylnaphthalene	520	U
77-47-4-----	Hexachlorocyclopentadiene	520	U
88-06-2-----	2,4,6-Trichlorophenol	520	U
95-95-4-----	2,4,5-Trichlorophenol	1300	U
91-58-7-----	2-Chloronaphthalene	520	U
88-74-4-----	2-Nitroaniline	1300	U
131-11-3-----	Dimethylphthalate	520	U
208-96-8-----	Acenaphthylene	520	U
606-20-2-----	2,6-Dinitrotoluene	520	U
99-09-2-----	3-Nitroaniline	1300	U
83-32-9-----	Acenaphthene	520	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59220RE

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: 55570RE

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

Lab File ID: B1917

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.5

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

CAS NO. COMPOUND UG/KG Q

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

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59220RE

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: 55570RE

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

Lab File ID: B1917

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.5

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

Number TICs found: 17

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.85	70000	JNA
2.	Unknown	7.41	220	J
3.	Unknown	7.70	2700	J
4.	Unknown	7.90	160	J
5.	Unknown	8.34	360	BJ
6.	Unknown	9.39	220	BJ
7.	2-Fluorophenol acetate	10.64	210	J
8.	Unknown oxygenated hydrocarb	13.63	1100	J
9.	2-Chlorophenol-d5 acetate	13.80	230	J
10.	Straight-chain alkane	30.87	110	J
11.	Straight-chain alkane	31.91	190	J
12.	Straight-chain alkane	32.91	410	J
13.	Straight-chain alkane	33.87	540	J
14.	Straight-chain alkane	34.81	730	J
15.	Straight-chain alkane	35.73	580	J
16.	Straight-chain alkane	36.74	320	J
17.	Unknown hydrocarbon	39.18	270	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59223

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: 55572  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1794  
 Level: (low/med) LOW Date Received: 11/06/96  
 % Moisture: 51 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: 12.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS	Q
108-95-2	Phenol	670	U
111-44-4	bis(2-Chloroethyl) Ether	670	U
95-57-8	2-Chlorophenol	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
95-48-7	2-Methylphenol	670	U
108-60-1	2,2'-oxybis(1-Chloropropane)	670	U
106-44-5	4-Methylphenol	670	U
621-64-7	N-Nitroso-Di-n-Propylamine	670	U
67-72-1	Hexachloroethane	670	U
98-95-3	Nitrobenzene	670	U
78-59-1	Isophorone	670	U
88-75-5	2-Nitrophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
111-91-1	bis(2-Chloroethoxy) Methane	670	U
120-83-2	2,4-Dichlorophenol	670	U
120-82-1	1,2,4-Trichlorobenzene	670	U
91-20-3	Naphthalene	670	U
106-47-8	4-Chloroaniline	670	U
87-68-3	Hexachlorobutadiene	670	U
59-50-7	4-Chloro-3-Methylphenol	670	U
91-57-6	2-Methylnaphthalene	670	U
77-47-4	Hexachlorocyclopentadiene	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	670	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	670	U
208-96-8	Acenaphthylene	670	U
606-20-2	2,6-Dinitrotoluene	670	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	670	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59223

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: 55572

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

Lab File ID: B1794

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 51 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: 12.3

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

CAS NO.                      COMPOUND                      UG/KG                      Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	670	U
121-14-2-----	2,4-Dinitrotoluene	670	U
84-66-2-----	Diethylphthalate	670	U
7005-72-3-----	4-Chlorophenyl-phenylether	670	U
86-73-7-----	Fluorene	670	U
100-01-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	670	U
101-55-3-----	4-Bromophenyl-phenylether	670	U
118-74-1-----	Hexachlorobenzene	670	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	670	U
120-12-7-----	Anthracene	670	U
86-74-8-----	Carbazole	670	U
84-74-2-----	Di-n-Butylphthalate	670	U
206-44-0-----	Fluoranthene	670	U
129-00-0-----	Pyrene	670	U
85-68-7-----	Butylbenzylphthalate	670	U
91-94-1-----	3,3'-Dichlorobenzidine	670	U
56-55-3-----	Benzo(a)Anthracene	670	U
218-01-9-----	Chrysene	670	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	380	J
117-84-0-----	Di-n-Octyl Phthalate	670	U
205-99-2-----	Benzo(b)Fluoranthene	670	U
207-08-9-----	Benzo(k)Fluoranthene	670	U
50-32-8-----	Benzo(a)Pyrene	670	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	670	U
53-70-3-----	Dibenz(a,h)Anthracene	670	U
191-24-2-----	Benzo(g,h,i)Perylene	670	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59223

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: 55572

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

Lab File ID: B1794

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 51 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: 12.3

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.07	530000	AJN
2.	Unknown oxygenated hydrocarb	9.19	7200	J
3.	Unknown	9.50	17000	J
4.	Unknown	9.70	810	J
5.	Unknown	10.16	1900	J
6.	Unknown oxygenated hydrocarb	10.34	1400	J
7.	Unknown	10.43	1000	J
8.	2-Fluorophenol acetate	10.91	520	J
9.	Unknown oxygenated hydrocarb	13.07	1800	J
10.	Unknown	13.12	950	J
11.	Unknown oxygenated hydrocarb	13.24	4300	J
12.	Unknown oxygenated hydrocarb	13.45	3500	J
13.	Unknown oxygenated hydrocarb	14.13	8600	J
14.	Unknown carboxylic acid	26.22	490	J
15.	Straight-chain alkane	29.06	600	J
16.	Straight-chain alkane	29.49	1000	J
17.	Striaight-chain alkane	30.19	560	J
18.	Unknown	35.23	2200	J
19.	Unknown	35.63	2700	J
20.	Straight-chain alkane	36.19	480	J
21.	Unknown	41.79	2400	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59223RE

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: 55572RE

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

Lab File ID: B1918

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 51 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.3

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	670	U
111-44-4-----	bis(2-Chloroethyl) Ether	670	U
95-57-8-----	2-Chlorophenol	670	U
541-73-1-----	1,3-Dichlorobenzene	670	U
106-46-7-----	1,4-Dichlorobenzene	670	U
95-50-1-----	1,2-Dichlorobenzene	670	U
95-48-7-----	2-Methylphenol	670	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	670	U
106-44-5-----	4-Methylphenol	670	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	670	U
67-72-1-----	Hexachloroethane	670	U
98-95-3-----	Nitrobenzene	670	U
78-59-1-----	Isophorone	670	U
88-75-5-----	2-Nitrophenol	670	U
105-67-9-----	2,4-Dimethylphenol	670	U
111-91-1-----	bis(2-Chloroethoxy)Methane	670	U
120-83-2-----	2,4-Dichlorophenol	670	U
120-82-1-----	1,2,4-Trichlorobenzene	670	U
91-20-3-----	Naphthalene	670	U
106-47-8-----	4-Chloroaniline	670	U
87-68-3-----	Hexachlorobutadiene	670	U
59-50-7-----	4-Chloro-3-Methylphenol	670	U
91-57-6-----	2-Methylnaphthalene	670	U
77-47-4-----	Hexachlorocyclopentadiene	670	U
88-06-2-----	2,4,6-Trichlorophenol	670	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	670	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethylphthalate	670	U
208-96-8-----	Acenaphthylene	670	U
606-20-2-----	2,6-Dinitrotoluene	670	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	670	U

FORM I SV-1

12/91

681



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59223RE

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: 55572RE

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

Lab File ID: B1918

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 51 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.3

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

CAS NO. COMPOUND UG/KG Q

51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	670	U
121-14-2	2,4-Dinitrotoluene	670	U
84-66-2	Diethylphthalate	670	U
7005-72-3	4-Chlorophenyl-phenylether	670	U
86-73-7	Fluorene	670	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	670	U
101-55-3	4-Bromophenyl-phenylether	670	U
118-74-1	Hexachlorobenzene	670	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	670	U
120-12-7	Anthracene	670	U
86-74-8	Carbazole	670	U
84-74-2	Di-n-Butylphthalate	670	U
206-44-0	Fluoranthene	670	U
129-00-0	Pyrene	670	U
85-68-7	Butylbenzylphthalate	670	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)Anthracene	670	U
218-01-9	Chrysene	670	U
117-81-7	bis(2-Ethylhexyl) Phthalate	100	J
117-84-0	Di-n-Octyl Phthalate	670	U
205-99-2	Benzo(b)Fluoranthene	670	U
207-08-9	Benzo(k)Fluoranthene	670	U
50-32-8	Benzo(a)Pyrene	670	U
193-39-5	Indeno(1,2,3-cd)Pyrene	670	U
53-70-3	Dibenz(a,h)Anthracene	670	U
191-24-2	Benzo(g,h,i)Perylene	670	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59223RE

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: 55572RE

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

Lab File ID: B1918

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 51 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.3

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.85	150000	JNA
2.	Unknown	8.03	5900	J
3.	Unknown	8.54	580	BJ
4.	Unknown	9.64	330	J
5.	Unknown oxygenated hydrocarb	13.24	750	J
6.	Unknown oxygenated hydrocarb	13.37	2000	J
7.	Unknown oxygenated hydrocarb	13.65	4500	J
8.	2-Chlorophenol-d4 acetate	13.76	250	J
9.	Unknown	27.94	480	J
10.	Straight-chain alkane	29.08	440	J
11.	Unknown hydrocarbon	29.33	410	J
12.	Straight-chain alkane	29.79	670	J
13.	Branched-chain alkane	30.20	450	J
14.	Unknown hydrocarbon	30.58	540	J
15.	Straight-chain alkane	30.87	650	J
16.	Unknown hydrocarbon	31.24	950	J
17.	Straight-chain alkane	31.91	410	J
18.	Straight-chain alkane	32.26	440	J
19.	Straight-chain alkane	32.92	360	J
20.	Unknown	34.78	680	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59226

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: 55574

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

Lab File ID: B1832

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 28 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: 12.3

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

108-95-2-----	Phenol	460	U
111-44-4-----	bis(2-Chloroethyl) Ether	460	U
95-57-8-----	2-Chlorophenol	460	U
541-73-1-----	1,3-Dichlorobenzene	460	U
106-46-7-----	1,4-Dichlorobenzene	460	U
95-50-1-----	1,2-Dichlorobenzene	460	U
95-48-7-----	2-Methylphenol	460	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5-----	4-Methylphenol	460	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	460	U
67-72-1-----	Hexachloroethane	460	U
98-95-3-----	Nitrobenzene	460	U
78-59-1-----	Isophorone	460	U
88-75-5-----	2-Nitrophenol	460	U
105-67-9-----	2,4-Dimethylphenol	460	U
111-91-1-----	bis(2-Chloroethoxy)Methane	460	U
120-83-2-----	2,4-Dichlorophenol	460	U
120-82-1-----	1,2,4-Trichlorobenzene	460	U
91-20-3-----	Naphthalene	460	U
106-47-8-----	4-Chloroaniline	460	U
87-68-3-----	Hexachlorobutadiene	460	U
59-50-7-----	4-Chloro-3-Methylphenol	460	U
91-57-6-----	2-Methylnaphthalene	460	U
77-47-4-----	Hexachlorocyclopentadiene	460	U
88-06-2-----	2,4,6-Trichlorophenol	460	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	460	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	460	U
208-96-8-----	Acenaphthylene	460	U
606-20-2-----	2,6-Dinitrotoluene	460	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	460	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59226

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: 55574

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

Lab File ID: B1832

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 28 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: 12.3

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	460	U
121-14-2-----	2,4-Dinitrotoluene	460	U
84-66-2-----	Diethylphthalate	460	U
7005-72-3-----	4-Chlorophenyl-phenylether	460	U
86-73-7-----	Fluorene	460	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	460	U
101-55-3-----	4-Bromophenyl-phenylether	460	U
118-74-1-----	Hexachlorobenzene	460	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	66	J ✓
120-12-7-----	Anthracene	460	U
86-74-8-----	Carbazole	460	U
84-74-2-----	Di-n-Butylphthalate	460	U
206-44-0-----	Fluoranthene	110	J ✓
129-00-0-----	Pyrene	53	J ✓
85-68-7-----	Butylbenzylphthalate	460	U
91-94-1-----	3,3'-Dichlorobenzidine	460	U
56-55-3-----	Benzo(a)Anthracene	460	U
218-01-9-----	Chrysene	460	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	48	J ✓
117-84-0-----	Di-n-Octyl Phthalate	460	U
205-99-2-----	Benzo(b) Fluoranthene	54	J ✓
207-08-9-----	Benzo(k) Fluoranthene	460	U
50-32-8-----	Benzo(a) Pyrene	460	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	460	U
53-70-3-----	Dibenz(a,h) Anthracene	460	U
191-24-2-----	Benzo(g,h,i) Perylene	460	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59226

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: 55574

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

Lab File ID: B1832

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 28 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: 12.3

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.95	1200000	AJN
2.	Unknown	10.64	28000	J
3.	Unknown	10.74	1500	J
4.	Unknown	10.97	8400	J
5.	Unknown	11.07	1200	J
6.	Unknown	11.14	1500	J
7.	Unknown	11.65	980	J
8.	Unknown	11.86	670	J
9.	Unknown	12.04	2400	J
10.	Unknown oxygenated hydrocarb	12.30	8400	J
11.	Unknown oxygenated hydrocarb	13.04	310000	J
12.	Unknown oxygenated hydrocarb	13.34	9900	J
13.	Unknown oxygenated hydrocarb	14.21	550000	J
14.	Unknown oxygenated hydrocarb	15.54	4300	J
15.	Straight-chain alkane	31.13	450	J
16.	Straight-chain alkane	33.16	390	J
17.	Straight-chain alkane	34.13	670	J
18.	Unknown	35.07	2100	J
19.	Unknown	35.45	730	J
20.	Straight-chain alkane	36.01	720	J
21.	Straight-chain alkane	37.05	510	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59226RE

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: 55574RE

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

Lab File ID: B1919

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.3

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

CAS NO.                      COMPOUND                      Q

108-95-2-----	Phenol	460	U
111-44-4-----	bis(2-Chloroethyl) Ether	460	U
95-57-8-----	2-Chlorophenol	460	U
541-73-1-----	1,3-Dichlorobenzene	460	U
106-46-7-----	1,4-Dichlorobenzene	460	U
95-50-1-----	1,2-Dichlorobenzene	460	U
95-48-7-----	2-Methylphenol	460	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5-----	4-Methylphenol	460	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	460	U
67-72-1-----	Hexachloroethane	460	U
98-95-3-----	Nitrobenzene	460	U
78-59-1-----	Isophorone	460	U
88-75-5-----	2-Nitrophenol	460	U
105-67-9-----	2,4-Dimethylphenol	460	U
111-91-1-----	bis(2-Chloroethoxy)Methane	460	U
120-83-2-----	2,4-Dichlorophenol	460	U
120-82-1-----	1,2,4-Trichlorobenzene	460	U
91-20-3-----	Naphthalene	460	U
106-47-8-----	4-Chloroaniline	460	U
87-68-3-----	Hexachlorobutadiene	460	U
59-50-7-----	4-Chloro-3-Methylphenol	460	U
91-57-6-----	2-Methylnaphthalene	460	U
77-47-4-----	Hexachlorocyclopentadiene	460	U
88-06-2-----	2,4,6-Trichlorophenol	460	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	460	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	460	U
208-96-8-----	Acenaphthylene	460	U
606-20-2-----	2,6-Dinitrotoluene	460	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	460	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59226RE

b Name: E & E INC.

Contract: C003181

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

Matrix: (soil/water) SOIL      Lab Sample ID: 55574RE

Sample wt/vol: 30.0 (g/mL) G      Lab File ID: B1919

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

% Moisture: 28      decanted: (Y/N) N      Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)      Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)      Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y      pH: 12.3

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

CAS NO.      COMPOUND

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

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59226RE

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: 55574RE  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1919  
 Level: (low/med) LOW Date Received: 11/06/96  
 % Moisture: 28 decanted: (Y/N) N Date Extracted: 11/23/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/26/96  
 Injection Volume: 2.0(uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 12.3

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.82	79000	JNA
2.	Unknown	7.98	3300	J
3.	Unknown	8.18	170	J
4.	Unknown	8.52	260	BJ
5.	Unknown	8.75	100	J
6.	Unknown	9.51	190	BJ
7.	2-Fluorophenol acetate	10.70	150	J
8.	Unknown oxygenated hydrocarb	13.68	2300	J
9.	2-Chlorophenol-d4 acetate	13.81	190	J
10.	Unknown	30.80	130	J
11.	Straight-chain alkane	30.86	140	J
12.	Straight-chain alkane	31.90	130	J
13.	Straight-chain alkane	32.90	480	J
14.	Unknown	33.68	130	J
15.	Straight-chain alkane	33.88	570	J
16.	Unknown	34.80	1800	J
17.	Straight-chain alkane	35.72	520	J
18.	Straight-chain alkane	36.72	520	J
19.	Straight-chain alkane	37.86	130	J
20.	Unknown	38.24	210	J
21.	Unknown	39.39	180	J



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59269

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: 55579

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

Lab File ID: B1866

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/15/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/23/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.3

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

CAS NO.

COMPOUND

Q

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

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59269

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: 55579

Sample wt/vol: 30.0 (g/mL) G      Lab File ID: B1866

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

% Moisture: 30      decanted: (Y/N) N      Date Extracted: 11/15/96

Concentrated Extract Volume: 500.0 (uL)      Date Analyzed: 11/23/96

Injection Volume: 2.0 (uL)      Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y      pH: 12.3

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	470	U
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-Butylphthalate	470	U
206-44-0	Fluoranthene	54	J ✓
129-00-0	Pyrene	470	U
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo (a) Anthracene	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl) Phthalate	65	J ✓
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo (b) Fluoranthene	470	U
207-08-9	Benzo (k) Fluoranthene	470	U
50-32-8	Benzo (a) Pyrene	470	U
193-39-5	Indeno (1,2,3-cd) Pyrene	470	U
53-70-3	Dibenz (a,h) Anthracene	470	U
191-24-2	Benzo (g,h,i) Perylene	470	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59269

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: 55579  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1866  
 Level: (low/med) LOW Date Received: 11/06/96  
 % Moisture: 30 decanted: (Y/N) N Date Extracted: 11/15/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/23/96  
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 12.3

Number TICs found: 21 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.95	94000	JNAB
2.	Unknown	7.89	3400	J
3.	Unknown	8.12	290	J
4.	Unknown	8.49	360	BJ
5.	2-Fluorophenol acetate	10.70	190	J
6.	Unknown	10.77	200	J
7.	Phenol-d5 acetate	10.90	120	J
8.	Unknown oxygenated hydrocarb	13.73	1600	J
9.	Unknown	28.66	130	J
10.	Straight-chain alkane	29.92	710	J
11.	Unknown oxygenated hydrocarb	30.89	180	J
12.	Straight-chain alkane	31.01	130	J
13.	Unknown adipate	31.06	880	J
14.	Straight-chain alkane	32.04	260	J
15.	Straight-chain alkane	33.05	920	J
16.	Straight-chain alkane	34.00	820	J
17.	Unknown	34.94	2300	J
18.	Straight-chain alkane	35.88	830	J
19.	Straight-chain alkane	36.89	900	J
20.	Straight-chain alkane	38.06	770	J
21.	Unknown	39.62	940	J

SB-10B ✓

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59229

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: 55653

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1807

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

% Moisture: 34 decanted: (Y/N) N Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl) Ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-Di-n-Propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)Methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-Methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	500	U

700

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59229

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: 55653

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

Lab File ID: B1807

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.1

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol_____	1200	U
100-02-7-----4-Nitrophenol_____	1200	U
132-64-9-----Dibenzofuran_____	500	U
121-14-2-----2,4-Dinitrotoluene_____	500	U
84-66-2-----Diethylphthalate_____	500	U
7005-72-3-----4-Chlorophenyl-phenylether____	500	U
86-73-7-----Fluorene_____	500	U
100-01-6-----4-Nitroaniline_____	1200	U
534-52-1-----4,6-Dinitro-2-methylphenol____	1200	U
86-30-6-----N-Nitrosodiphenylamine (1)____	500	U
101-55-3-----4-Bromophenyl-phenylether____	500	U
118-74-1-----Hexachlorobenzene_____	500	U
87-86-5-----Pentachlorophenol_____	1200	U
85-01-8-----Phenanthrene_____	500	U
120-12-7-----Anthracene_____	500	U
86-74-8-----Carbazole_____	500	U
84-74-2-----Di-n-Butylphthalate_____	500	U
206-44-0-----Fluoranthene_____	500	U
129-00-0-----Pyrene_____	500	U
85-68-7-----Butylbenzylphthalate_____	500	U
91-94-1-----3,3'-Dichlorobenzidine_____	500	U
56-55-3-----Benzo (a) Anthracene_____	500	U
218-01-9-----Chrysene_____	500	U
117-81-7-----bis(2-Ethylhexyl) Phthalate____	82	J ✓
117-84-0-----Di-n-Octyl Phthalate_____	500	U
205-99-2-----Benzo (b) Fluoranthene_____	500	U
207-08-9-----Benzo (k) Fluoranthene_____	500	U
50-32-8-----Benzo (a) Pyrene_____	500	U
193-39-5-----Indeno (1, 2, 3-cd) Pyrene_____	500	U
53-70-3-----Dibenz (a, h) Anthracene_____	500	U
191-24-2-----Benzo (g, h, i) Perylene_____	500	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59229

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: 55653  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1807  
 Level: (low/med) LOW Date Received: 11/07/96  
 % Moisture: 34 decanted: (Y/N) N Date Extracted: 11/08/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/19/96  
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 12.1

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.00	700000	AJN
2.	Unknown	10.05	20000	J
3.	Unknown	10.18	1300	J
4.	Unknown	10.51	3700	J
5.	Unknown	10.66	1500	J
6.	Unknown	10.73	1000	J
7.	2-Fluorophenol acetate	11.10	830	J
8.	Unknown oxygenated hydrocarb	12.97	6800	J
9.	Unknown oxygenated hydrocarb	13.15	4000	J
10.	Unknown oxygenated hydrocarb	14.26	25000	J
11.	Straight-chain alkane	29.43	190	J
12.	Straight-chain alkane	30.14	380	J
13.	Straight-chain alkane	31.23	480	J
14.	Straight-chain alkane	32.27	260	J
15.	Straight-chain alkane	33.27	490	J
16.	Straight-chain alkane	34.24	440	J
17.	Straight-chain alkane	35.17	820	J
18.	Unknown	35.56	270	J
19.	Straight-chain alkane	36.12	430	J
20.	Straight-chain alkane	37.20	600	J
21.	Unknown hydrocarbon	41.43	220	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59229RE

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: 55653RE

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

Lab File ID: B1927

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.1

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	500	U
111-44-4-----bis(2-Chloroethyl) Ether	500	U
95-57-8-----2-Chlorophenol	500	U
541-73-1-----1,3-Dichlorobenzene	500	U
106-46-7-----1,4-Dichlorobenzene	500	U
95-50-1-----1,2-Dichlorobenzene	500	U
95-48-7-----2-Methylphenol	500	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	500	U
106-44-5-----4-Methylphenol	500	U
621-64-7-----N-Nitroso-Di-n-Propylamine	500	U
67-72-1-----Hexachloroethane	500	U
98-95-3-----Nitrobenzene	500	U
78-59-1-----Isophorone	500	U
88-75-5-----2-Nitrophenol	500	U
105-67-9-----2,4-Dimethylphenol	500	U
111-91-1-----bis(2-Chloroethoxy)Methane	500	U
120-83-2-----2,4-Dichlorophenol	500	U
120-82-1-----1,2,4-Trichlorobenzene	500	U
91-20-3-----Naphthalene	500	U
106-47-8-----4-Chloroaniline	500	U
87-68-3-----Hexachlorobutadiene	500	U
59-50-7-----4-Chloro-3-Methylphenol	500	U
91-57-6-----2-Methylnaphthalene	500	U
77-47-4-----Hexachlorocyclopentadiene	500	U
88-06-2-----2,4,6-Trichlorophenol	500	U
95-95-4-----2,4,5-Trichlorophenol	1200	U
91-58-7-----2-Chloronaphthalene	500	U
88-74-4-----2-Nitroaniline	1200	U
131-11-3-----Dimethylphthalate	500	U
208-96-8-----Acenaphthylene	500	U
606-20-2-----2,6-Dinitrotoluene	500	U
99-09-2-----3-Nitroaniline	1200	U
83-32-9-----Acenaphthene	500	U

FORM I SV-1

12/91

783

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59229RE
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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: 55653RE

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

Lab File ID: B1927

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.1

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	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	500	U
121-14-2-----	2,4-Dinitrotoluene	500	U
84-66-2-----	Diethylphthalate	500	U
7005-72-3-----	4-Chlorophenyl-phenylether	500	U
86-73-7-----	Fluorene	500	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	500	U
101-55-3-----	4-Bromophenyl-phenylether	500	U
118-74-1-----	Hexachlorobenzene	500	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	500	U
120-12-7-----	Anthracene	500	U
86-74-8-----	Carbazole	500	U
84-74-2-----	Di-n-Butylphthalate	500	U
206-44-0-----	Fluoranthene	500	U
129-00-0-----	Pyrene	500	U
85-68-7-----	Butylbenzylphthalate	500	U
91-94-1-----	3,3'-Dichlorobenzidine	500	U
56-55-3-----	Benzo(a)Anthracene	500	U
218-01-9-----	Chrysene	500	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	500	U
117-84-0-----	Di-n-Octyl Phthalate	500	U
205-99-2-----	Benzo(b)Fluoranthene	500	U
207-08-9-----	Benzo(k)Fluoranthene	500	U
50-32-8-----	Benzo(a)Pyrene	500	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	500	U
53-70-3-----	Dibenz(a,h)Anthracene	500	U
191-24-2-----	Benzo(g,h,i)Perylene	500	U

(1) - Cannot be separated from Diphenylamine



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59229RE

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: 55653RE

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

Lab File ID: B1927

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.1

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

Number TICs found: 16

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	5.85	83000	JNA
2.	Unknown	8.07	3400	J
3.	Unknown	8.23	150	J
4.	Unknown	8.56	700	BJ
5.	2-Fluorophenol acetate	10.64	160	J
6.	Unknown oxygenated hydrocarb	13.62	5000	J
7.	2-Chlorophenol-d4 acetate	13.70	210	J
8.	Straight-chain alkane	29.66	270	J
9.	Straight-chain alkane	30.74	260	J
10.	Straight-chain alkane	31.78	190	J
11.	Straight-chain alkane	32.78	340	J
12.	Straight-chain alkane	33.75	950	J
13.	Straight-chain alkane	34.68	1600	J
14.	Straight-chain alkane	35.58	830	J
15.	Straight-chain alkane	36.58	670	J
16.	Striaght-chain alkane	37.70	390	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59232

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996B

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55655

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

Lab File ID: B1808

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 52 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.2

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	690	U
111-44-4-----	bis(2-Chloroethyl) Ether	690	U
95-57-8-----	2-Chlorophenol	690	U
541-73-1-----	1,3-Dichlorobenzene	690	U
106-46-7-----	1,4-Dichlorobenzene	690	U
95-50-1-----	1,2-Dichlorobenzene	690	U
95-48-7-----	2-Methylphenol	690	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	690	U
106-44-5-----	4-Methylphenol	690	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	690	U
67-72-1-----	Hexachloroethane	690	U
98-95-3-----	Nitrobenzene	690	U
78-59-1-----	Isophorone	690	U
88-75-5-----	2-Nitrophenol	690	U
105-67-9-----	2,4-Dimethylphenol	690	U
111-91-1-----	bis(2-Chloroethoxy) Methane	690	U
120-83-2-----	2,4-Dichlorophenol	690	U
120-82-1-----	1,2,4-Trichlorobenzene	690	U
91-20-3-----	Naphthalene	690	U
106-47-8-----	4-Chloroaniline	690	U
87-68-3-----	Hexachlorobutadiene	690	U
59-50-7-----	4-Chloro-3-Methylphenol	690	U
91-57-6-----	2-Methylnaphthalene	690	U
77-47-4-----	Hexachlorocyclopentadiene	690	U
88-06-2-----	2,4,6-Trichlorophenol	690	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	690	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	690	U
208-96-8-----	Acenaphthylene	690	U
606-20-2-----	2,6-Dinitrotoluene	690	U
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	690	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59232

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996B

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55655

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

Lab File ID: B1808

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 52 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.2

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	690	U
121-14-2-----	2,4-Dinitrotoluene	690	U
84-66-2-----	Diethylphthalate	690	U
7005-72-3-----	4-Chlorophenyl-phenylether	690	U
86-73-7-----	Fluorene	690	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	690	U
101-55-3-----	4-Bromophenyl-phenylether	690	U
118-74-1-----	Hexachlorobenzene	690	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	690	U
120-12-7-----	Anthracene	690	U
86-74-8-----	Carbazole	690	U
84-74-2-----	Di-n-Butylphthalate	690	U
206-44-0-----	Fluoranthene	690	U
129-00-0-----	Pyrene	690	U
85-68-7-----	Butylbenzylphthalate	690	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo(a)Anthracene	690	U
218-01-9-----	Chrysene	690	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	160	J ✓
117-84-0-----	Di-n-Octyl Phthalate	690	U
205-99-2-----	Benzo(b) Fluoranthene	690	U
207-08-9-----	Benzo(k) Fluoranthene	690	U
50-32-8-----	Benzo(a) Pyrene	690	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	690	U
53-70-3-----	Dibenz(a,h) Anthracene	690	U
191-24-2-----	Benzo(g,h,i) Perylene	690	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59232

Lab Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996B

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55655

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

Lab File ID: B1808

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 52 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.2

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	6.00	360000	AJN
2.	Unknown	11.00	5900	J
3.	Unknown	11.30	1400	J
4.	Unknown	11.43	710	J
5.	Unknown	12.50	1200	J
6.	Unknown	13.42	2700	J
7.	Unknown oxygenated hydrocarb	13.55	9400	J
8.	Unknown oxygenated hydrocarb	13.88	14000	J
9.	Unknown oxygenated hydrocarb	14.24	100000	J
10.	Unknown oxygenated hydrocarb	15.61	820	J
11.	Unknown carboxylic acid	26.19	700	J
12.	Unknown PAH	27.53	330	J
13.	Unknown carboxylic acid	28.41	440	J
14. 57-11-4	Octadecanoic acid	28.65	620	JN
15.	Unknown	31.01	1700	J
16.	Unknown hydrocarbon	31.23	760	J
17.	Straight-chain alkane	33.27	1100	J
18.	Straight-chain alkane	34.24	1200	J
19.	Straight-chain alkane	35.17	1600	J
20.	Straight-chain alkane	36.13	570	J
21.	Straight-chain alkane	37.19	1200	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59232RE

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: 55655RE  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1928  
 Level: (low/med) LOW Date Received: 11/07/96  
 % Moisture: 52 decanted: (Y/N) N Date Extracted: 11/23/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/26/96  
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 12.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	690	U
111-44-4-----	bis (2-Chloroethyl) Ether	690	U
95-57-8-----	2-Chlorophenol	690	U
541-73-1-----	1,3-Dichlorobenzene	690	U
106-46-7-----	1,4-Dichlorobenzene	690	U
95-50-1-----	1,2-Dichlorobenzene	690	U
95-48-7-----	2-Methylphenol	690	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	690	U
106-44-5-----	4-Methylphenol	690	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	690	U
67-72-1-----	Hexachloroethane	690	U
98-95-3-----	Nitrobenzene	690	U
78-59-1-----	Isophorone	690	U
88-75-5-----	2-Nitrophenol	690	U
105-67-9-----	2,4-Dimethylphenol	690	U
111-91-1-----	bis (2-Chloroethoxy) Methane	690	U
120-83-2-----	2,4-Dichlorophenol	690	U
120-82-1-----	1,2,4-Trichlorobenzene	690	U
91-20-3-----	Naphthalene	690	U
106-47-8-----	4-Chloroaniline	690	U
87-68-3-----	Hexachlorobutadiene	690	U
59-50-7-----	4-Chloro-3-Methylphenol	690	U
91-57-6-----	2-Methylnaphthalene	690	U
77-47-4-----	Hexachlorocyclopentadiene	690	U
88-06-2-----	2,4,6-Trichlorophenol	690	U
95-95-4-----	2,4,5-Trichlorophenol	1700	U
91-58-7-----	2-Chloronaphthalene	690	U
88-74-4-----	2-Nitroaniline	1700	U
131-11-3-----	Dimethylphthalate	690	U
208-96-8-----	Acenaphthylene	690	U
606-20-2-----	2,6-Dinitrotoluene	690	U
99-09-2-----	3-Nitroaniline	1700	U
83-32-9-----	Acenaphthene	690	U

FORM I SV-1

12/91

871

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59232RE

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: 55655RE

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

Lab File ID: B1928

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 52 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.2

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	1700	U
100-02-7-----	4-Nitrophenol	1700	U
132-64-9-----	Dibenzofuran	690	U
121-14-2-----	2,4-Dinitrotoluene	690	U
84-66-2-----	Diethylphthalate	690	U
7005-72-3-----	4-Chlorophenyl-phenylether	690	U
86-73-7-----	Fluorene	690	U
100-01-6-----	4-Nitroaniline	1700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	690	U
101-55-3-----	4-Bromophenyl-phenylether	690	U
118-74-1-----	Hexachlorobenzene	690	U
87-86-5-----	Pentachlorophenol	1700	U
85-01-8-----	Phenanthrene	690	U
120-12-7-----	Anthracene	690	U
86-74-8-----	Carbazole	690	U
84-74-2-----	Di-n-Butylphthalate	690	U
206-44-0-----	Fluoranthene	690	U
129-00-0-----	Pyrene	690	U
85-68-7-----	Butylbenzylphthalate	690	U
91-94-1-----	3,3'-Dichlorobenzidine	690	U
56-55-3-----	Benzo (a) Anthracene	690	U
218-01-9-----	Chrysene	690	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	690	U
117-84-0-----	Di-n-Octyl Phthalate	690	U
205-99-2-----	Benzo (b) Fluoranthene	690	U
207-08-9-----	Benzo (k) Fluoranthene	690	U
50-32-8-----	Benzo (a) Pyrene	690	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	690	U
53-70-3-----	Dibenz (a,h) Anthracene	690	U
191-24-2-----	Benzo (g,h,i) Perylene	690	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59232RE

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: 55655RE

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

Lab File ID: B1928

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 52 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.2

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====				
1. 123-42-2	Aldol condensation product	5.97	180000	AJN
2.	Unknown	8.94	6000	J
3.	Unknown	9.15	430	BJ
4.	Unknown	9.63	610	J
5.	2-Fluorophenol acetate	10.40	140	J
6.	Unknown	12.37	200	J
7.	Unknown oxygenated hydrocarb	12.64	9300	J
8.	Unknown oxygenated hydrocarb	13.14	3100	J
9.	Unknown oxygenated hydrocarb	13.57	8500	J
10.	Straight-chain alkane	20.54	200	J
11.	Straight-chain alkane	22.05	320	J
12.	Straight-chain alkane	24.83	210	J
13.	Straight-chain alkane	29.66	280	J
14.	Unknown	30.50	1200	J
15.	Straight-chain alkane	30.75	690	J
16.	Straight-chain alkane	31.79	3600	J
17.	Straight-chain alkane	32.78	380	J
18.	Straight-chain alkane	33.75	300	J
19.	Straight-chain alkane	34.68	750	J
20.	Straight-chain alkane	35.59	520	J
21.	Straight-chain alkane	36.57	560	J

SB-12B ✓

DEC SAMPLE NO.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59235

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: 55657\_

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

Lab File ID: B1809

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.2

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	770	U
111-44-4-----	bis(2-Chloroethyl) Ether	770	U
95-57-8-----	2-Chlorophenol	770	U
541-73-1-----	1,3-Dichlorobenzene	770	U
106-46-7-----	1,4-Dichlorobenzene	770	U
95-50-1-----	1,2-Dichlorobenzene	770	U
95-48-7-----	2-Methylphenol	770	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	770	U
106-44-5-----	4-Methylphenol	770	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	770	U
67-72-1-----	Hexachloroethane	770	U
98-95-3-----	Nitrobenzene	770	U
78-59-1-----	Isophorone	770	U
88-75-5-----	2-Nitrophenol	770	U
105-67-9-----	2,4-Dimethylphenol	770	U
111-91-1-----	bis(2-Chloroethoxy)Methane	770	U
120-83-2-----	2,4-Dichlorophenol	770	U
120-82-1-----	1,2,4-Trichlorobenzene	770	U
91-20-3-----	Naphthalene	770	U
106-47-8-----	4-Chloroaniline	770	U
87-68-3-----	Hexachlorobutadiene	770	U
59-50-7-----	4-Chloro-3-Methylphenol	770	U
91-57-6-----	2-Methylnaphthalene	770	U
77-47-4-----	Hexachlorocyclopentadiene	770	U
88-06-2-----	2,4,6-Trichlorophenol	770	U
95-95-4-----	2,4,5-Trichlorophenol	1900	U
91-58-7-----	2-Chloronaphthalene	770	U
88-74-4-----	2-Nitroaniline	1900	U
131-11-3-----	Dimethylphthalate	770	U
208-96-8-----	Acenaphthylene	770	U
606-20-2-----	2,6-Dinitrotoluene	770	U
99-09-2-----	3-Nitroaniline	1900	U
83-32-9-----	Acenaphthene	770	U

FORM I SV-1

12/91

927



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59235

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: 55657\_

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

Lab File ID: B1809

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.2

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	770	U
121-14-2-----	2,4-Dinitrotoluene	770	U
84-66-2-----	Diethylphthalate	770	U
7005-72-3-----	4-Chlorophenyl-phenylether	770	U
86-73-7-----	Fluorene	770	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	770	U
101-55-3-----	4-Bromophenyl-phenylether	770	U
118-74-1-----	Hexachlorobenzene	770	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	770	U
120-12-7-----	Anthracene	770	U
86-74-8-----	Carbazole	770	U
84-74-2-----	Di-n-Butylphthalate	770	U
206-44-0-----	Fluoranthene	99	J ✓
129-00-0-----	Pyrene	770	U
85-68-7-----	Butylbenzylphthalate	770	U
91-94-1-----	3,3'-Dichlorobenzidine	770	U
56-55-3-----	Benzo(a)Anthracene	770	U
218-01-9-----	Chrysene	770	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	95	J ✓
117-84-0-----	Di-n-Octyl Phthalate	770	U
205-99-2-----	Benzo(b)Fluoranthene	770	U
207-08-9-----	Benzo(k)Fluoranthene	770	U
50-32-8-----	Benzo(a)Pyrene	770	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	770	U
53-70-3-----	Dibenz(a,h)Anthracene	770	U
191-24-2-----	Benzo(g,h,i)Perylene	770	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

12/91

928

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59235

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: 55657\_

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

Lab File ID: B1809

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.2

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.00	1800000	AJN
2.	Unknown	9.87	49000	J
3.	Unknown	10.00	4200	J
4.	Unknown	10.17	930	J
5.	Unknown	10.51	1500	J
6.	Unknown	10.55	960	J
7.	2-Fluorophenol acetate	10.96	3800	J
8.	Unknown	12.96	2600	J
9.	Unknown oxygenated hydrocarb	13.04	8400	J
10.	Unknown oxygenated hydrocarb	13.22	9700	J
11.	Unknown oxygenated hydrocarb	13.55	8100	J
12.	Unknown oxygenated hydrocarb	14.14	62000	J
13.	Straight-chain alkane	30.13	910	J
14.	Unknown	31.01	2200	J
15.	Straight-chain alkane	31.22	1700	J
16.	Straight-chain alkane	33.27	1500	J
17.	Straight-chain alkane	34.22	760	J
18.	Straight-chain alkane	35.16	1200	J
19.	Unknown	35.56	1100	J
20.	Straight-chain alkane	36.12	1300	J
21.	Straight-chain alkane	37.19	880	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59235RE

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: 55657RE

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

Lab File ID: B1929

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/27/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 12.2

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	770	U
111-44-4-----bis(2-Chloroethyl) Ether	770	U
95-57-8-----2-Chlorophenol	770	U
541-73-1-----1,3-Dichlorobenzene	770	U
106-46-7-----1,4-Dichlorobenzene	770	U
95-50-1-----1,2-Dichlorobenzene	770	U
95-48-7-----2-Methylphenol	770	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	770	U
106-44-5-----4-Methylphenol	770	U
621-64-7-----N-Nitroso-Di-n-Propylamine	770	U
67-72-1-----Hexachloroethane	770	U
98-95-3-----Nitrobenzene	770	U
78-59-1-----Isophorone	770	U
88-75-5-----2-Nitrophenol	770	U
105-67-9-----2,4-Dimethylphenol	770	U
111-91-1-----bis(2-Chloroethoxy) Methane	770	U
120-83-2-----2,4-Dichlorophenol	770	U
120-82-1-----1,2,4-Trichlorobenzene	770	U
91-20-3-----Naphthalene	770	U
106-47-8-----4-Chloroaniline	770	U
87-68-3-----Hexachlorobutadiene	770	U
59-50-7-----4-Chloro-3-Methylphenol	770	U
91-57-6-----2-Methylnaphthalene	770	U
77-47-4-----Hexachlorocyclopentadiene	770	U
88-06-2-----2,4,6-Trichlorophenol	770	U
95-95-4-----2,4,5-Trichlorophenol	1900	U
91-58-7-----2-Chloronaphthalene	770	U
88-74-4-----2-Nitroaniline	1900	U
131-11-3-----Dimethylphthalate	770	U
208-96-8-----Acenaphthylene	770	U
606-20-2-----2,6-Dinitrotoluene	770	U
99-09-2-----3-Nitroaniline	1900	U
83-32-9-----Acenaphthene	770	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59235RE
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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: 55657RE

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

Lab File ID: B1929

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/27/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.2

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

CAS NO.

COMPOUND

51-28-5-----	2,4-Dinitrophenol	1900	U
100-02-7-----	4-Nitrophenol	1900	U
132-64-9-----	Dibenzofuran	770	U
121-14-2-----	2,4-Dinitrotoluene	770	U
84-66-2-----	Diethylphthalate	770	U
7005-72-3-----	4-Chlorophenyl-phenylether	770	U
86-73-7-----	Fluorene	770	U
100-01-6-----	4-Nitroaniline	1900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	770	U
101-55-3-----	4-Bromophenyl-phenylether	770	U
118-74-1-----	Hexachlorobenzene	770	U
87-86-5-----	Pentachlorophenol	1900	U
85-01-8-----	Phenanthrene	770	U
120-12-7-----	Anthracene	770	U
86-74-8-----	Carbazole	770	U
84-74-2-----	Di-n-Butylphthalate	770	U
206-44-0-----	Fluoranthene	93	J
129-00-0-----	Pyrene	63	J
85-68-7-----	Butylbenzylphthalate	770	U
91-94-1-----	3,3'-Dichlorobenzidine	770	U
56-55-3-----	Benzo(a)Anthracene	770	U
218-01-9-----	Chrysene	770	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	770	U
117-84-0-----	Di-n-Octyl Phthalate	770	U
205-99-2-----	Benzo(b)Fluoranthene	770	U
207-08-9-----	Benzo(k)Fluoranthene	770	U
50-32-8-----	Benzo(a)Pyrene	770	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	770	U
53-70-3-----	Dibenz(a,h)Anthracene	770	U
191-24-2-----	Benzo(g,h,i)Perylene	770	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

12/91

965

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59235RE

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: 55657RE

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

Lab File ID: B1929

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 57 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/27/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.2

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	5.82	190000	AJN
2.	Unknown oxygenated hydrocarb	7.89	300	J
3.	Unknown	8.30	6600	J
4.	Unknown	8.66	980	BJ
5.	Unknown oxygenated hydrocarb	12.80	1300	J
6.	Unknown oxygenated hydrocarb	13.56	3800	J
7.	2-Chlorophenol-d4 acetate	13.66	190	J
8.	Straight-chain alkane	23.48	530	J
9.	Unknown carboxylic acid	25.68	280	J
10.	Straight-chain alkane	28.54	190	J
11.	Straight-chain alkane	28.95	720	J
12.	Straight-chain alkane	29.66	950	J
13.	Unknown	30.49	1500	J
14.	Straight-chain alkane	30.74	1400	J
15.	Straight-chain alkane	31.78	320	J
16.	Straight-chain alkane	32.77	1200	J
17.	Straight-chain alkane	33.75	1000	J
18.	Straight-chain alkane	34.67	810	J
19.	Unknown	35.05	830	J
20.	Straight-chain alkane	35.58	930	J
21.	Straight-chain alkane	36.56	520	J

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59238

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: 55661

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

Lab File ID: B1810

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.1

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

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59238

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: 55661

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

Lab File ID: B1810

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 11.1

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

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	5.92	37000	AJN
2.	Unknown	7.64	1000	BJ
3.	Unknown	8.44	870	BJ
4.	2-Fluorophenol acetate	10.83	220	J
5.	Unknown	13.02	130	J
6.	Unknown oxygenated hydrocarb	13.89	200	J
7.	2-Chlorophenol-d5 actate	14.07	280	J
8.	Straight-chain alkane	27.82	180	J
9.	Unknown	28.33	460	J
10.	Straight-chain alkane	29.00	170	J
11.	Straight-chain alkane	29.43	610	J
12.	Straight-chain alkane	30.14	990	J
13.	Straight-chain alkane	31.22	1100	J
14.	Straight-chain alkane	32.26	340	J
15.	Straight-chain alkane	33.26	1000	J
16.	Straight-chain alkane	34.23	1000	J
17.	Straight-chain alkane	35.15	900	J
18.	Unknown hydrocarbon	35.55	830	J
19.	Straight-chain alkane	36.12	1000	J
20.	Straight-chain alkane	37.17	870	J
21.	Straight-chain alkane	38.39	1300	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59238

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: 55661

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

Lab File ID: B1810

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 11/08/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/19/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.1

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	440	U
111-44-4-----	bis(2-Chloroethyl) Ether	440	U
95-57-8-----	2-Chlorophenol	440	U
541-73-1-----	1,3-Dichlorobenzene	440	U
106-46-7-----	1,4-Dichlorobenzene	440	U
95-50-1-----	1,2-Dichlorobenzene	440	U
95-48-7-----	2-Methylphenol	440	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5-----	4-Methylphenol	440	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	440	U
67-72-1-----	Hexachloroethane	440	U
98-95-3-----	Nitrobenzene	440	U
78-59-1-----	Isophorone	440	U
88-75-5-----	2-Nitrophenol	440	U
105-67-9-----	2,4-Dimethylphenol	440	U
111-91-1-----	bis(2-Chloroethoxy)Methane	440	U
120-83-2-----	2,4-Dichlorophenol	440	U
120-82-1-----	1,2,4-Trichlorobenzene	440	U
91-20-3-----	Naphthalene	440	U
106-47-8-----	4-Chloroaniline	440	U
87-68-3-----	Hexachlorobutadiene	440	U
59-50-7-----	4-Chloro-3-Methylphenol	440	U
91-57-6-----	2-Methylnaphthalene	440	U
77-47-4-----	Hexachlorocyclopentadiene	440	U
88-06-2-----	2,4,6-Trichlorophenol	440	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	440	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	440	U
208-96-8-----	Acenaphthylene	440	U
606-20-2-----	2,6-Dinitrotoluene	440	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	440	U

FORM I SV-1

12/91



SB-125 ✓

DEC SAMPLE NO.

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A59248

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: 55659

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

Lab File ID: B1842

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 24 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: 12.2

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

CAS NO.

COMPOUND

Q

108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl) Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	U

FORM I SV-1

12/91

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59248

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: 55659

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

Lab File ID: B1842

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 24 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: 12.2

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	1100	U
100-02-7-----4-Nitrophenol	1100	U
132-64-9-----Dibenzofuran	430	U
121-14-2-----2,4-Dinitrotoluene	430	U
84-66-2-----Diethylphthalate	430	U
7005-72-3-----4-Chlorophenyl-phenylether	430	U
86-73-7-----Fluorene	430	U
100-01-6-----4-Nitroaniline	1100	U
534-52-1-----4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----N-Nitrosodiphenylamine (1)	430	U
101-55-3-----4-Bromophenyl-phenylether	430	U
118-74-1-----Hexachlorobenzene	430	U
87-86-5-----Pentachlorophenol	1100	U
85-01-8-----Phenanthrene	98	J ✓
120-12-7-----Anthracene	430	U
86-74-8-----Carbazole	430	U
84-74-2-----Di-n-Butylphthalate	430	U ✓
206-44-0-----Fluoranthene	130	J ✓
129-00-0-----Pyrene	68	J ✓
85-68-7-----Butylbenzylphthalate	430	U
91-94-1-----3,3'-Dichlorobenzidine	430	U
56-55-3-----Benzo(a)Anthracene	430	U ✓
218-01-9-----Chrysene	54	J ✓
117-81-7-----bis(2-Ethylhexyl)Phthalate	60	J ✓
117-84-0-----Di-n-Octyl Phthalate	430	U ✓
205-99-2-----Benzo(b)Fluoranthene	72	J ✓
207-08-9-----Benzo(k)Fluoranthene	430	U
50-32-8-----Benzo(a)Pyrene	430	U
193-39-5-----Indeno(1,2,3-cd)Pyrene	430	U
53-70-3-----Dibenz(a,h)Anthracene	430	U
191-24-2-----Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59248

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: 55659

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

Lab File ID: B1842

Level: (low/med) LOW

Date Received: 11/07/96

% Moisture: 24 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: 12.2

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	5.89	120000	JNA
2.	Unknown	8.59	4900	J
3.	Unknown	8.94	450	J
4.	Unknown oxygenated hydrocarb	13.07	620	J
5.	Unknown oxygenated hydrocarb	13.30	2800	J
6.	Unknown oxygenated hydrocarb	13.86	3100	J
7.	Straight-chain alkane	15.81	370	J
8.	Straight-chain alkane	17.62	390	J
9.	Straight-chain alkane	20.89	450	J
10.	Branched-chain alkane	21.63	310	J
11.	Straight-chain alkane	22.41	850	J
12.	Branched-chain alkane	22.49	390	J
13.	Straight-chain alkane	23.83	660	J
14.	Straight-chain alkane	25.18	350	J
15.	Straight-chain alkane	26.47	290	J
16.	Straight-chain alkane	28.90	430	J
17.	Unknown	30.86	1300	J
18.	Straight-chain alkane	33.15	420	J
19.	Straight-chain alkane	34.10	440	J
20.	Straight-chain alkane	35.05	570	J
21.	Straight-chain alkane	37.02	600	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-1  
Waste  
DEC SAMPLE NO. ✓

A59237

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: 55576

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1765

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

% Moisture: 25 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: 12.4

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	440	U
111-44-4	bis(2-Chloroethyl) Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59237

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: 55576

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

Lab File ID: B1765

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 25 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: 12.4

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	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	100	J ✓
120-12-7-----	Anthracene	440	U
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-Butylphthalate	440	U
206-44-0-----	Fluoranthene	220	J ✓
129-00-0-----	Pyrene	110	J ✓
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo (a) Anthracene	82	J ✓
218-01-9-----	Chrysene	97	J ✓
117-81-7-----	bis(2-Ethylhexyl) Phthalate	440	U
117-84-0-----	Di-n-Octyl Phthalate	440	U ✓
205-99-2-----	Benzo (b) Fluoranthene	120	J ✓
207-08-9-----	Benzo (k) Fluoranthene	440	U
50-32-8-----	Benzo (a) Pyrene	68	J ✓
193-39-5-----	Indeno (1,2,3-cd) Pyrene	440	U
53-70-3-----	Dibenz (a,h) Anthracene	440	U
191-24-2-----	Benzo (g,h,i) Perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59237

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55576

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

Lab File ID: B1765

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 25 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: 12.4

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.18	1300000	JNA
2.	Unknown	11.81	15000	J
3.	Unknown	11.89	1600	J
4.	Unknown	12.06	7700	J
5.	Unknown	12.16	3600	J
6.	Phenol-d5 acetate	12.42	1100	J
7.	Unknown	12.55	4300	J
8.	Unknown	12.85	890	J
9.	Unknown oxygenated hydrocarb	13.06	11000	J
10.	Unknown	13.15	1600	J
11.	Unknown oxygenated hydrocarb	13.21	5900	J
12.	Unknown oxygenated hydrocarb	13.34	1900	J
13.	Unknown oxygenated hydrocarb	14.40	120000	J
14.	Unknown oxygenated hydrocarb	14.77	960	J
15.	Unknown oxygenated hydrocarb	15.79	1500	J
16.	Straight-chain alkane	29.65	250	J
17.	Straight-chain alkane	31.45	690	J
18.	Unknown oxgenated hydrocarbo	33.93	1400	J
19.	Straight-chain alkane	34.46	890	J
20.	Straight-chain alkane	35.41	990	J
21.	Straight-chain alkane	36.04	660	J



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59266

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: 55577

Sample wt/vol: 30.0 (g/mL) G      Lab File ID: B1833

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

% Moisture: 25      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: 12.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	100	J ✓
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	440	U
206-44-0	Fluoranthene	180	J ✓
129-00-0	Pyrene	92	J ✓
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo (a) Anthracene	72	J ✓
218-01-9	Chrysene	89	J ✓
117-81-7	bis(2-Ethylhexyl) Phthalate	440	U
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo (b) Fluoranthene	120	J ✓
207-08-9	Benzo (k) Fluoranthene	440	U
50-32-8	Benzo (a) Pyrene	69	J ✓
193-39-5	Indeno (1,2,3-cd) Pyrene	440	U
53-70-3	Dibenz (a,h) Anthracene	440	U
191-24-2	Benzo (g,h,i) Perylene	440	U

(1) - Cannot be separated from Diphenylamine



1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59266

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: 55577

Sample wt/vol: 30.0 (g/mL) G      Lab File ID: B1833

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

% Moisture: 25      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: 12.4

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	Aldol condensation product	5.97	2100000	AJN
2.	Unknown	10.63	44000	J
3.	Unknown	10.73	4800	J
4.	Unknown	11.09	13000	J
5.	Unknown	11.60	4000	J
6.	Unknown	11.98	3300	J
7.	Unknown oxygenated hydrocarb	12.24	5600	J
8.	Unknown oxygenated hydrocarb	13.04	9300	J
9.	Unknown oxygenated hydrocarb	13.11	14000	J
10.	Unknown oxygenated hydrocarb	14.16	150000	J
11.	Straight-chain alkane	29.34	400	J
12.	Straight-chain alkane	30.03	290	J
13.	Straight-chain alkane	30.45	450	J
14.	Straight-chain alkane	31.13	320	J
15.	Straight-chain alkane	31.51	540	J
16.	Straight-chain alkane	32.17	250	J
17.	Straight-chain alkane	33.16	860	J
18.	Straight-chain alkane	34.13	770	J
19.	Straight-chain alkane	35.05	2400	J
20.	Straight-chain alkane	36.01	1300	J
21.	Unknown hydrocarbon	37.07	1100	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59266RE

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: 55577RE

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

Lab File ID: B1921

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.4

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	440	U
111-44-4-----bis(2-Chloroethyl) Ether	440	U
95-57-8-----2-Chlorophenol	440	U
541-73-1-----1,3-Dichlorobenzene	440	U
106-46-7-----1,4-Dichlorobenzene	440	U
95-50-1-----1,2-Dichlorobenzene	440	U
95-48-7-----2-Methylphenol	440	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	440	U
106-44-5-----4-Methylphenol	440	U
621-64-7-----N-Nitroso-Di-n-Propylamine	440	U
67-72-1-----Hexachloroethane	440	U
98-95-3-----Nitrobenzene	440	U
78-59-1-----Isophorone	440	U
88-75-5-----2-Nitrophenol	440	U
105-67-9-----2,4-Dimethylphenol	440	U
111-91-1-----bis(2-Chloroethoxy)Methane	440	U
120-83-2-----2,4-Dichlorophenol	440	U
120-82-1-----1,2,4-Trichlorobenzene	440	U
91-20-3-----Naphthalene	440	U
106-47-8-----4-Chloroaniline	440	U
87-68-3-----Hexachlorobutadiene	440	U
59-50-7-----4-Chloro-3-Methylphenol	440	U
91-57-6-----2-Methylnaphthalene	440	U
77-47-4-----Hexachlorocyclopentadiene	440	U
88-06-2-----2,4,6-Trichlorophenol	440	U
95-95-4-----2,4,5-Trichlorophenol	1100	U
91-58-7-----2-Chloronaphthalene	440	U
88-74-4-----2-Nitroaniline	1100	U
131-11-3-----Dimethylphthalate	440	U
208-96-8-----Acenaphthylene	440	U
606-20-2-----2,6-Dinitrotoluene	440	U
99-09-2-----3-Nitroaniline	1100	U
83-32-9-----Acenaphthene	440	U

FORM I SV-1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59266RE

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55577RE

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

Lab File ID: B1921

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.4

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	64	J
120-12-7-----	Anthracene	440	U
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-Butylphthalate	440	U
206-44-0-----	Fluoranthene	96	J
129-00-0-----	Pyrene	58	J
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo (a) Anthracene	440	U
218-01-9-----	Chrysene	59	J
117-81-7-----	bis(2-Ethylhexyl) Phthalate	440	U
117-84-0-----	Di-n-Octyl Phthalate	440	U
205-99-2-----	Benzo (b) Fluoranthene	70	J
207-08-9-----	Benzo (k) Fluoranthene	440	U
50-32-8-----	Benzo (a) Pyrene	440	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	440	U
53-70-3-----	Dibenz (a,h) Anthracene	440	U
191-24-2-----	Benzo (g,h,i) Perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59266RE

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: 55577RE  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1921  
 Level: (low/med) LOW Date Received: 11/06/96  
 % Moisture: 25 decanted: (Y/N) N Date Extracted: 11/23/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/26/96  
 Injection Volume: 2.0(uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 12.4

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.85	78000	JNA
2.	Unknown	7.40	270	J
3.	Unknown	7.84	3300	J
4.	Unknown	8.41	260	BJ
5.	Unknown	9.33	170	J
6.	2-Fluorophenol acetate	10.59	190	J
7.	Unknown oxygenated hydrocarb	13.30	160	J
8.	Unknown oxygenated hydrocarb	13.65	2200	J
9.	2-Chlorophenol-d4 acetate	13.78	190	J
10.	Straight-chain alkane	20.67	150	J
11.	Straight-chain alkane	22.17	230	J
12.	Branched-chain alkane	22.26	170	J
13.	Straight-chain alkane	23.58	200	J
14.	Straight-chain alkane	24.95	150	J
15.	Straight-chain alkane	29.78	170	J
16.	Straight-chain alkane	32.90	170	J
17.	Straight-chain alkane	33.86	300	J
18.	Straight-chain alkane	34.81	860	J
19.	Straight-chain alkane	35.72	350	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59267

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55578

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

Lab File ID: B1766

Level: (low/med) LOW

Date Received: 11/06/96

% Moisture: 35 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: 12.3

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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-----	Napthalene	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-Methylnapthalene	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-Chloronapthalene	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

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59267

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: 55578

Sample wt/vol: 30.0 (g/mL) G      Lab File ID: B1766

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

% Moisture: 35      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: 12.3

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

CAS NO.      COMPOUND      Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	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	280	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	230	J
129-00-0-----	Pyrene	190	J
85-68-7-----	Butylbenzylphthalate	510	U
91-94-1-----	3,3'-Dichlorobenzidine	510	U
56-55-3-----	Benzo (a) Anthracene	81	J
218-01-9-----	Chrysene	96	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	83	J
207-08-9-----	Benzo (k) Fluoranthene	59	J
50-32-8-----	Benzo (a) Pyrene	72	J
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.

A59267

b Name: E & E INC.

Contract: C003181

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

Matrix: (soil/water) SOIL      Lab Sample ID: 55578

Sample wt/vol: 30.0 (g/mL) G      Lab File ID: B1766

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

% Moisture: 35      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: 12.3

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	6.23	370000	AJN
2.	Unknown	10.20	9400	J
3.	Unknown	10.33	880	J
4.	Unknown	10.68	1500	J
5.	Unknown	10.81	1000	J
6.	Unknown	10.89	520	J
7.	2-Fluorophenol acetate	11.24	1100	J
8.	Unknown	11.29	220	J
9.	Phenol-d5 acetate	11.35	480	J
10.	Unknown oxygenated hydrocarb	13.16	4300	J
11.	Unknown oxygenated hydrocarb	13.26	1300	J
12.	Unknown oxygenated hydrocarb	13.44	1700	J
13.	Unknown oxygenated hydrocarb	14.36	7800	J
14.	Straight-chain alkane	25.51	670	J
15.	Unknown carboxylic acid	26.41	770	J
16.	Unknown PAH	27.76	1800	J
17.	Unknown hydrocarbon	28.62	1100	J
18.	Straight-chain alkane	29.24	980	J
19.	Straight-chain alkane	31.46	2000	J
20. 2136-70-1	Ethanol, 2-(tetradecyloxy) -	32.49	720	JN
21.	Unknown hydrocarbon	39.23	320	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59267RE

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55578RE

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

Lab File ID: B1922

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.3

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	J
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

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59267RE

Name: E & E INC.

Contract: C003181

Lab Code: EANDE

Case No.: SH996

SAS No.:

SDG No.: 1104

Matrix: (soil/water) SOIL

Lab Sample ID: 55578RE

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

Lab File ID: B1922

Level: (low/med) LOW

Date Received: 11/06/96

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

Date Extracted: 11/23/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/26/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 12.3

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

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol_____	1200	U
100-02-7-----4-Nitrophenol_____	1200	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_____	130	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_____	130	J
129-00-0-----Pyrene_____	70	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_____	510	U
117-81-7-----bis (2-Ethylhexyl) Phthalate_____	510	U
117-84-0-----Di-n-Octyl Phthalate_____	510	U
205-99-2-----Benzo (b) Fluoranthene_____	510	U
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.

A59267RE

Name: E & E INC. Contract: C003181  
 Lab Code: EANDE Case No.: SH996 SAS No.: SDG No.: 1104  
 Matrix: (soil/water) SOIL Lab Sample ID: 55578RE  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1922  
 Level: (low/med) LOW Date Received: 11/06/96  
 % Moisture: 35 decanted: (Y/N) N Date Extracted: 11/23/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/26/96  
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 12.3

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	Aldol condensation product	5.84	41000	JNA
2.	Unknown	7.48	1600	J
3.	Unknown	7.77	330	J
4.	Unknown	8.20	410	JB
5.	Unknown	9.31	720	JB
6.	2-Fluorophenol acetate	10.55	180	J
7.	Unknown	10.62	320	J
8.	Unknown oxygenated hydrocarb	13.60	810	J
9.	2-Chlorophenol-d4 acetate	13.76	220	J
10.	Unknown carboxylic acid	23.09	150	J
11.	Straight-chain alkane	23.60	110	J
12.	Straight-chain alkane	24.95	120	J
13.	Unknown PAH	25.71	190	J
14.	Unknown carboxylic acid	25.81	220	J
15.	Straight-chain alkane	26.24	350	J
16.	Straight-chain alkane	29.79	430	J
17.	Straight-chain alkane	30.87	610	J
18.	Straight-chain alkane	31.91	160	J
19.	Straight-chain alkane	32.91	800	J
20.	Straight-chain alkane	33.87	1700	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DEC SAMPLE NO.

A59261

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: 54906  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1680  
 Level: (low/med) LOW Date Received: 10/25/96  
 % Moisture: 38 decanted: (Y/N) N Date Extracted: 10/28/96  
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/07/96  
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 11.5

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

A59261
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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: 54906

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B1680

Level: (low/med) LOW Date Received: 10/25/96

% Moisture: 38 decanted: (Y/N) N Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/07/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.5

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	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	530	U
120-12-7	Anthracene	530	U
86-74-8	Carbazole	530	U
84-74-2	Di-n-Butylphthalate	530	U
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	530	U
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	530	U
56-55-3	Benzo (a) Anthracene	530	U
218-01-9	Chrysene	530	U
117-81-7	bis (2-Ethylhexyl) Phthalate	140	BJ ✓
117-84-0	Di-n-Octyl Phthalate	530	U
205-99-2	Benzo (b) Fluoranthene	530	U
207-08-9	Benzo (k) Fluoranthene	530	U
50-32-8	Benzo (a) Pyrene	530	U
193-39-5	Indeno (1,2,3-cd) Pyrene	530	U
53-70-3	Dibenz (a,h) Anthracene	530	U
191-24-2	Benzo (g,h,i) Perylene	530	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

DEC SAMPLE NO.

A59261

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: 54906

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

Lab File ID: B1680

Level: (low/med) LOW

Date Received: 10/25/96

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

Date Extracted: 10/28/96

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/07/96

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 11.5

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

Number TICs found: 16

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Xylene isomer	7.58	340	JB
2.	Unknown	8.50	2300	JB
3.	Unknown	8.77	160	J
4.	Unknown	9.18	360	JB
5.	Unknown	10.30	140	J
6.	2-fluorophenyl acetate	11.53	260	J
7.	Unknown	11.64	270	J
8.	Unknown	14.59	720	J
9.	Unknown	14.75	240	J
10.	Unknown	29.08	110	J
11.	Unknown	29.33	140	J
12.	Unknown	35.71	230	J
13.	Unknown	35.92	570	J
14.	Unknown	36.35	620	JB
15.	Straight-chain alkane	36.94	240	J
16.	Straight-chain alkane	39.49	180	J

TABLE 11-3

WASTE SAMPLES Inorganic Compounds (mg/kg)										
Parameter	TAGM 4046	BACKGROUND	SB-1B 4-6'	SB-2B 4-6'	SB-3B 6-8'	SB-4B 2-4'	SB-6B 7-8'	SB-7B 14-16'	SB-8B 15-17'	SB-9B 10-12'
Aluminum	SB	33000	19300	13300	11000	18200	24900	14500	13800	18600
Antimony	SB	N/A	1.3	59.8	72.4	98.7	185	22.2	19.3	94.7
Arsenic	7.5 or SB	3-12	7.8	0.60	0.67	<del>17.6</del>	0.64	0.66	0.84	0.57
Barium	300 or SB	15-600	75.0	48.9	302	157	234	18.9	34.5	53.2
Beryllium	0.16 or SB	0.1-75	1.4	0.06	0.26	0.51	0.06	0.06	0.08	0.13
Cadmium	1 or SB	0.1-1	0.55	0.60	<del>1.4</del>	<del>3.6</del>	<del>2.8</del>	0.66	0.84	0.80
Chromium	10 or SB	1.5-40	40.8	2630	2980	4140	7550	858	748	3270
Cobalt	30 or SB	2.5-60	4.7	5.7	10.2	132	41.5	1.1	2.5	6.0
Copper	25 or SB	1-50	57.7	18.2	44.0	196	173	4.2E	5.4E	9.5E
Iron		2000-555000	14900	7540	7390	29600	19900	798	791	3070
Lead	SB	200-500	21.6	3.6	110	21.6	0.73	0.76	0.96	0.65
Magnesium	SB	100-5000	27700	55300	49100	29900	27100	69900	47700	78800
Manganese	SB	50-5000	826E	347E	2060E	<del>73300E</del>	4260E	186	169	260
Mercury	0.1	0.001-0.2	0.07	0.05	0.14	0.08	0.10	0.07N	0.07N	0.06N
Nickel	13 or SB	0.5-25	<del>132</del>	X 17.6	<del>8.6</del>	<del>5.9</del>	<del>12.0</del>	0.32	0.40	6.7
Potassium	SB	8500-43000	597	74.9	51.0	39.6	48.8	50.6E	63.8E	43.4E
Selenium	2 or SB	0.1-3.9	X 2.2	1.3	X 2.2	<del>40.4</del>	<del>16.9</del>	X 2.0	1.8	1.2
Silver	SB	N/A	0.26N	0.28N	0.32N	11.9N	5.5N	0.32N	0.40N	0.27N
Sodium	SB	6000-8000	484	36.3	41.1	31.9	39.3	40.8	51.4	35.0
Thallium	SB	N/A	0.78	1.1	1.7	31.7	0.91	0.95	1.2	0.81
Vanadium	150 or SB	1-300	21.4	36.7	37.4	X 168	X 278	36.6	26.3	45.0
Zinc	20 or SB	9-50	<del>132</del>	19.2	<del>229</del>	X 42.1	18.4	6.5	10.5	23.8
Hexavalent Chrome			0.47N	13.5N	1.0N	11.8N	19.8N	2.9	4.7	68.7

Note: Detected Compounds Only

bold  
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bold  
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**TABLE (Cont)**

**WASTE SOIL SAMPLES**  
Inorganic Compounds (mg/kg)

Parameter	TAGM 4046	BACKGROUND	SB-9B DUP	SB-10B 18-20'	SB-11B 10-12'	SB-12B 16-18'	SB-12D 18-20'	SB-12E 4-6'
Aluminum	SB	33000	15900	14600	18000	14800	11700	20000
Antimony	SB	N/A	90.8	45.9	26.6	40.0	2.7	182
Arsenic	7.5 or SB	3-12	0.59	0.63	0.86	0.97	5.2	0.55
Barium	300 or SB	15-600	34.4	20.3	22.5	147	283	X 348
Beryllium	0.16 or SB	0.1-75	0.06	0.06	0.08	0.15	X 0.53	0.14
Cadmium	1 or SB	0.1-1	0.59	0.63	0.86	0.97	0.55	0.55
Chromium	10 or SB	1.5-40	2970	1230	760	1080	83.3	4690
Cobalt	30 or SB	2.5-60	4.9	3.6	3.4	4.3	10.2	8.3
Copper	25 or SB	1-50	7.5E	6.2	1.8	7.3	17.2	15.6
Iron		2000-555000	2840	1210	668	2660	20300	6130
Lead	SB	200-500	0.68	0.72	0.98	1.7	4.2	0.63
Magnesium	SB	100-5000	84900	72200	56700	55700	12600	57600
Manganese	SB	50-5000	301	230E	269E	963E	622E	1440E
Mercury	0.1	0.001-0.2	0.06N	0.06	0.07	0.10	0.05	0.05
Nickel	13 or SB	0.5-25	3.2	1.4	2.0	2.2	13.7	X 23.5
Potassium	SB	8500-43000	45.3E	47.7	65.4	73.9	1790	42.0
Selenium	2 or SB	0.1-3.9	1.7	X 3.1	X 2.5	X 2.1	1.7	1.6
Silver	SB	N/A	0.28N	0.30N	0.41N	0.46N	0.26N	0.26N
Sodium	SB	6000-8000	36.5	38.5	52.7	59.6	34.1	33.8
Thallium	SB	N/A	0.85	0.89	1.2	1.4	0.79	0.79
Vanadium	150 or SB	1-300	47.1	54.6	28.2	33.4	23.9	62.2
Zinc	20 or SB	9-50	17.5	5.7	4.7	15.8	X 40.8	14.5
Hexavalent Chrome				1.0N	13.5N	X 55.5N	0.08N	1.24N

*PRD only*

Note: Detected Compounds Only

**TABLE (Cont)**

**WASTE SOIL SAMPLES**  
Inorganic Compounds (mg/kg)

Parameter	TAGM 40/46	BACKGROUND	TP-1	TP-1 DUP	TP-2	MW-4 6-8'			
Aluminum	SB	33000	13100	16000	16200	17400			
Antimony	SB	N/A	63.3	78.6	46.6	45.1			
Arsenic	7.5 or SB	3-12	0.55	0.56	0.64	1.4			
Barium	300 or SB	15-600	34.1	43.6	27.7	25			
Beryllium	0.16 or SB	0-1.75	0.05	0.05	0.09	0.06			
Cadmium	1 or SB	0.1-1	0.55	0.78	0.64	0.65			
Chromium	10 or SB	1.5-40	2140	2620	1590	1350			
Cobalt	30 or SB	2.5-60	4.6	5.1	4.0	4.8			
Copper	25 or SB	1-50	11.3E	16.4E	11.0E	6			
Iron		2000-555000	2790	3440	2890	1480			
Lead	SB	200-500	1.7	2.7	1.7	0.75			
Magnesium	SB	100-5000	55400	65600	70400	90200			
Manganese	SB	50-5000	331	476	251	342			
Mercury	0.1	0.001-0.2	0.06N	0.05N	0.16N	0.07			
Nickel	13 or SB	0.5-25	5.5	13.1	0.31	10.4			
Potassium	SB	8500-43000	41.7E	42.7E	49.1E	49.9			
Selenium	2 or SB	0.1-3.9	1.8	2.5	1.6	1.4			
Silver	SB	N/A	0.26N	0.27N	0.31N	0.34			
Sodium	SB	6000-8000	33.6	34.4	39.6	40.2			
Thallium	SB	N/A	0.78	0.80	0.92	0.97			
Vanadium	150 or SB	1-300	56.4	64.8	45.6	48.6			
Zinc	20 or SB	9-50	13.2	16.1	26.2	16.7			
Hexavalent Chrome			26.8	99.2	13.4	2.7			

Note: Detected Compounds Only



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WASTE SAMPLES Inorganic Compounds (mg/kg)										
Parameter	TAGM 4046	BACKGROUND	SB-1B 4-6'	SB-2B 4-6'	SB-3B 6-8'	SB-4B 2-4'	SB-6B 7-8'	SB-7B 14-16'	SB-8B 15-17'	SB-9B 10-12'
Aluminum	SB	33000	19300	13300	11000	18200	24900	14500	13800	18600
Antimony	SB	N/A	1.3	59.8	72.4	98.7	185	22.2	19.3	94.7
Arsenic	7.5 or SB	3-12	7.8	0.60	0.67	17.6	0.64	0.66	0.84	0.57
Barium	300 or SB	15-600	75.0	48.9	302	157	234	18.9	34.5	53.2
Beryllium	0.16 or SB	0-1.75	1.4	0.06	0.26	0.51	0.06	0.06	0.08	0.13
Cadmium	1 or SB	0.1-1	0.55	0.60	1.4	3.6	2.8	0.66	0.84	0.80
Chromium	10 or SB	1.5-40	40.8	2630	2980	4140	7550	858	748	3270
Cobalt	30 or SB	2.5-60	4.7	5.7	10.2	132	41.5	1.1	2.5	6.0
Copper	25 or SB	1-50	57.7	18.2	44.0	196	77.3	4.2E	5.4E	9.5E
Iron		2000-555000	14900	7540	7390	29600	<del>19900</del> 14900	798	791	3070
Lead	SB	200-500	21.6	3.6	110	21.6	0.73	0.76	0.96	0.65
Magnesium	SB	100-5000	<del>54700</del> 2700	55300	49100	29900	27100	69900	47700	78800
Manganese	SB	50-5000	826E	347E	2060E	78300E	4260E	186	169	260
Mercury	0.1	0.001-0.2	0.07	0.05	0.14	0.08	0.10	0.07N	0.07N	0.06N
Nickel	13 or SB	0.5-25	25.2	17.6	45.6	597	1220	0.32	0.40	6.7
Potassium	SB	8500-43000	597	74.9	51.0	39.6	48.8	50.6E	63.8E	43.4E
Selenium	2 or SB	0.1-3.9	2.2	1.3	2.2	40.4	16.9	2.0	1.8	1.2
Silver	SB	N/A	0.26N	0.28N	0.32N	11.9N	5.5N	0.32N	0.40N	0.27N
Sodium	SB	6000-8000	484	36.3	41.1	31.9	39.3	40.8	51.4	35.0
Thallium	SB	N/A	0.78	1.1	1.7	31.7	0.91	0.95	1.2	0.81
Vanadium	150 or SB	1-300	21.4	36.7	37.4	168	278	36.6	26.3	45.0
Zinc	20 or SB	9-30	132	19.2	229	42.1	18.4	6.5	10.5	23.8
Hexavalent Chrome			0.47N	13.5N	1.0N	11.8N	19.8N	2.9	4.7	68.7

**WASTE SOIL SAMPLES**  
Inorganic Compounds (mg/kg)

Parameter	TAGM 4046	BACKGROUND	SB-9B DUP	SB-10B 18-20'	SB-11B 10-12'	SB-12B 16-18'	SB-12D 18-20'	SB-12E 4-6'
Aluminum	SB	33000	15900	14600	18000	14800	11700	20000
Antimony	SB	N/A	90.8	45.9	26.6	40.0	2.7	182
Arsenic	7.5 or SB	3-12	0.59	0.63	0.86	0.97	5.2	0.55
Barium	300 or SB	15-600	34.4	20.3	22.5	147	283	348
Beryllium	0.16 or SB	0-1.75	0.06	0.06	0.08	0.15	0.53	0.14
Cadmium	1 or SB	0.1-1	0.59	0.63	0.86	0.97	0.55	0.55
Chromium	10 or SB	1.5-40	2970	1230	760	1080	83.3	4690
Cobalt	30 or SB	2.5-60	4.9	3.6	3.4	4.3	10.2	8.3
Copper	25 or SB	1-50	7.5E	6.2	1.8	7.3	17.2	15.6
Iron		2000-555000	2840	1210	668	2660	20300	6130
Lead	SB	200-500	0.68	0.72	0.98	1.7	4.2	0.63
Magnesium	SB	100-5000	84900	72200	56700	55700	12600	57600
Manganese	SB	50-5000	301	230E	269E	963E	622E	1440E
Mercury	0.1	0.001-0.2	0.06N	0.06	0.07	0.10	0.05	0.05
Nickel	13 or SB	0.5-25	3.2	1.4	2.0	2.2	13.7	23.5
Potassium	SB	8500-43000	45.3E	47.7	65.4	73.9	1790	42.0
Selenium	2 or SB	0.1-3.9	1.7	3.1	2.5	2.1	1.7	1.6
Silver	SB	N/A	0.28N	0.30N	0.41N	0.46N	0.26N	0.26N
Sodium	SB	6000-8000	36.5	38.5	52.7	59.6	34.1	33.8
Thallium	SB	N/A	0.85	0.89	1.2	1.4	0.79	0.79
Vanadium	150 or SB	1-300	47.1	54.6	28.2	33.4	23.9	62.2
Zinc	20 or SB	9-50	17.5	5.7	4.7	15.8	40.8	14.5
Hexavalent Chrome				1.0N	13.5N	55.5N	0.08N	124N

**WASTE SOIL SAMPLES**  
Inorganic Compounds (mg/kg)

Parameter	TAGM 40/46	BACKGROUND	TP-1	TP-1 DUP	TP-2	MW-4 6-8'			
Aluminum	SB	33000	13100	16000	16200	17400			
Antimony	SB	N/A	63.3	78.6	46.6	45.1			
Arsenic	7.5 or SB	3-12	0.55	0.56	0.64	1.4			
Barium	300 or SB	15-600	34.1	43.6	27.7	25			
Beryllium	0.16 or SB	0-1.75	0.05	0.05	0.09	0.06			
Cadmium	1 or SB	0.1-1	0.55	0.78	0.64	0.65			
Chromium	10 or SB	1.5-40	2140	2620	1590	1350			
Cobalt	30 or SB	2.5-60	4.6	5.1	4.0	4.8			
Copper	25 or SB	1-50	11.3E	16.4E	11.0E	6			
Iron		2000-555000	2790	3440	2890	1480			
Lead	SB	200-500	1.7	2.7	1.7	0.75			
Magnesium	SB	100-5000	55400	65600	70400	90200			
Manganese	SB	50-5000	331	476	251	342			
Mercury	0.1	0.001-0.2	0.06N	0.05N	0.16N	0.07			
Nickel	13 or SB	0.5-25	5.5	13.1	0.31	10.4			
Potassium	SB	8500-43000	41.7E	42.7E	49.1E	49.9			
Selenium	2 or SB	0.1-3.9	1.8	2.5	1.6	1.4			
Silver	SB	N/A	0.26N	0.27N	0.31N	0.34			
Sodium	SB	6000-8000	33.6	34.4	39.6	40.2			
Thallium	SB	N/A	0.78	0.80	0.92	0.97			
Vanadium	150 or SB	1-300	56.4	64.8	45.6	48.6			
Zinc	20 or SB	9-50	13.2	16.1	26.2	16.7			
Hexavalent Chrome			26.8	99.2	13.4	2.7			

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59202

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: 55441

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

% Solids: 76.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19300	-	-	P
7440-36-0	Antimony	1.3	U	-	P
7440-38-2	Arsenic	7.8	-	*	P
7440-39-3	Barium	75.0	-	*	P
7440-41-7	Beryllium	1.4	-	-	P
7440-43-9	Cadmium	0.55	U	-	P
7440-70-2	Calcium	171000	-	-	P
7440-47-3	Chromium	40.8	-	-	P
7440-48-4	Cobalt	4.7	B	-	P
7440-50-8	Copper	57.7	-	-	P
7439-89-6	Iron	14900	-	-	P
7439-92-1	Lead	21.6	-	*	P
7439-95-4	Magnesium	27700	-	-	P
7439-96-5	Manganese	826	-	E*	P
7439-97-6	Mercury	0.07	U	-	CV
7440-02-0	Nickel	25.2	-	-	P
7440-09-7	Potassium	597	B	-	P
7782-49-2	Selenium	2.2	-	-	P
7440-22-4	Silver	0.26	U	N	P
7440-23-5	Sodium	484	B	-	P
7440-28-0	Thallium	0.78	U	-	P
7440-62-2	Vanadium	21.4	-	-	P
7440-66-6	Zinc	132	-	-	P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59205

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: 55442

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

% Solids: 69.6

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	59.8	-	-	P
7440-38-2	Arsenic	0.60	U	*	P
7440-39-3	Barium	48.9	B	*	P
7440-41-7	Beryllium	0.06	B	-	P
7440-43-9	Cadmium	0.60	U	-	P
7440-70-2	Calcium	178000	-	-	P
7440-47-3	Chromium	2630	-	-	P
7440-48-4	Cobalt	5.7	B	-	P
7440-50-8	Copper	18.2	-	-	P
7439-89-6	Iron	7540	-	-	P
7439-92-1	Lead	3.6	-	*	P
7439-95-4	Magnesium	55300	-	-	P
7439-96-5	Manganese	347	-	E*	P
7439-97-6	Mercury	0.05	U	-	CV
7440-02-0	Nickel	17.6	-	-	P
7440-09-7	Potassium	74.9	B	-	P
7782-49-2	Selenium	1.3	U	-	P
7440-22-4	Silver	0.28	U	N	P
7440-23-5	Sodium	36.3	U	-	P
7440-28-0	Thallium	1.1	B	-	P
7440-62-2	Vanadium	36.7	-	-	P
7440-66-6	Zinc	19.2	-	-	P

Color Before: Clarity Before: Texture: CY

Color After: Y Clarity After: C Artifacts: YES

Comments:



1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59208

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: 55492

Level (low/med): LOW Date Received: 11/05/96

% Solids: 62.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	72.4			P
7440-38-2	Arsenic	0.67	U	*	P
7440-39-3	Barium	302		*	P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	154000			P
7440-47-3	Chromium	2980			P
7440-48-4	Cobalt	10.2	B		P
7440-50-8	Copper	44.0			P
7439-89-6	Iron	7390			P
7439-92-1	Lead	110		*	P
7439-95-4	Magnesium	49100			P
7439-96-5	Manganese	2060		E*	P
7439-97-6	Mercury	0.14	B		CV
7440-02-0	Nickel	45.6			P
7440-09-7	Potassium	51.0	U		P
7782-49-2	Selenium	2.2			P
7440-22-4	Silver	0.32	U	N	P
7440-23-5	Sodium	41.1	U		P
7440-28-0	Thallium	1.7	B		P
7440-62-2	Vanadium	37.4			P
7440-66-6	Zinc	229			P

Color Before: Clarity Before: Texture: CY/G

Color After: YL Clarity After: C Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59211

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: 55494

Level (low/med): LOW Date Received: 11/05/96

% Solids: 80.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18200			P
7440-36-0	Antimony	98.7			P
7440-38-2	Arsenic	17.6		*	P
7440-39-3	Barium	157		*	P
7440-41-7	Beryllium	0.51	B		P
7440-43-9	Cadmium	3.6			P
7440-70-2	Calcium	241000			P
7440-47-3	Chromium	4140			P
7440-48-4	Cobalt	132			P
7440-50-8	Copper	196			P
7439-89-6	Iron	29600			P
7439-92-1	Lead	21.6		*	P
7439-95-4	Magnesium	29900			P
7439-96-5	Manganese	78300		E*	P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	597			P
7440-09-7	Potassium	39.6	U		P
7782-49-2	Selenium	40.4			P
7440-22-4	Silver	11.9		N	P
7440-23-5	Sodium	31.9	U		P
7440-28-0	Thallium	31.7			P
7440-62-2	Vanadium	168			P
7440-66-6	Zinc	42.1			P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59217

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: 55497

Level (low/med): LOW Date Received: 11/05/96

% Solids: 65.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24900	-		P
7440-36-0	Antimony	185	-		P
7440-38-2	Arsenic	0.64	U	*	P
7440-39-3	Barium	234	-	*	P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	2.8	-		P
7440-70-2	Calcium	293000	-		P
7440-47-3	Chromium	7550	-		P
7440-48-4	Cobalt	41.5	-		P
7440-50-8	Copper	77.3	-		P
7439-89-6	Iron	19900	-		P
7439-92-1	Lead	0.73	U	*	P
7439-95-4	Magnesium	27100	-		P
7439-96-5	Manganese	4260	-	E*	P
7439-97-6	Mercury	0.10	B		CV
7440-02-0	Nickel	1220	-		P
7440-09-7	Potassium	48.8	U		P
7782-49-2	Selenium	16.9	-		P
7440-22-4	Silver	5.5	-	N	P
7440-23-5	Sodium	39.3	U		P
7440-28-0	Thallium	0.91	U		P
7440-62-2	Vanadium	278	-		P
7440-66-6	Zinc	18.4	-		P

Color Before: Clarity Before: Texture: G

Color After: Y Clarity After: C Artifacts: YES

Comments:

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SB-7B ✓

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59220

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: 55570

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

% Solids: 63.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14500	-		P
7440-36-0	Antimony	22.2	-		P
7440-38-2	Arsenic	0.66	U		P
7440-39-3	Barium	18.9	B		P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.66	U		P
7440-70-2	Calcium	194000	-		P
7440-47-3	Chromium	858	-		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	4.2	B	E	P
7439-89-6	Iron	798	-		P
7439-92-1	Lead	0.76	U		P
7439-95-4	Magnesium	69900	-		P
7439-96-5	Manganese	186	-	*	P
7439-97-6	Mercury	0.07	U	N	CV
7440-02-0	Nickel	0.32	U		P
7440-09-7	Potassium	50.6	U	E	P
7782-49-2	Selenium	2.0	-		P
7440-22-4	Silver	0.32	U	N	P
7440-23-5	Sodium	40.8	U		P
7440-28-0	Thallium	0.95	U		P
7440-62-2	Vanadium	36.6	-		P
7440-66-6	Zinc	6.5	-		P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts: YES

Comments:

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

59220

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: 55570

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

% Solids: 63.3

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Cr+6	2.9			P

Color Before: CL Clarity Before: C Texture:

Color After: CL Clarity After: C Artifacts:

Comments:  
 CLIENT\_SAMPLE\_ID#\_A59220

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59223

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: 55572

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

% Solids: 48.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13800	-		P
7440-36-0	Antimony	19.3	B		P
7440-38-2	Arsenic	0.84	U		P
7440-39-3	Barium	34.5	B		P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.84	U		P
7440-70-2	Calcium	259000	-		P
7440-47-3	Chromium	748	-		P
7440-48-4	Cobalt	2.5	B		P
7440-50-8	Copper	5.4	B	E	P
7439-89-6	Iron	791	-		P
7439-92-1	Lead	0.96	U		P
7439-95-4	Magnesium	47700	-		P
7439-96-5	Manganese	169	-	*	P
7439-97-6	Mercury	0.07	U	N	CV
7440-02-0	Nickel	0.40	U		P
7440-09-7	Potassium	63.8	U	E	P
7782-49-2	Selenium	1.8	U		P
7440-22-4	Silver	0.40	U	N	P
7440-23-5	Sodium	51.4	U		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	26.3	-		P
7440-66-6	Zinc	10.5	-		P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts: YES

Comments:





1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59226

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: 55574

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

% Solids: 71.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18600	-	-	P
7440-36-0	Antimony	94.7	-	-	P
7440-38-2	Arsenic	0.57	U	-	P
7440-39-3	Barium	53.2	B	-	P
7440-41-7	Beryllium	0.13	B	-	P
7440-43-9	Cadmium	0.80	B	-	P
7440-70-2	Calcium	189000	-	-	P
7440-47-3	Chromium	3270	-	-	P
7440-48-4	Cobalt	6.0	B	-	P
7440-50-8	Copper	9.5	-	E	P
7439-89-6	Iron	3070	-	-	P
7439-92-1	Lead	0.65	U	-	P
7439-95-4	Magnesium	78800	-	-	P
7439-96-5	Manganese	260	-	*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	6.7	B	-	P
7440-09-7	Potassium	43.4	U	E	P
7782-49-2	Selenium	1.2	U	-	P
7440-22-4	Silver	0.27	U	N	P
7440-23-5	Sodium	35.0	U	-	P
7440-28-0	Thallium	0.81	U	-	P
7440-62-2	Vanadium	45.0	-	-	P
7440-66-6	Zinc	23.8	-	-	P

Color Before: Clarity Before: Texture: G

Color After: CL Clarity After: CL Artifacts: YES

Comments:



SB-9B ✓

DUP

NYSDEC ASP

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59269

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: 55579

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

% Solids: 69.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15900	-	-	P
7440-36-0	Antimony	90.8	-	-	P
7440-38-2	Arsenic	0.59	U	-	P
7440-39-3	Barium	34.4	B	-	P
7440-41-7	Beryllium	0.06	U	-	P
7440-43-9	Cadmium	0.59	U	-	P
7440-70-2	Calcium	214000	-	-	P
7440-47-3	Chromium	2970	-	-	P
7440-48-4	Cobalt	4.9	B	-	P
7440-50-8	Copper	7.5	-	E	P
7439-89-6	Iron	2840	-	-	P
7439-92-1	Lead	0.68	U	-	P
7439-95-4	Magnesium	84900	-	-	P
7439-96-5	Manganese	301	-	*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	3.2	B	-	P
7440-09-7	Potassium	45.3	U	E	P
7782-49-2	Selenium	1.7	-	-	P
7440-22-4	Silver	0.28	U	N	P
7440-23-5	Sodium	36.5	U	-	P
7440-28-0	Thallium	0.85	U	-	P
7440-62-2	Vanadium	47.1	-	-	P
7440-66-6	Zinc	17.5	-	-	P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts:

Comments:

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59229

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: 55653

Level (low/med): LOW\_\_

Date Received: 11/07/96

% Solids: 66.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14600	-		P
7440-36-0	Antimony	45.9	-		P
7440-38-2	Arsenic	0.63	U	*	P
7440-39-3	Barium	20.3	B	*	P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	0.63	U		P
7440-70-2	Calcium	213000	-		P
7440-47-3	Chromium	1230	-		P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	6.2	B		P
7439-89-6	Iron	1210	-		P
7439-92-1	Lead	0.72	U	*	P
7439-95-4	Magnesium	72200	-		P
7439-96-5	Manganese	230	-	E*	P
7439-97-6	Mercury	0.06	U		CV
7440-02-0	Nickel	1.4	U		P
7440-09-7	Potassium	47.7	U		P
7782-49-2	Selenium	3.1	-		P
7440-22-4	Silver	0.30	U	N	P
7440-23-5	Sodium	38.5	U		P
7440-28-0	Thallium	0.89	U		P
7440-62-2	Vanadium	54.6	-		P
7440-66-6	Zinc	5.7	B		P

Color Before: \_\_\_\_\_

Clarity Before: \_\_\_\_\_

Texture: CY \_\_\_\_\_

Color After: CL \_\_\_\_\_

Clarity After: C \_\_\_\_\_

Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59232

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: 55655

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

% Solids: 47.5

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	26.6			P
7440-38-2	Arsenic	0.86	U	*	P
7440-39-3	Barium	22.5	B	*	P
7440-41-7	Beryllium	0.08	U		P
7440-43-9	Cadmium	0.86	U		P
7440-70-2	Calcium	287000			P
7440-47-3	Chromium	760			P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	668			P
7439-92-1	Lead	0.98	U	*	P
7439-95-4	Magnesium	56700			P
7439-96-5	Manganese	269		E*	P
7439-97-6	Mercury	0.07	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	65.4	U		P
7782-49-2	Selenium	2.5			P
7440-22-4	Silver	0.41	U	N	P
7440-23-5	Sodium	52.7	U		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	28.2			P
7440-66-6	Zinc	4.7	B		P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59235

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: 55657

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

% Solids: 43.3

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	40.0	-		P
7440-38-2	Arsenic	0.97	U	*	P
7440-39-3	Barium	147	-	*	P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.97	U		P
7440-70-2	Calcium	238000	-		P
7440-47-3	Chromium	1080	-		P
7440-48-4	Cobalt	4.3	B		P
7440-50-8	Copper	7.3	B		P
7439-89-6	Iron	2660	-		P
7439-92-1	Lead	1.7	-	*	P
7439-95-4	Magnesium	55700	-		P
7439-96-5	Manganese	963	-	E*	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.2	U		P
7440-09-7	Potassium	73.9	U		P
7782-49-2	Selenium	2.1	U		P
7440-22-4	Silver	0.46	U	N	P
7440-23-5	Sodium	59.6	U		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	33.4	-		P
7440-66-6	Zinc	15.8	-		P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59238

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: 55661

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

% Solids: 75.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700			P
7440-36-0	Antimony	2.7	B		P
7440-38-2	Arsenic	5.2		*	P
7440-39-3	Barium	283		*	P
7440-41-7	Beryllium	0.53	B		P
7440-43-9	Cadmium	0.55	U		P
7440-70-2	Calcium	91900			P
7440-47-3	Chromium	83.3			P
7440-48-4	Cobalt	10.2	B		P
7440-50-8	Copper	17.2			P
7439-89-6	Iron	20300			P
7439-92-1	Lead	4.2		*	P
7439-95-4	Magnesium	12600			P
7439-96-5	Manganese	622		E*	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	13.7			P
7440-09-7	Potassium	1790			P
7782-49-2	Selenium	1.7			P
7440-22-4	Silver	0.26	U	N	P
7440-23-5	Sodium	34.1	U		P
7440-28-0	Thallium	0.79	U		P
7440-62-2	Vanadium	23.9			P
7440-66-6	Zinc	40.8			P

Color Before: Clarity Before: Texture: CY

Color After: Y Clarity After: C Artifacts: YES

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59248

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: 55659

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

% Solids: 75.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20000	-		P
7440-36-0	Antimony	182	-		P
7440-38-2	Arsenic	0.55	U	*	P
7440-39-3	Barium	348	-	*	P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	0.55	U		P
7440-70-2	Calcium	206000	-		P
7440-47-3	Chromium	4690	-		P
7440-48-4	Cobalt	8.3	B		P
7440-50-8	Copper	15.6	-		P
7439-89-6	Iron	6130	-		P
7439-92-1	Lead	0.63	U	*	P
7439-95-4	Magnesium	57600	-		P
7439-96-5	Manganese	1440	-	E*	P
7439-97-6	Mercury	0.05	U		CV
7440-02-0	Nickel	23.5	-		P
7440-09-7	Potassium	42.0	U		P
7782-49-2	Selenium	1.6	-		P
7440-22-4	Silver	0.26	U	N	P
7440-23-5	Sodium	33.8	U		P
7440-28-0	Thallium	0.79	U		P
7440-62-2	Vanadium	62.2	-		P
7440-66-6	Zinc	14.5	-		P

Color Before: Clarity Before: Texture: CY/G

Color After: CL Clarity After: C Artifacts: YES

Comments:

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TP-1  
Waste



NYSDEC SAMPLE NO.

1  
INORGANIC ANALYSES DATA SHEET

A59237

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: 55576

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

% Solids: 75.2

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	63.3	-	-	P
7440-38-2	Arsenic	0.55	U	-	P
7440-39-3	Barium	34.1	B	-	P
7440-41-7	Beryllium	0.05	U	-	P
7440-43-9	Cadmium	0.55	U	-	P
7440-70-2	Calcium	177000	-	-	P
7440-47-3	Chromium	2140	-	-	P
7440-48-4	Cobalt	4.6	B	-	P
7440-50-8	Copper	11.3	-	E	P
7439-89-6	Iron	2790	-	-	P
7439-92-1	Lead	1.7	-	-	P
7439-95-4	Magnesium	55400	-	-	P
7439-96-5	Manganese	331	-	*	P
7439-97-6	Mercury	0.06	U	N	CV
7440-02-0	Nickel	5.5	B	-	P
7440-09-7	Potassium	41.7	U	E	P
7782-49-2	Selenium	1.8	-	-	P
7440-22-4	Silver	0.26	U	N	P
7440-23-5	Sodium	33.6	U	-	P
7440-28-0	Thallium	0.78	U	-	P
7440-62-2	Vanadium	56.4	-	-	P
7440-66-6	Zinc	13.2	-	-	P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts:

Comments:

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1.0





1  
INORGANIC ANALYSES DATA SHEET

A59266

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: 55577

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

% Solids: 74.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16000	-		P
7440-36-0	Antimony	78.6	-		P
7440-38-2	Arsenic	0.56	U		P
7440-39-3	Barium	43.6	B		P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	0.78	B		P
7440-70-2	Calcium	204000	-		P
7440-47-3	Chromium	2620	-		P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	16.4	-	E	P
7439-89-6	Iron	3440	-		P
7439-92-1	Lead	2.7	-		P
7439-95-4	Magnesium	65600	-		P
7439-96-5	Manganese	476	-	*	P
7439-97-6	Mercury	0.05	U	N	CV
7440-02-0	Nickel	13.1	-		P
7440-09-7	Potassium	42.7	U	E	P
7782-49-2	Selenium	2.5	-		P
7440-22-4	Silver	0.27	U	N	P
7440-23-5	Sodium	34.4	U		P
7440-28-0	Thallium	0.80	U		P
7440-62-2	Vanadium	64.8	-		P
7440-66-6	Zinc	16.1	-		P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts:

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59267

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: 55578

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

% Solids: 65.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16200	-	-	P
7440-36-0	Antimony	46.6	-	-	P
7440-38-2	Arsenic	0.64	U	-	P
7440-39-3	Barium	27.7	B	-	P
7440-41-7	Beryllium	0.09	B	-	P
7440-43-9	Cadmium	0.64	U	-	P
7440-70-2	Calcium	192000	-	-	P
7440-47-3	Chromium	1590	-	-	P
7440-48-4	Cobalt	4.0	B	-	P
7440-50-8	Copper	11.0	-	E	P
7439-89-6	Iron	2890	-	-	P
7439-92-1	Lead	1.7	-	-	P
7439-95-4	Magnesium	70400	-	-	P
7439-96-5	Manganese	251	-	*	P
7439-97-6	Mercury	0.16	-	N	CV
7440-02-0	Nickel	0.31	U	-	P
7440-09-7	Potassium	49.1	U	E	P
7782-49-2	Selenium	1.6	-	-	P
7440-22-4	Silver	0.31	U	N	P
7440-23-5	Sodium	39.6	U	-	P
7440-28-0	Thallium	0.92	U	-	P
7440-62-2	Vanadium	45.6	-	-	P
7440-66-6	Zinc	26.2	-	-	P

Color Before: Clarity Before: Texture: CY

Color After: CL Clarity After: C Artifacts:

Comments:



1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

A59261

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: 54906

Level (low/med): LOW Date Received: 10/25/96

% Solids: 62.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17400	-	-	P
7440-36-0	Antimony	45.1	-	-	P
7440-38-2	Arsenic	1.4	U	-	P
7440-39-3	Barium	25.0	B	E	P
7440-41-7	Beryllium	0.06	U	-	P
7440-43-9	Cadmium	0.65	U	-	P
7440-70-2	Calcium	214000	-	-	P
7440-47-3	Chromium	1350	-	N*	P
7440-48-4	Cobalt	4.8	B	-	P
7440-50-8	Copper	6.0	B	E	P
7439-89-6	Iron	1480	-	-	P
7439-92-1	Lead	0.75	U	*	P
7439-95-4	Magnesium	90200	-	-	P
7439-96-5	Manganese	342	-	*	P
7439-97-6	Mercury	0.07	U	-	CV
7440-02-0	Nickel	10.4	B	-	P
7440-09-7	Potassium	49.9	U	E	P
7782-49-2	Selenium	1.4	U	-	P
7440-22-4	Silver	0.34	U	N	P
7440-23-5	Sodium	40.2	U	-	P
7440-28-0	Thallium	0.97	U	-	P
7440-62-2	Vanadium	48.6	-	E	P
7440-66-6	Zinc	16.7	-	-	P
	Cyanide		-	-	NR

Color Before: Clarity Before: Texture: H

Color After: CL Clarity After: C Artifacts:

Comments:

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Table VIII-4

HAZARDOUS WASTE CHARACTERISTICS					
Waste Material					
Sample Location	Reactivity		Corrosivity pH	% Total Solids	Toxicity TCLP mg/l Chromium
	Cyanide Releasable mg/kg	Sulfide Releasable mg/kg			
SB-1B	ND	380	11	76	0.0015
SB-2B	NS	NS	NS	70	0.0072
SB-3B	ND	25	12	63	0.12
SB-4B	ND	ND	12	81	2.9
SB-6B	ND	ND	12	66	2.3
SB-7B	ND	72.7	12	63	0.012
SB-8B	ND	47.1	12	49	0.066
SB-9B	ND	32.1	12	72	0.71
SB-9B DUP	ND	4.5	12	70	
SB-10B	ND	ND	12	66	0.0066
SB-11B	ND	950	12	47	0.076
SB-12B	ND	ND	12	43	0.54
SB-12D	NS	NS	NS	75	
SB-12E	ND	ND	12	75	
TP-1	ND	ND	12	75	1.6
TP-1 DUP	ND	ND	12	75	
TP-2	ND	29.3	12	65	0.92
Green Waste	NS	NS	NS	NS	1.1

NS- No sample

ND- Not Detected

Cyanide Releasable Guidance Value- 250 mg/kg

Sulfide Releasable Guidance Value-250 mg/kg

Chromium TCLP standard- 5 mg/l



OK

HAZARDOUS WASTE CHARACTERISTICS					
Waste Material					
Sample Location	Reactivity		Corrosivity pH	% Total Solids	TCLP mg/l ↓ Chromium
	Cyanide Releasable mg/kg	Sulfide Releasable mg/kg			
SB-1B	ND	380	11	76	0.0015
SB-2B	NS	NS	NS	70	0.0072
SB-3B	ND	25	12	63	0.12 0.011
SB-4B	ND	ND	12	81	2.9
SB-6B	ND	ND	12	66	2.3
SB-7B	ND	72.7	12	63	0.012
SB-8B	ND	47.1	12	49	0.066
SB-9B	ND	32.1	12	72	0.71
SB-9B DUP	ND	4.5	12	70	—
SB-10B	ND	ND	12	66	0.0066
SB-11B	ND	950	12	47	0.076
SB-12B	ND	ND	12	43	0.54
SB-12D	NS	NS	NS	75	
SB-12E	ND	ND	12	75	
TP-1	ND	ND	12	75	1.6
TP-1 DUP	ND	ND	12	75	—
TP-2	ND	29.3	12	65	0.92

NS- No sample

ND-

Not Detected

Cyanide Releasable Guidance Value- 250 mg/kg

Sulfide Releasable Guidance Value- 500 mg/kg



# ecology and environment, inc.

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  - TCLP
  - TPH - BETX

TEST CODE :SPH 1

JOB NUMBER :9602.389

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : PH

UNITS : S.U.

PARAMETER : pH

SAMPLE ID	RESULTS	Q	QNT. LIMIT
SB-1B EE-96-55441 A59202	11 ✓		0.10
SB-2C EE-96-55443 A59206	10		0.10

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

TEST CODE :SPH 1 JOB NUMBER :9602.403  
Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC  
TEST NAME : PH UNITS : S.U.  
PARAMETER : pH

SB-3B

SB-4B

SB-6B

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-96-55492 A59208	12 ✓		0.10
EE-96-55494 A59211	12 ✓		0.10
EE-96-55497 A59217	12 ✓		0.10

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

TEST CODE :SPH 1

JOB NUMBER :9602.429

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : PH

UNITS : S.U.

PARAMETER : PH

SAMPLE ID	RESULTS	Q	QNT. LIMIT
SB-10B EE-96-55653 A59229	12	/	0.10
SB-11B EE-96-55655 A59232	12	/	0.10
SB-12B EE-96-55657 A59235	12	/	0.10
SB-12E EE-96-55659 A59248	12	/	0.10

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

NA = NOT APPLICABLE

TEST CODE : WPH 1

JOB NUMBER : 9602.429

ELAP ID : 10406

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : PH

UNITS : S.U.

PARAMETER : pH

SAMPLE ID RESULTS Q INT. LIMIT

MW-2B

EE-96-55642  
A59239 8.0 0.10

MW-3A

EE-96-55643  
A59240 7.1 0.10

MW-3B

EE-96-55644  
A59241 7.3 0.10

MW-4A

EE-96-55645  
A59242 7.1 0.10

MW-4B

EE-96-55646  
A59243 7.4 0.10

MW-5A

EE-96-55647  
A59244 7.2 0.10

MW-5B

EE-96-55648  
A59245 7.2 0.10

MW-7A

EE-96-55649  
A59246 7.7 0.10

MW-1B

EE-96-55651  
A59249 7.1 0.10

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



TEST CODE :SPH 1

JOB NUMBER :9602.415  
ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC  
TEST NAME : PH  
PARAMETER : pH

UNITS : S.U.

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-96-55570 A59220	12		0.10
EE-96-55572 A59223	12		0.10
EE-96-55574 A59226	12		0.10
EE-96-55576 A59237	12		0.10
EE-96-55577 A59266	12		0.10
EE-96-55578 A59267	12		0.10
EE-96-55579 A59269	12		0.10

SB-7B

SB-8B

SB-9B

TP-1

TP-1 DUP

TO-2

SB-9B DUP

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

ND = NOT DETECTED



TEST CODE :SCNTR 1

JOB NUMBER :9602.389

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

TEST NAME : CYANIDE - RELEASAB

PARAMETER : Cyanide Releasable

SAMPLE ID	RESULTS	Q	QNT. LIMIT
-----	-----	-	-----
SB-1B EE-96-55441 A59202	ND		0.66
-----			
SB-2C EE-96-55443 A59206	ND		0.62
-----			
METHOD BLANK	ND		0.50
-----			

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

NA = NOT APPLICABLE

TEST CODE :SCNTR 1

JOB NUMBER :9602.403

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : CYANIDE - RELEASAB  
PARAMETER : Cyanide Releasable

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

SB-3B

SB-4B

SB-6B

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-96-55492 A59208	ND	-	0.79
EE-96-55494 A59211	ND	-	0.62
EE-96-55497 A59217	ND	-	0.76
METHOD BLANK (11/15)	ND	-	0.50
METHOD BLANK (11/19)	ND	-	0.50

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

TEST CODE :SCNTR 1

JOB NUMBER :9602.429

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : CYANIDE - RELEASAB  
PARAMETER : Cyanide Releasable

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

SB-10B

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-96-55653 A59229	ND	-	0.76

SB-11B

EE-96-55655 A59232	ND	-	1.1
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SB-12B

EE-96-55657 A59235	ND	-	1.2
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SB-12E

EE-96-55659 A59248	ND	-	0.67
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METHOD BLANK (11/19)	ND	-	0.50
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METHOD BLANK (11/20)	ND	-	0.50
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METHOD BLANK (11/21)	ND	-	0.50
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QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

NA = NOT APPLICABLE

TEST CODE : SCNTR 1

JOB NUMBER : 9602.415

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

TEST NAME : CYANIDE - RELEASAB  
PARAMETER : Cyanide Releasable

SAMPLE ID	RESULTS	Q	QNT. LIMIT
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SB-7B

EE-96-55570			
A59220	ND		0.79 ✓

SB-8B

EE-96-55572			
A59223	ND		1.0 ✓

SB-9B

EE-96-55574			
A59226	ND		0.69 ✓

TP-1

EE-96-55576			
A59237	ND		0.67 ✓

TP-1 Dup

EE-96-55577			
A59266	ND		0.67 ✓

TP-2

EE-96-55578			
A59267	ND		0.77 ✓

SB-9B Dup

EE-96-55579			
A59269	ND		0.71 ✓

METHOD BLANK	ND		0.50
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QUALIFIERS: C = COMMENT                      ND = NOT DETECTED  
 J = ESTIMATED VALUE  
 NA = NOT APPLICABLE

TEST CODE :SSULFR1

JOB NUMBER :9602.389

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

TEST NAME : SULFIDE - RELEASAB  
PARAMETER : Sulfide Releasable

SB-1B

SB-2C

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-96-55441 A59202	380		1.3
EE-96-55443 A59206	68		1.2
METHOD BLANK (11/08)	ND		1.0
METHOD BLANK (11/11)	ND		1.0

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

TEST CODE :SSULFR1

JOB NUMBER :9602.403

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

TEST NAME : SULFIDE - RELEASAB  
PARAMETER : Sulfide Releasable

SAMPLE ID	RESULTS	Q	QNT. LIMIT
SB-3B EE-96-55492 A59208	25		1.6
SB-4B EE-96-55494 A59211	ND		1.2
SB-6B EE-96-55497 A59217	ND		1.5
METHOD BLANK	ND		1.0

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

TEST CODE :SSULFR1

JOB NUMBER :9602.429

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

TEST NAME : SULFIDE - RELEASAB

PARAMETER : Sulfide Releasable

SB-10B

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-96-55653			
A59229	ND		1.5

SB-11B

EE-96-55655			
A59232	950		2.1

SB-12B

EE-96-55657			
A59235	ND		2.3

SB-12E

EE-96-55659			
A59248	ND		1.3

METHOD BLANK	ND		1.0
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QUALIFIERS: C = COMMENT                      ND = NOT DETECTED  
                  J = ESTIMATED VALUE  
                  NA = NOT APPLICABLE

TEST CODE :SSULFR1

JOB NUMBER :9602.415

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SULFIDE - RELEASAB  
PARAMETER : Sulfide Releasable

RESULTS IN DRY WEIGHT  
UNITS : MG/KG

SAMPLE ID	RESULTS	Q	QNT. LIMIT
SB-7B EE-96-55570 A59220	72.7	-	1.6
SB-8B EE-96-55572 A59223	47.1	-	2.0
SB-9B EE-96-55574 A59226	32.1	-	1.4
TP-1 EE-96-55576 A59237	ND	-	1.3
TP-1 DUP EE-96-55577 A59266	ND	-	1.3
P-2 EE-96-55578 A59267	29.3	-	1.5
SB-9B DUP EE-96-55579 A59269	4.5	-	1.4
METHOD BLANK (11/08)	ND	-	1.0
METHOD BLANK (11/11)	ND	-	1.0

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



TEST CODE :STS 1

JOB NUMBER :9602.389

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SOLIDS TOTAL

UNITS : %

PARAMETER : Solids-Total

SAMPLE ID	RESULTS	Q
EE-96-55441		
A59202	76	
EE-96-55442		
A59205	70	
EE-96-55443		
A59206	81	
EE-96-55444		
A59203	100	

SB-1B

SB-2B

SB-2C

Green  
Surface  
waste }

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

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TEST CODE :STS 1

JOB NUMBER :9602.403

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SOLIDS TOTAL

UNITS : %

PARAMETER : Solids-Total

SAMPLE ID	RESULTS	Q
SB-3B EE-96-55492 A59208	63	-
SB-3C EE-96-55493 A59209	80	-
SB-4B EE-96-55494 A59211	81	-
SB-4C EE-96-55495 A59212	82	-
SB-5C EE-96-55496 A59215	84	-
SB-6B EE-96-55497 A59217	66	-
SB-6C EE-96-55498 A59218	76	-

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

TEST CODE :STS 1

JOB NUMBER :9602.429

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SOLIDS TOTAL

UNITS : %

PARAMETER : Solids-Total

SAMPLE ID	RESULTS	Q
SB-10B EE-96-55653 A59229	66	-
SB-10C EE-96-55654 A59230	79	-
SB-11B EE-96-55655 A59232	47	-
SB-11C EE-96-55656 A59233	81	-
SB-12B EE-96-55657 A59235	43	-
SB-12C EE-96-55658 A59236	74	-
SB-12E EE-96-55659 A59248	75	-
SB-10A EE-96-55660 A59228	65	-
SB-12D EE-96-55661 A59238	75	-

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

TEST CODE : STS 1

JOB NUMBER : 9602.415

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SOLIDS TOTAL

UNITS : %

PARAMETER : Solids-Total

SS-3

SAMPLE ID	RESULTS	Q
EE-96-55560		
A59201	92	

SS-4

EE-96-55561		
A59204	72	

SS-5

EE-96-55562		
A59207	64	

SB-3A

EE-96-55563		
A59210	86	

SS-6

EE-96-55564		
A59213	69	

SS-7

EE-96-55565		
A59216	80	

SS-8

EE-96-55566		
A59219	80	

SS-9

EE-96-55567		
A59222	79	

SB-9A

EE-96-55568		
A59225	79	

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

TEST CODE : STS 1

JOB NUMBER : 9602.415

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SOLIDS TOTAL

UNITS : %

PARAMETER : Solids-Total

SAMPLE ID	RESULTS	Q
SS-2 EE-96-55569 A59268	70	-
SB-7B EE-96-55570 A59220	63	-
SB-7C EE-96-55571 A59221	76	-
SB-8B EE-96-55572 A59223	49	-
SB-8C EE-96-55573 A59224	76	-
SB-9B EE-96-55574 A59226	72	-
SB-9C EE-96-55575 A59227	84	-
TP-1 EE-96-55576 A59237	75	-
TP-1 DUP EE-96-55577 A59266	75	-

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

TEST CODE :STS 1

JOB NUMBER :9602.415

ELAP ID : 10486

Ecology and Environment, Inc.  
Analytical Services Center

CLIENT : NEW YORK STATE DEC

TEST NAME : SOLIDS TOTAL

UNITS : %

PARAMETER : Solids-Total

SAMPLE ID RESULTS Q

-----  
EE-96-55578

A59267

65

-----  
EE-96-55578

A59269

70

-----  
QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

TP-2

SB-9B

DUP

































