US EPA RECORDS CENTER REGION 5
509043

PEI ASSOCIATES, INC.
11499 CHESTER ROAD
CINCINNATI, OHIO 45246
(513) 782-4700
TELECOPIER (513) 782-4807

November ~~21~~ 26, 1990
DN 11/26/90

Mr. Emmanuel Nocon
U.S. EPA Contract Lab Program
Sample Management Office (SMO)
209 Madison St., Suite 200
Alexandria, Va. 22314

RECEIVED
NOV 27 1990
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

Re: Contract No.: 68-D9-0037
PN 3791
Case Narrative for Case 15112, SDG: EBL13
SOW: 2/88

Dear Emmanuel:

Enclosed is the data package for the above SDG, 7 soil samples were received on October 19, 1990. The SMO sample numbers are EBL13-EBL15, EDL17 and ELF74-ELF76. All samples were analyzed for full TCL.

No problems were encountered with the samples.

The enclosed sheet describing limitation in the Format B and Extrel software is an integral part of this case narrative.

Please call if you have any questions.

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

Sincerely,

11/26/90

Dave Neal
GC/MS Coordinator

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report
(For CLP Use Only)

Case Number: 15112
SAS No. (if applicable): N/A

1. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (SAS)
7. Waste (SAS)
8. Other (SAS) (Specify)

IF VOA SAMPLE PRESERVED INDICATE IN COLUMN C WITH Y OR N.

2. Region Number: V
Sampling Co.: FIT
Sampler (Name): J. Swano
3. Ship To: PEI 11499 Chester Rd. Cincinnati, OH 45246 Attn: Dawn Weber

4. Date Shipped: 10/18/90
Carrier: F
Airbill Number: 9157648264
Triple volume required for matrix spike/duplicate aqueous sample.
Ship medium and high concentration samples in paint cans.
See reverse for additional instructions.

5. Date Received: 10/19/90
Received by: J. Friedman
Laboratory Contract Number: 68-D9-0087
Unit Price: $825.00
6. Transfer to
Date Received
Received by
Contract Number
Price

CLP Sample Number (From labels)	(A) Sample Description (From box 1)	(B) Concentration L=low M=med H=high	(C) RAS Analysis VOA	BNA	Pest/PCB	ARO/TOX	(D) Special Handling	(E) Station Location	(F) Date/Time of Sample Collection	(G) Corresponding CLP Inorganic Sample Number	(H) Sample Condition on Receipt	(I) High Conc. Phases (Check below) Solid	Water-MIS Liq.	Non Water-MIS Liq.
EDL 17	5	L	N	✓	✓			S1	10/18/90 1600	MEDH 77	SAMPLES			
EBL 13	5	L	N	✓	✓			S2	10/18/90 1455	MEBH 3	REC'D			
EBL 14	5	L	N	✓	✓			S3	10/18/90 1300	MEBH 32	GOOD			
EBL 15	5	L	N	✓	✓			S4	10/18/90 1245	MEBH 33	10/19/90			
ELF 74	5	L	N	✓	✓			S5	10/18/90 1400	MEBH 34				
ELF 75	5	L	N	✓	✓			S6	10/18/90 1405	MEY 396	JS 10/19/90			
ELF 76	5	L	N	✓	✓			S7	10/18/90 1506	MEY 397				

SHIPMENT IS COMPLETE

EPA Form 9110-2 (11-89) Replaces EPA Form 2075-7, which may be used. Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to SMO Yellow - Lab Copy

2B

SOIL VOLATILE SURROGATE RECOVERY

000008

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLKQ9	105	101	89		0
2	EBL14	112	85	88		0
3	VBLKR0	101	99	103		0
4	EDL17	108	82	85		0
5	ELF74	96	100	92		0
6	ELF74MS	108	86	85		0
7	ELF74MSD	107	87	86		0
8	ELF75	110	85	89		0
9	ELF76	110	89	89		0
10	VBLKR1	103	101	109		0
11	EBL13	113	89	92		0
12	VBLKR2	104	107	96		0
13	EBL15	111	94	91		0
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	QC LIMITS
S1 (TOL) = Toluene-d8	(81-117)
S2 (BFB) = Bromofluorobenzene	(74-121)
S3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Level:(low/med) MED

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLKR3	100	101	97		0
2	ELF75 DL	86	88	84		0
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	QC LIMITS
S1 (TOL) = Toluene-d8	(81-117)
S2 (BFB) = Bromofluorobenzene	(74-121)
S3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	ELF75	68	79	90	59	58	34		0
2	EBL13	72	83	79	70	66	64		0
3	EBL14	74	82	78	63	63	63		0
4	EBL15	71	83	79	64	65	67		0
5	SBLK08	67	75	73	56	56	57		0
6	EDL17	72	80	82	61	59	61		0
7	EDL17MS	66	68	80	63	61	71		0
8	EDL17MSD	70	72	78	67	63	70		0
9	ELF74	76	76	81	67	66	49		0
10	ELF76	65	67	71	62	60	58		0
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		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d6	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
1	PBLK08	83	
2	EDL17	84	
3	EDL17MS	77	
4	EDL17MSD	79	
5	ELF74	88	
6	ELF75	87	
7	ELF76	77	
8	EBL13	89	
9	EBL14	90	
10	EBL15	115	
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ADVISORY QC LIMITS (20-150)

S1 (DBC) = DBC

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II PEST-2 1/87 Rev.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix Spike - EPA Sample No.: ELF74 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	54.	0.	51.	95	159-172
Trichloroethene	54.	0.	46.	85	162-137
Benzene	54.	0.	46.	85	166-142
Toluene	54.	0.	46.	86	159-139
Chlorobenzene	54.	0.	45.	85	160-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	54.	51.	95	0	22	159-172
Trichloroethene	54.	45.	84	1	22	162-137
Benzene	54.	44.	83	3	21	166-142
Toluene	54.	46.	85	1	21	159-139
Chlorobenzene	54.	46.	87	3	21	160-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3D
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix Spike - EPA Sample No.: EDL17 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	15081.	0.	9605.	64	26- 90
2-Chlorophenol	15081.	111.	9150.	60	25-102
1,4-Dichlorobenzene	7541.	66.	4565.	60	28-104
N-Nitroso-di-n-prop. (1)	7541.	0.	5011.	66	41-126
1,2,4-Trichlorobenzene	7541.	0.	4338.	58	38-107
4-Chloro-3-methylphenol	15081.	0.	10189.	68	26-103
Acenaphthene	7541.	0.	5353.	71	31-137
4-Nitrophenol	15081.	0.	11071.	73	11-114
2,4-Dinitrotoluene	7541.	0.	5664.	75	28- 89
Pentachlorophenol	15081.	0.	8413.	56	17-109
Pyrene	7541.	173.	6413.	83	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	15084.	10241.	68	6	35	26- 90
2-Chlorophenol	15084.	9458.	62	3	50	25-102
1,4-Dichlorobenzene	7542.	4795.	63	5	27	28-104
N-Nitroso-di-n-prop. (1)	7542.	5495.	73	9	38	41-126
1,2,4-Trichlorobenzene	7542.	4551.	60	5	23	38-107
4-Chloro-3-methylphenol	15084.	10527.	70	3	33	26-103
Acenaphthene	7542.	5665.	75	6	19	31-137
4-Nitrophenol	15084.	11467.	76	3	50	11-114
2,4-Dinitrotoluene	7542.	5679.	75	0	47	28- 89
Pentachlorophenol	15084.	7991.	53	5	47	17-109
Pyrene	7542.	6502.	84	1	36	35-142

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

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: FBL13

Matrix Spike - EPA Sample No.: EDL17 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
gamma-BHC	60.33	.00	31.93	53	46-127
Heptachlor	60.33	.00	66.93	111	35-130
Aldrin	60.33	.00	36.22	60	34-132
Dieldrin	150.81	.00	97.31	65	31-134
Endrin	150.81	.00	93.41	62	42-139
4,4'-DDT	150.81	.00	86.87	58	23-134

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	60.34	34.33	57	7	50	46-127
Heptachlor	60.34	61.83	102	8	31	35-130
Aldrin	60.34	42.22	70	15	43	34-132
Dieldrin	150.84	95.58	63	2	38	31-134
Endrin	150.84	87.02	58	7	45	42-139
4,4'-DDT	150.84	72.71	48	18	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

000011

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab File ID: VBLK09 Lab Sample ID: VBLK09

Date Analyzed: 10/24/90 Time Analyzed: 20:46

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

Instrument ID: ____H

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	EBL14	X0-10-224-02B	EBL14	5:55
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab File ID: VBLKR0 Lab Sample ID: VBLKR0

Date Analyzed: 10/25/90 Time Analyzed: 9:01

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

Instrument ID: ____H

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	EDL17	X0-10-224-04B	EDL17	13:52
2	ELF74	X0-10-224-05B	ELF74	14:33
3	ELF74MS	X0-10-224-05B	ELF74MS	15:14
4	ELF74MSD	X0-10-224-05B	ELF74MSD	15:55
5	ELF75	X0-10-224-06B	ELF75	16:36
6	ELF76	X0-10-224-07B	ELF76	17:17
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COMMENTS:

VOLATILE METHOD BLANK SUMMARY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab File ID: VBLKR1 Lab Sample ID: VBLKR1

Date Analyzed: 10/25/90 Time Analyzed: 20:28

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

Instrument ID: ____H

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	EBL13	X0-10-224-01B	EBL13RE	22:12
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab File ID: VBLKR2 Lab Sample ID: VBLKR2

Date Analyzed: 10/26/90 Time Analyzed: 8:58

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

Instrument ID: ____H

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	EBL15	X0-10-224-01B	EBL15RE	9:52
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab File ID: VBLKR3 Lab Sample ID: VBLKR3

Date Analyzed: 10/26/90 Time Analyzed: 22:59

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

Instrument ID: ____H

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	ELF75 DL	X0-10-224-06B	ELF75DL2	1:18
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab File ID: SBLK08 Lab Sample ID: SBLK08

Date Extracted: 10/28/90 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 11/ 5/90 Time Analyzed: 18:41

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

Instrument ID: ____J

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	ELF75	X0-10-224-06A	ELF75	11/ 2/90
2	EBL13	X0-10-224-01A	EBL13	11/ 5/90
3	EBL14	X0-10-224-02A	EBL14	11/ 5/90
4	EBL15	X0-10-224-03A	EBL15RE	11/ 5/90
5	EDL17	X0-10-224-04A	EBL17RE	11/ 5/90
6	EDL17MS	X0-10-224-04A	EBL17MS	11/ 6/90
7	EDL17MSD	X0-10-224-04A	EBL17MSD	11/ 6/90
8	ELF74	X0-10-224-05A	ELF74	11/ 6/90
9	ELF76	X0-10-224-07A	ELF76	11/ 6/90
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COMMENTS:

4C
PESTICIDE METHOD BLANK SUMMARY

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Lab Sample ID: PBLK08 Lab File ID: LBPB0008

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

Date Extracted: 10/28/90 Extraction: (SepF/Cont/Sonc) SON

Date Analyzed (1): 11/14/90 Date Analyzed (2): 11/16/90

Time Analyzed (1): 20:27 Time Analyzed (2): 23:03

Instrument ID (1): _ B Instrument ID (2): _ A

GC Column ID (1): 2100 GC Column ID (2): 27502401

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	EDL17	X0-10-224-04A	11/14/90	11/16/90
2	EDL17MS	X0-10-224-04A	11/14/90	11/17/90
3	EDL17MSD	X0-10-224-04A	11/14/90	11/17/90
4	ELF74	X0-10-224-05A	11/14/90	11/17/90
5	ELF75	X0-10-224-06A	11/14/90	11/17/90
6	ELF76	X0-10-224-07A	11/14/90	11/17/90
7	EBL13	X0-10-224-01A	11/15/90	11/17/90
8	EBL14	X0-10-224-02A	11/15/90	11/17/90
9	EBL15	X0-10-224-03A	11/15/90	11/17/90
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Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000200

VBLKQ9

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKQ9

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKQ9

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/24/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000201

VBLKQ9

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKQ9

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKQ9

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/24/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

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

EPA SAMPLE NO.

VBLKR0

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR0

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR0

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000208

VBLKR0

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR0

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR0

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	1.15	30.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000215

VBLKR1

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR1

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR1

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000216

VBLKR1

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR1

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR1

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

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

EPA SAMPLE NO. 000222

VBLKR2

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR2

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR2

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/26/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

EPA SAMPLE NO. 000223

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKR2

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR2

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR2

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/26/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	1.12	20.	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000230

VBLKR3

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR3

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR3

Level: (low/med) MED Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/26/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	2.	J
67-64-1	Acetone	11.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

000231

VBLKR3

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR3

Sample wt/vol: 5.000 (g/mL) G Lab File ID: VBLKR3

Level: (low/med) MED Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 10/26/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

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

EPA SAMPLE NO.

SBLK08

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: SBLK08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: SBLK08

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	660.	U
111-44-4	bis(2-Chloroethyl)ether	660.	U
95-57-8	2-Chlorophenol	660.	U
541-73-1	1,3-Dichlorobenzene	660.	U
106-46-7	1,4-Dichlorobenzene	660.	U
100-51-6	Benzyl alcohol	660.	U
95-50-1	1,2-Dichlorobenzene	660.	U
95-48-7	2-Methylphenol	660.	U
108-60-1	bis(2-Chloroisopropyl)ether	660.	U
106-44-5	4-Methylphenol	660.	U
621-64-7	N-Nitroso-di-n-propylamine	660.	U
67-72-1	Hexachloroethane	660.	U
98-95-3	Nitrobenzene	660.	U
78-59-1	Isophorone	660.	U
88-75-5	2-Nitrophenol	660.	U
105-67-9	2,4-Dimethylphenol	660.	U
65-85-0	Benzoic acid	3200.	U
111-91-1	bis(2-Chloroethoxy)methane	660.	U
120-83-2	2,4-Dichlorophenol	660.	U
120-82-1	1,2,4-Trichlorobenzene	660.	U
91-20-3	Naphthalene	660.	U
106-47-8	4-Chloroaniline	660.	U
87-68-3	Hexachlorobutadiene	660.	U
59-50-7	4-Chloro-3-methylphenol	660.	U
91-57-6	2-Methylnaphthalene	660.	U
77-47-4	Hexachlorocyclopentadiene	660.	U
88-06-2	2,4,6-Trichlorophenol	660.	U
95-95-4	2,4,5-Trichlorophenol	3200.	U
91-58-7	2-Chloronaphthalene	660.	U
88-74-4	2-Nitroaniline	3200.	U
131-11-3	Dimethylphthalate	660.	U
208-96-8	Acenaphthylene	660.	U
606-20-2	2,6-Dinitrotoluene	660.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: SBLK08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: SBLK08

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3200.	U
83-32-9	Acenaphthene	660.	U
51-28-5	2,4-Dinitrophenol	3200.	U
100-02-7	4-Nitrophenol	3200.	U
132-64-9	Dibenzofuran	660.	U
121-14-2	2,4-Dinitrotoluene	660.	U
84-66-2	Diethylphthalate	660.	U
7005-72-3	4-Chlorophenyl-phenylether	660.	U
86-73-7	Fluorene	660.	U
100-01-6	4-Nitroaniline	3200.	U
534-52-1	4,6-Dinitro-2-methylphenol	3200.	U
86-30-6	N-Nitrosodiphenylamine (1)	660.	U
101-55-3	4-Bromophenyl-phenylether	660.	U
118-74-1	Hexachlorobenzene	660.	U
87-86-5	Pentachlorophenol	3200.	U
85-01-8	Phenanthrene	660.	U
120-12-7	Anthracene	660.	U
84-74-2	Di-n-butylphthalate	660.	U
206-44-0	Fluoranthene	660.	U
129-00-0	Pyrene	660.	U
85-68-7	Butylbenzylphthalate	660.	U
91-94-1	3,3'-Dichlorobenzidine	1300.	U
56-55-3	Benzo(a)anthracene	660.	U
218-01-9	Chrysene	660.	U
117-81-7	bis(2-Ethylhexyl)phthalate	660.	U
117-84-0	Di-n-octylphthalate	660.	U
205-99-2	Benzo(b)fluoranthene	660.	U
207-08-9	Benzo(k)fluoranthene	660.	U
50-32-8	Benzo(a)pyrene	660.	U
193-39-5	Indeno(1,2,3-cd)pyrene	660.	U
53-70-3	Dibenz(a,h)anthracene	660.	U
191-24-2	Benzo(g,h,i)perylene	660.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK08

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: SBLK08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: SBLK08

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	5.00	1000.	J A
2.	- -	UNKNOWN HYDROCARBON	5.67	400.	J
3.	- -	UNKNOWN	5.92	30000.	J A
4.	- -	UNKNOWN	9.93	400.	J
5.	- -	UNKNOWN	10.22	400.	J
6.					
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK08

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: ERL13

Matrix: (soil/water) SOIL Lab Sample ID: PBLK08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: LBPR0008

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	16.	U
319-85-7	beta-BHC	16.	U
319-86-8	delta-BHC	16.	U
58-89-9	gamma-BHC	16.	U
76-44-8	Heptachlor	16.	U
309-00-2	Aldrin	16.	U
1024-57-3	Heptachlor epoxide	16.	U
959-98-8	Endosulfan I	16.	U
60-57-1	Dieldrin	32.	U
72-55-9	4,4'-DDE	32.	U
72-20-8	Endrin	32.	U
33213-65-9	Endosulfan II	32.	U
72-54-8	4,4'-DDD	32.	U
1031-07-8	Endosulfan sulfate	32.	U
50-29-3	4,4'-DDT	32.	U
72-43-5	Methoxychlor	160.	U
53494-70-5	Endrin ketone	32.	U
5103-71-9	alpha-Chlordane	160.	U
5103-74-2	gamma-Chlordane	160.	U
8001-35-2	Toxaphene	320.	U
12674-11-2	Aroclor-1016	160.	U
11104-28-2	Aroclor-1221	160.	U
11141-16-5	Aroclor-1232	160.	U
53469-21-9	Aroclor-1242	160.	U
12672-29-6	Aroclor-1248	160.	U
11097-69-1	Aroclor-1254	320.	U
11096-82-5	Aroclor-1260	320.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000027

EBL13

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EBL13RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 17. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	15.	
67-64-1	Acetone	25.	
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	2.	J
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000028

EBL13

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EBL13RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 17. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000037

EBL14

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-02B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EBL14

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 20. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	55.	
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	3.	J
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	3.	J
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000038

EBL14

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-02B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EBL14

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 20. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76-13-1	Ethane, 1,1,2-trichloro-1,2,	9.15	7.	J
2.	- -	UNKNOWN	4.03	9.	J
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

000049

EBL15

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EBL15RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 21. Date Analyzed: 10/26/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	35.	
67-64-1	Acetone	22.	
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000050

EBL15

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EBL15RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 21. Date Analyzed: 10/26/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 000058

EDL17

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-04B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EDL17

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 12. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	14.	
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	9.	
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	4.	J
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	9.	
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000059

EDL17

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-04B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: EDL17

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 12. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

000069

ELF74

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-05B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: ELF74

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 7. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	16.	
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

000070

ELF74

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-05B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: ELF74

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 7. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	27.65	6.	J
2.					
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF75

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: ELF75

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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	14.	
67-64-1	Acetone	730.	E
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	42.	
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	22.	
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000079

ELF75

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: ELF75

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	5.32	20.	J
2. - -	UNKNOWN	27.62	7.	J
3. - -	UNKNOWN	16.02	5.	J
4. - -	UNKNOWN	19.03	4.	J
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

ELF75 DL 000093

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06B

Sample wt/vol: 4.000 (g/mL) G Lab File ID: ELF75DL2

Level: (low/med) MED Date Received: 10/19/90

% Moisture: not dec. 22. Date Analyzed: 10/27/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1600.	IU
74-83-9	Bromomethane	1600.	IU
75-01-4	Vinyl Chloride	1600.	IU
75-00-3	Chloroethane	1600.	IU
75-09-2	Methylene Chloride	1900.	~~UB~~ D
67-64-1	Acetone	4100.	~~UB~~ D
75-15-0	Carbon Disulfide	800.	IU
75-35-4	1,1-Dichloroethene	800.	IU
75-34-3	1,1-Dichloroethane	800.	IU
540-59-0	1,2-Dichloroethene (total)	800.	IU
67-66-3	Chloroform	800.	IU
107-06-2	1,2-Dichloroethane	800.	IU
78-93-3	2-Butanone	1600.	IU
71-55-6	1,1,1-Trichloroethane	800.	IU
56-23-5	Carbon Tetrachloride	800.	IU
108-05-4	Vinyl Acetate	1600.	IU
75-27-4	Bromodichloromethane	800.	IU
78-87-5	1,2-Dichloropropane	800.	IU
10061-01-5	cis-1,3-Dichloropropene	800.	IU
79-01-6	Trichloroethene	800.	IU
124-48-1	Dibromochloromethane	800.	IU
79-00-5	1,1,2-Trichloroethane	800.	IU
71-43-2	Benzene	800.	IU
10061-02-6	trans-1,3-Dichloropropene	800.	IU
75-25-2	Bromoform	800.	IU
108-10-1	4-Methyl-2-Pentanone	1600.	IU
591-78-6	2-Hexanone	1600.	IU
127-18-4	Tetrachloroethene	800.	IU
79-34-5	1,1,2,2-Tetrachloroethane	800.	IU
108-88-3	Toluene	800.	IU
108-90-7	Chlorobenzene	800.	IU
100-41-4	Ethylbenzene	800.	IU
100-42-5	Styrene	800.	IU
1330-20-7	Xylene (total)	800.	IU

W.D. Wilson 1/17/91

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

000094

ELF75 DL

Lab Name: PEI Contract: E8-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06B

Sample wt/vol: 4.000 (g/mL) G Lab File ID: ELF75DL2

Level: (low/med) MED Date Received: 10/19/90

% Moisture: not dec. 22. Date Analyzed: 10/27/90

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	23.18	20000.	J
2.	- -	UNKNOWN	24.02	9000.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF76

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-07B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: ELF76

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 10. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	12.	
67-64-1	Acetone	18.	
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 000105

ELF76

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-07B

Sample wt/vol: 5.000 (g/mL) G Lab File ID: ELF76

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 10. Date Analyzed: 10/25/90

Column: (pack/cap) PACK Dilution Factor: 1.00

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	23.32	7.	J
2.	- -	UNKNOWN	23.62	30.	J
3.	- -	UNKNOWN	27.58	6.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL13

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL13

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 17. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	790.	U
111-44-4	bis(2-Chloroethyl)ether	790.	U
95-57-8	2-Chlorophenol	790.	U
541-73-1	1,3-Dichlorobenzene	790.	U
106-46-7	1,4-Dichlorobenzene	790.	U
100-51-6	Benzyl alcohol	790.	U
95-50-1	1,2-Dichlorobenzene	790.	U
95-48-7	2-Methylphenol	790.	U
108-60-1	bis(2-Chloroisopropyl)ether	790.	U
106-44-5	4-Methylphenol	790.	U
621-64-7	N-Nitroso-di-n-propylamine	790.	U
67-72-1	Hexachloroethane	790.	U
98-95-3	Nitrobenzene	790.	U
78-59-1	Isophorone	790.	U
88-75-5	2-Nitrophenol	790.	U
105-67-9	2,4-Dimethylphenol	790.	U
65-85-0	Benzoic acid	3900.	U
111-91-1	bis(2-Chloroethoxy)methane	790.	U
120-83-2	2,4-Dichlorophenol	790.	U
120-82-1	1,2,4-Trichlorobenzene	790.	U
91-20-3	Naphthalene	790.	U
106-47-8	4-Chloroaniline	790.	U
87-68-3	Hexachlorobutadiene	790.	U
59-50-7	4-Chloro-3-methylphenol	790.	U
91-57-6	2-Methylnaphthalene	790.	U
77-47-4	Hexachlorocyclopentadiene	790.	U
88-06-2	2,4,6-Trichlorophenol	790.	U
95-95-4	2,4,5-Trichlorophenol	3900.	U
91-58-7	2-Chloronaphthalene	790.	U
88-74-4	2-Nitroaniline	3900.	U
131-11-3	Dimethylphthalate	790.	U
208-96-8	Acenaphthylene	790.	U
606-20-2	2,6-Dinitrotoluene	790.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL13

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL13

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 17. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3900.	U
83-32-9	Acenaphthene	790.	U
51-28-5	2,4-Dinitrophenol	3900.	U
100-02-7	4-Nitrophenol	3900.	U
132-64-9	Dibenzofuran	790.	U
121-14-2	2,4-Dinitrotoluene	790.	U
84-66-2	Diethylphthalate	790.	U
7005-72-3	4-Chlorophenyl-phenylether	790.	U
86-73-7	Fluorene	790.	U
100-01-6	4-Nitroaniline	3900.	U
534-52-1	4,6-Dinitro-2-methylphenol	3900.	U
86-30-6	N-Nitrosodiphenylamine (1)	790.	U
101-55-3	4-Bromophenyl-phenylether	790.	U
118-74-1	Hexachlorobenzene	790.	U
87-86-5	Pentachlorophenol	3900.	U
85-01-8	Phenanthrene	320.	J
120-12-7	Anthracene	790.	U
84-74-2	Di-n-butylphthalate	790.	U
206-44-0	Fluoranthene	640.	J
129-00-0	Pyrene	580.	J
85-68-7	Butylbenzylphthalate	790.	U
91-94-1	3,3'-Dichlorobenzidine	1600.	U
56-55-3	Benzo(a)anthracene	310.	J
218-01-9	Chrysene	380.	J
117-81-7	bis(2-Ethylhexyl)phthalate	180.	J
117-84-0	Di-n-octylphthalate	790.	U
205-99-2	Benzo(b)fluoranthene	360.	J
207-08-9	Benzo(k)fluoranthene	320.	J
50-32-8	Benzo(a)pyrene	350.	J
193-39-5	Indeno(1,2,3-cd)pyrene	790.	U
53-70-3	Dibenz(a,h)anthracene	790.	U
191-24-2	Benzo(g,h,i)perylene	790.	U

(1) - Cannot be separated from diphenylamine

266

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBL13

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL13

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 17. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	5.00	1000.	J A
2. - -	UNKNOWN HYDROCARBON	5.65	400.	J
3. - -	UNKNOWN	5.92	40000.	J A
4. - -	UNKNOWN HYDROCARBON	6.30	600.	J
5. - -	UNKNOWN	8.33	700.	J
6. - -	UNKNOWN	8.80	400.	J A
7. - -	UNKNOWN	9.93	2000.	J
8. - -	UNKNOWN	10.20	700.	J
9. - -	UNKNOWN	11.23	2000.	J A
10. - -	UNKNOWN	27.83	1000.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL14

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL14

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 20. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	820.	U
111-44-4	bis(2-Chloroethyl)ether	820.	U
95-57-8	2-Chlorophenol	820.	U
541-73-1	1,3-Dichlorobenzene	820.	U
106-46-7	1,4-Dichlorobenzene	820.	U
100-51-6	Benzyl alcohol	820.	U
95-50-1	1,2-Dichlorobenzene	820.	U
95-48-7	2-Methylphenol	820.	U
108-60-1	bis(2-Chloroisopropyl)ether	820.	U
106-44-5	4-Methylphenol	820.	U
621-64-7	N-Nitroso-di-n-propylamine	820.	U
67-72-1	Hexachloroethane	820.	U
98-95-3	Nitrobenzene	820.	U
78-59-1	Isophorone	820.	U
88-75-5	2-Nitrophenol	820.	U
105-67-9	2,4-Dimethylphenol	820.	U
65-85-0	Benzoic acid	4000.	U
111-91-1	bis(2-Chloroethoxy)methane	820.	U
120-83-2	2,4-Dichlorophenol	820.	U
120-82-1	1,2,4-Trichlorobenzene	820.	U
91-20-3	Naphthalene	820.	U
106-47-8	4-Chloroaniline	820.	U
87-68-3	Hexachlorobutadiene	820.	U
59-50-7	4-Chloro-3-methylphenol	820.	U
91-57-6	2-Methylnaphthalene	820.	U
77-47-4	Hexachlorocyclopentadiene	820.	U
88-06-2	2,4,6-Trichlorophenol	820.	U
95-95-4	2,4,5-Trichlorophenol	4000.	U
91-58-7	2-Chloronaphthalene	820.	U
88-74-4	2-Nitroaniline	4000.	U
131-11-3	Dimethylphthalate	820.	U
208-96-8	Acenaphthylene	820.	U
606-20-2	2,6-Dinitrotoluene	820.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL14

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL14

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 20. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4000.	U
83-32-9	Acenaphthene	230.	J
51-28-5	2,4-Dinitrophenol	4000.	U
100-02-7	4-Nitrophenol	4000.	U
132-64-9	Dibenzofuran	160.	J
121-14-2	2,4-Dinitrotoluene	820.	U
84-66-2	Diethylphthalate	820.	U
7005-72-3	4-Chlorophenyl-phenylether	820.	U
86-73-7	Fluorene	250.	J
100-01-6	4-Nitroaniline	4000.	U
534-52-1	4,6-Dinitro-2-methylphenol	4000.	U
86-30-6	N-Nitrosodiphenylamine (1)	820.	U
101-55-3	4-Bromophenyl-phenylether	820.	U
118-74-1	Hexachlorobenzene	820.	U
87-86-5	Pentachlorophenol	4000.	U
85-01-8	Phenanthrene	1900.	
120-12-7	Anthracene	310.	J
84-74-2	Di-n-butylphthalate	820.	U
206-44-0	Fluoranthene	3200.	
129-00-0	Pyrene	3100.	
85-68-7	Butylbenzylphthalate	820.	U
91-94-1	3,3'-Dichlorobenzidine	1600.	U
56-55-3	Benzo(a)anthracene	1600.	
218-01-9	Chrysene	1800.	
117-81-7	bis(2-Ethylhexyl)phthalate	820.	U
117-84-0	Di-n-octylphthalate	820.	U
205-99-2	Benzo(b)fluoranthene	1400.	
207-08-9	Benzo(k)fluoranthene	1500.	
50-32-8	Benzo(a)pyrene	1500.	
193-39-5	Indeno(1,2,3-cd)pyrene	820.	U
53-70-3	Dibenz(a,h)anthracene	820.	U
191-24-2	Benzo(g,h,i)perylene	820.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBL14

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL14

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 20. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 11

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	5.03	1000.	J A
2.	- -	UNKNOWN HYDROCARBON	5.70	40000.	J
3.	- -	UNKNOWN	8.33	2000.	J A
4.	- -	UNKNOWN	9.95	1000.	J A
5.	- -	UNKNOWN	10.22	700.	J
6.	- -	UNKNOWN	11.23	1000.	J A
7.	- -	UNKNOWN	26.20	500.	J
8.	- -	UNKNOWN	27.83	400.	J
9.	- -	UNKNOWN	35.97	1000.	J
10.	- -	UNKNOWN AROMATIC	36.78	1000.	J
11.	- -	UNKNOWN	41.85	400.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL15

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-03A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL15RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 21. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	830.	U
111-44-4	bis(2-Chloroethyl)ether	830.	U
95-57-8	2-Chlorophenol	830.	U
541-73-1	1,3-Dichlorobenzene	830.	U
106-46-7	1,4-Dichlorobenzene	830.	U
100-51-6	Benzyl alcohol	830.	U
95-50-1	1,2-Dichlorobenzene	830.	U
95-48-7	2-Methylphenol	830.	U
108-60-1	bis(2-Chloroisopropyl)ether	830.	U
106-44-5	4-Methylphenol	830.	U
621-64-7	N-Nitroso-di-n-propylamine	830.	U
67-72-1	Hexachloroethane	830.	U
98-95-3	Nitrobenzene	830.	U
78-59-1	Isophorone	830.	U
88-75-5	2-Nitrophenol	830.	U
105-67-9	2,4-Dimethylphenol	830.	U
65-85-0	Benzoic acid	4000.	U
111-91-1	bis(2-Chloroethoxy)methane	830.	U
120-83-2	2,4-Dichlorophenol	830.	U
120-82-1	1,2,4-Trichlorobenzene	830.	U
91-20-3	Naphthalene	180.	J
106-47-8	4-Chloroaniline	830.	U
87-68-3	Hexachlorobutadiene	830.	U
59-50-7	4-Chloro-3-methylphenol	830.	U
91-57-6	2-Methylnaphthalene	100.	J
77-47-4	Hexachlorocyclopentadiene	830.	U
88-06-2	2,4,6-Trichlorophenol	830.	U
95-95-4	2,4,5-Trichlorophenol	4000.	U
91-58-7	2-Chloronaphthalene	830.	U
88-74-4	2-Nitroaniline	4000.	U
131-11-3	Dimethylphthalate	830.	U
208-96-8	Acenaphthylene	830.	U
606-20-2	2,6-Dinitrotoluene	830.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL15

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-03A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL15RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 21. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4000.	U
83-32-9	Acenaphthene	300.	J
51-28-5	2,4-Dinitrophenol	4000.	U
100-02-7	4-Nitrophenol	4000.	U
132-64-9	Dibenzofuran	230.	J
121-14-2	2,4-Dinitrotoluene	830.	U
84-66-2	Diethylphthalate	830.	U
7005-72-3	4-Chlorophenyl-phenylether	830.	U
86-73-7	Fluorene	340.	J
100-01-6	4-Nitroaniline	4000.	U
534-52-1	4,6-Dinitro-2-methylphenol	4000.	U
86-30-6	N-Nitrosodiphenylamine (1)	830.	U
101-55-3	4-Bromophenyl-phenylether	830.	U
118-74-1	Hexachlorobenzene	830.	U
87-86-5	Pentachlorophenol	4000.	U
85-01-8	Phenanthrene	3500.	
120-12-7	Anthracene	540.	J
84-74-2	Di-n-butylphthalate	830.	U
206-44-0	Fluoranthene	4000.	
129-00-0	Pyrene	3900.	
85-68-7	Butylbenzylphthalate	830.	U
91-94-1	3,3'-Dichlorobenzidine	1700.	U
56-55-3	Benzo(a)anthracene	1800.	
218-01-9	Chrysene	2100.	
117-81-7	bis(2-Ethylhexyl)phthalate	830.	U
117-84-0	Di-n-octylphthalate	830.	U
205-99-2	Benzo(b)fluoranthene	1500.	
207-08-9	Benzo(k)fluoranthene	2000.	
50-32-8	Benzo(a)pyrene	1700.	
193-39-5	Indeno(1,2,3-cd)pyrene	830.	U
53-70-3	Dibenz(a,h)anthracene	830.	U
191-24-2	Benzo(g,h,i)perylene	830.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EBL15

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-03A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL15RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 21. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 15

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	5.00	2000.	J A
2.	- -	UNKNOWN HYDROCARBON	5.67	500.	J
3.	- -	UNKNOWN	5.92	40000.	J A
4.	- -	UNKNOWN HYDROCARBON	6.55	500.	J
5.	- -	UNKNOWN	8.32	1000.	J A
6.	- -	UNKNOWN	8.80	400.	J A
7.	- -	UNKNOWN	9.93	1000.	J A
8.	- -	UNKNOWN	10.20	600.	J A
9.	- -	UNKNOWN	11.23	2000.	J A
10.	- -	UNKNOWN	19.98	1000.	J
11.	- -	UNKNOWN	26.20	700.	J
12.	- -	UNKNOWN	27.87	7000.	J
13.	- -	UNKNOWN	36.23	400.	J
14.	- -	UNKNOWN AROMATIC	36.78	1000.	J
15.	- -	UNKNOWN AROMATIC	41.87	400.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EBL17

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-04A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL17RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 12. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	750.	U
111-44-4	bis(2-Chloroethyl)ether	750.	U
95-57-8	2-Chlorophenol	110.	J
541-73-1	1,3-Dichlorobenzene	750.	U
106-46-7	1,4-Dichlorobenzene	66.	J
100-51-6	Benzyl alcohol	750.	U
95-50-1	1,2-Dichlorobenzene	750.	U
95-48-7	2-Methylphenol	750.	U
108-60-1	bis(2-Chloroisopropyl)ether	750.	U
106-44-5	4-Methylphenol	750.	U
621-64-7	N-Nitroso-di-n-propylamine	750.	U
67-72-1	Hexachloroethane	750.	U
98-95-3	Nitrobenzene	750.	U
78-59-1	Isophorone	750.	U
88-75-5	2-Nitrophenol	750.	U
105-67-9	2,4-Dimethylphenol	750.	U
65-85-0	Benzoic acid	3600.	U
111-91-1	bis(2-Chloroethoxy)methane	750.	U
120-83-2	2,4-Dichlorophenol	750.	U
120-82-1	1,2,4-Trichlorobenzene	750.	U
91-20-3	Naphthalene	750.	U
106-47-8	4-Chloroaniline	750.	U
87-68-3	Hexachlorobutadiene	750.	U
59-50-7	4-Chloro-3-methylphenol	750.	U
91-57-6	2-Methylnaphthalene	750.	U
77-47-4	Hexachlorocyclopentadiene	750.	U
88-06-2	2,4,6-Trichlorophenol	750.	U
95-95-4	2,4,5-Trichlorophenol	3600.	U
91-58-7	2-Chloronaphthalene	750.	U
88-74-4	2-Nitroaniline	3600.	U
131-11-3	Dimethylphthalate	750.	U
208-96-8	Acenaphthylene	750.	U
606-20-2	2,6-Dinitrotoluene	750.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EDL17

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-04A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL17RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 12. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3600.	U
83-32-9	Acenaphthene	750.	U
51-28-5	2,4-Dinitrophenol	3600.	U
100-02-7	4-Nitrophenol	3600.	U
132-64-9	Dibenzofuran	750.	U
121-14-2	2,4-Dinitrotoluene	750.	U
84-66-2	Diethylphthalate	750.	U
7005-72-3	4-Chlorophenyl-phenylether	750.	U
86-73-7	Fluorene	750.	U
100-01-6	4-Nitroaniline	3600.	U
534-52-1	4,6-Dinitro-2-methylphenol	3600.	U
86-30-6	N-Nitrosodiphenylamine (1)	750.	U
101-55-3	4-Bromophenyl-phenylether	750.	U
118-74-1	Hexachlorobenzene	750.	U
87-86-5	Pentachlorophenol	3600.	U
85-01-8	Phenanthrene	750.	U
120-12-7	Anthracene	750.	U
84-74-2	Di-n-butylphthalate	750.	U
206-44-0	Fluoranthene	750.	U
129-00-0	Pyrene	170.	J
85-68-7	Butylbenzylphthalate	750.	U
91-94-1	3,3'-Dichlorobenzidine	1500.	U
56-55-3	Benzo(a)anthracene	750.	U
218-01-9	Chrysene	130.	J
117-81-7	bis(2-Ethylhexyl)phthalate	750.	U
117-84-0	Di-n-octylphthalate	750.	U
205-99-2	Benzo(b)fluoranthene	130.	J
207-08-9	Benzo(k)fluoranthene	750.	U
50-32-8	Benzo(a)pyrene	750.	U
193-39-5	Indeno(1,2,3-cd)pyrene	750.	U
53-70-3	Dibenz(a,h)anthracene	750.	U
191-24-2	Benzo(g,h,i)perylene	750.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EDL17

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-04A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: EBL17RE

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 12. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 5/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	4.98	1000.	J A
2. - -	UNKNOWN HYDROCARBON	5.63	300.	J
3. - -	UNKNOWN	5.88	30000.	J A
4. - -	UNKNOWN HYDROCARBON	6.28	500.	J
5. - -	UNKNOWN	9.92	800.	J
6. - -	UNKNOWN	10.20	400.	J A
7. - -	UNKNOWN	11.22	2000.	J
8. - -	UNKNOWN	35.18	400.	J
9. - -	UNKNOWN	35.38	3000.	J
10. - -	UNKNOWN	35.97	800.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF74

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-05A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ELF74

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 7. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 6/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	710.	U
111-44-4	bis(2-Chloroethyl)ether	710.	U
95-57-8	2-Chlorophenol	710.	U
541-73-1	1,3-Dichlorobenzene	710.	U
106-46-7	1,4-Dichlorobenzene	710.	U
100-51-6	Benzyl alcohol	710.	U
95-50-1	1,2-Dichlorobenzene	710.	U
95-48-7	2-Methylphenol	710.	U
108-60-1	bis(2-Chloroisopropyl)ether	710.	U
106-44-5	4-Methylphenol	710.	U
621-64-7	N-Nitroso-di-n-propylamine	710.	U
67-72-1	Hexachloroethane	710.	U
98-95-3	Nitrobenzene	710.	U
78-59-1	Isophorone	710.	U
88-75-5	2-Nitrophenol	710.	U
105-67-9	2,4-Dimethylphenol	710.	U
65-85-0	Benzoic acid	3400.	U
111-91-1	bis(2-Chloroethoxy)methane	710.	U
120-83-2	2,4-Dichlorophenol	710.	U
120-82-1	1,2,4-Trichlorobenzene	710.	U
91-20-3	Naphthalene	710.	U
106-47-8	4-Chloroaniline	710.	U
87-68-3	Hexachlorobutadiene	710.	U
59-50-7	4-Chloro-3-methylphenol	710.	U
91-57-6	2-Methylnaphthalene	710.	U
77-47-4	Hexachlorocyclopentadiene	710.	U
88-06-2	2,4,6-Trichlorophenol	710.	U
95-95-4	2,4,5-Trichlorophenol	3400.	U
91-58-7	2-Chloronaphthalene	710.	U
88-74-4	2-Nitroaniline	3400.	U
131-11-3	Dimethylphthalate	710.	U
208-96-8	Acenaphthylene	710.	U
606-20-2	2,6-Dinitrotoluene	710.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF74

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-05A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ELF74

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 7. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 6/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3400.	U
83-32-9	Acenaphthene	710.	U
51-28-5	2,4-Dinitrophenol	3400.	U
100-02-7	4-Nitrophenol	3400.	U
132-64-9	Dibenzofuran	710.	U
121-14-2	2,4-Dinitrotoluene	710.	U
84-66-2	Diethylphthalate	710.	U
7005-72-3	4-Chlorophenyl-phenylether	710.	U
86-73-7	Fluorene	710.	U
100-01-6	4-Nitroaniline	3400.	U
534-52-1	4,6-Dinitro-2-methylphenol	3400.	U
86-30-6	N-Nitrosodiphenylamine (1)	710.	U
101-55-3	4-Bromophenyl-phenylether	710.	U
118-74-1	Hexachlorobenzene	710.	U
87-86-5	Pentachlorophenol	3400.	U
85-01-8	Phenanthrene	710.	U
120-12-7	Anthracene	710.	U
84-74-2	Di-n-butylphthalate	710.	U
206-44-0	Fluoranthene	710.	U
129-00-0	Pyrene	710.	U
85-68-7	Butylbenzylphthalate	710.	U
91-94-1	3,3'-Dichlorobenzidine	1400.	U
56-55-3	Benzo(a)anthracene	710.	U
218-01-9	Chrysene	710.	U
117-81-7	bis(2-Ethylhexyl)phthalate	710.	U
117-84-0	Di-n-octylphthalate	710.	U
205-99-2	Benzo(b)fluoranthene	710.	U
207-08-9	Benzo(k)fluoranthene	710.	U
50-32-8	Benzo(a)pyrene	710.	U
193-39-5	Indeno(1,2,3-cd)pyrene	710.	U
53-70-3	Dibenz(a,h)anthracene	710.	U
191-24-2	Benzo(g,h,i)perylene	710.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ELF74

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-05A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ELF74

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 7. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 6/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	4.70	1000.	J A
2.	- -	UNKNOWN HYDROCARBON	5.38	500.	J
3.	- -	UNKNOWN	5.65	40000.	J A
4.	- -	UNKNOWN HYDROCARBON	6.02	500.	J
5.	- -	UNKNOWN HYDROCARBON	6.28	300.	J
6.	- -	UNKNOWN	8.55	600.	J A
7.	- -	UNKNOWN	9.67	700.	J
8.	- -	UNKNOWN HYDROCARBON	9.95	400.	J
9.	- -	UNKNOWN HYDROCARBON	10.72	400.	J
10.	- -	UNKNOWN	10.97	2000.	J A
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF75

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ELF75

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 2/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	840.	U
111-44-4	bis(2-Chloroethyl)ether	840.	U
95-57-8	2-Chlorophenol	840.	U
541-73-1	1,3-Dichlorobenzene	840.	U
106-46-7	1,4-Dichlorobenzene	840.	U
100-51-6	Benzyl alcohol	840.	U
95-50-1	1,2-Dichlorobenzene	840.	U
95-48-7	2-Methylphenol	840.	U
108-60-1	bis(2-Chloroisopropyl)ether	840.	U
106-44-5	4-Methylphenol	840.	U
621-64-7	N-Nitroso-di-n-propylamine	840.	U
67-72-1	Hexachloroethane	840.	U
98-95-3	Nitrobenzene	840.	U
78-59-1	Isophorone	840.	U
88-75-5	2-Nitrophenol	840.	U
105-67-9	2,4-Dimethylphenol	840.	U
65-85-0	Benzoic acid	4100.	U
111-91-1	bis(2-Chloroethoxy)methane	840.	U
120-83-2	2,4-Dichlorophenol	840.	U
120-82-1	1,2,4-Trichlorobenzene	840.	U
91-20-3	Naphthalene	840.	U
106-47-8	4-Chloroaniline	840.	U
87-68-3	Hexachlorobutadiene	840.	U
59-50-7	4-Chloro-3-methylphenol	840.	U
91-57-6	2-Methylnaphthalene	840.	U
77-47-4	Hexachlorocyclopentadiene	840.	U
88-06-2	2,4,6-Trichlorophenol	840.	U
95-95-4	2,4,5-Trichlorophenol	4100.	U
91-58-7	2-Chloronaphthalene	840.	U
88-74-4	2-Nitroaniline	4100.	U
131-11-3	Dimethylphthalate	840.	U
208-96-8	Acenaphthylene	840.	U
606-20-2	2,6-Dinitrotoluene	840.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF75

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ELF75

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 2/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4100.	U
83-32-9	Acenaphthene	840.	U
51-28-5	2,4-Dinitrophenol	4100.	U
100-02-7	4-Nitrophenol	4100.	U
132-64-9	Dibenzofuran	840.	U
121-14-2	2,4-Dinitrotoluene	840.	U
84-66-2	Diethylphthalate	840.	U
7005-72-3	4-Chlorophenyl-phenylether	840.	U
86-73-7	Fluorene	840.	U
100-01-6	4-Nitroaniline	4100.	U
534-52-1	4,6-Dinitro-2-methylphenol	4100.	U
86-30-6	N-Nitrosodiphenylamine (1)	840.	U
101-55-3	4-Bromophenyl-phenylether	840.	U
118-74-1	Hexachlorobenzene	840.	U
87-86-5	Pentachlorophenol	4100.	U
85-01-8	Phenanthrene	840.	U
120-12-7	Anthracene	840.	U
84-74-2	Di-n-butylphthalate	840.	U
206-44-0	Fluoranthene	840.	U
129-00-0	Pyrene	840.	U
85-68-7	Butylbenzylphthalate	840.	U
91-94-1	3,3'-Dichlorobenzidine	1700.	U
56-55-3	Benzo(a)anthracene	840.	U
218-01-9	Chrysene	840.	U
117-81-7	bis(2-Ethylhexyl)phthalate	840.	U
117-84-0	Di-n-octylphthalate	840.	U
205-99-2	Benzo(b)fluoranthene	840.	U
207-08-9	Benzo(k)fluoranthene	840.	U
50-32-8	Benzo(a)pyrene	840.	U
193-39-5	Indeno(1,2,3-cd)pyrene	840.	U
53-70-3	Dibenz(a,h)anthracene	840.	U
191-24-2	Benzo(g,h,i)perylene	840.	U

(1) - Cannot be separated from diphenylamine

1F

EPA SAMPLE NO. 000419

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ELF75

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-06A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ELF75

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 2/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	5.13	1000.	J A
2. - -	UNKNOWN HYDROCARBON	5.77	500.	J
3. - -	UNKNOWN	6.00	40000.	J A
4. - -	UNKNOWN HYDROCARBON	8.35	1000.	J
5. - -	UNKNOWN	9.95	900.	J
6. - -	UNKNOWN	10.22	400.	J A
7. - -	UNKNOWN	11.22	2000.	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF76

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-07A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ELF76

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 10. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 6/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	730.	IU
111-44-4	bis(2-Chloroethyl)ether	730.	IU
95-57-8	2-Chlorophenol	730.	IU
541-73-1	1,3-Dichlorobenzene	730.	IU
106-46-7	1,4-Dichlorobenzene	730.	IU
100-51-6	Benzyl alcohol	730.	IU
95-50-1	1,2-Dichlorobenzene	730.	IU
95-48-7	2-Methylphenol	730.	IU
108-60-1	bis(2-Chloroisopropyl)ether	730.	IU
106-44-5	4-Methylphenol	730.	IU
621-64-7	N-Nitroso-di-n-propylamine	730.	IU
67-72-1	Hexachloroethane	730.	IU
98-95-3	Nitrobenzene	730.	IU
78-59-1	Isophorone	730.	IU
88-75-5	2-Nitrophenol	730.	IU
105-67-9	2,4-Dimethylphenol	730.	IU
65-85-0	Benzoic acid	3500.	IU
111-91-1	bis(2-Chloroethoxy)methane	730.	IU
120-83-2	2,4-Dichlorophenol	730.	IU
120-82-1	1,2,4-Trichlorobenzene	730.	IU
91-20-3	Naphthalene	730.	IU
106-47-8	4-Chloroaniline	730.	IU
87-68-3	Hexachlorobutadiene	730.	IU
59-50-7	4-Chloro-3-methylphenol	730.	IU
91-57-6	2-Methylnaphthalene	730.	IU
77-47-4	Hexachlorocyclopentadiene	730.	IU
88-06-2	2,4,6-Trichlorophenol	730.	IU
95-95-4	2,4,5-Trichlorophenol	3500.	IU
91-58-7	2-Chloronaphthalene	730.	IU
88-74-4	2-Nitroaniline	3500.	IU
131-11-3	Dimethylphthalate	730.	IU
208-96-8	Acenaphthylene	730.	IU
606-20-2	2,6-Dinitrotoluene	730.	IU

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF76

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-07A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ELF76

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 10. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 6/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3500.	U
83-32-9	Acenaphthene	730.	U
51-28-5	2,4-Dinitrophenol	3500.	U
100-02-7	4-Nitrophenol	3500.	U
132-64-9	Dibenzofuran	730.	U
121-14-2	2,4-Dinitrotoluene	730.	U
84-66-2	Diethylphthalate	730.	U
7005-72-3	4-Chlorophenyl-phenylether	730.	U
86-73-7	Fluorene	730.	U
100-01-6	4-Nitroaniline	3500.	U
534-52-1	4,6-Dinitro-2-methylphenol	3500.	U
86-30-6	N-Nitrosodiphenylamine (1)	730.	U
101-55-3	4-Bromophenyl-phenylether	730.	U
118-74-1	Hexachlorobenzene	730.	U
87-86-5	Pentachlorophenol	3500.	U
85-01-8	Phenanthrene	730.	U
120-12-7	Anthracene	730.	U
84-74-2	Di-n-butylphthalate	730.	U
206-44-0	Fluoranthene	730.	U
129-00-0	Pyrene	730.	U
85-68-7	Butylbenzylphthalate	730.	U
91-94-1	3,3'-Dichlorobenzidine	1500.	U
56-55-3	Benzo(a)anthracene	730.	U
218-01-9	Chrysene	730.	U
117-81-7	bis(2-Ethylhexyl)phthalate	730.	U
117-84-0	Di-n-octylphthalate	730.	U
205-99-2	Benzo(b)fluoranthene	730.	U
207-08-9	Benzo(k)fluoranthene	730.	U
50-32-8	Benzo(a)pyrene	730.	U
193-39-5	Indeno(1,2,3-cd)pyrene	730.	U
53-70-3	Dibenz(a,h)anthracene	730.	U
191-24-2	Benzo(g,h,i)perylene	730.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ELF76

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-07A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ELF76

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 10. dec.____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/ 6/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	4.72	1000.	J A
2.	- -	UNKNOWN HYDROCARBON	5.38	400.	J
3.	- -	UNKNOWN	5.63	30000.	J A
4.	- -	UNKNOWN HYDROCARBON	6.03	500.	J
5.	- -	UNKNOWN	8.07	1000.	J
6.	- -	UNKNOWN	9.68	500.	J
7.	- -	UNKNOWN HYDROCARBON	9.95	400.	J
8.	- -	UNKNOWN	10.95	1000.	J
9.	- -	UNKNOWN	31.37	5000.	J
10.					
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000574

EPA SAMPLE NO.

EBL13

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: LBP013

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 17. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/15/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19.	U
319-85-7	beta-BHC	19.	U
319-86-8	delta-BHC	19.	U
58-89-9	gamma-BHC	19.	U
76-44-8	Heptachlor	19.	U
309-00-2	Aldrin	19.	U
1024-57-3	Heptachlor epoxide	19.	U
959-98-8	Endosulfan I	19.	U
60-57-1	Dieldrin	39.	U
72-55-9	4,4'-DDE	39.	U
72-20-8	Endrin	39.	U
33213-65-9	Endosulfan II	39.	U
72-54-8	4,4'-DDD	39.	U
1031-07-8	Endosulfan sulfate	39.	U
50-29-3	4,4'-DDT	39.	U
72-43-5	Methoxychlor	190.	U
53494-70-5	Endrin ketone	39.	U
5103-71-9	alpha-Chlordane	190.	U
5103-74-2	gamma-Chlordane	190.	U
8001-35-2	Toxaphene	390.	U
12674-11-2	Aroclor-1016	190.	U
11104-28-2	Aroclor-1221	190.	U
11141-16-5	Aroclor-1232	190.	U
53469-21-9	Aroclor-1242	190.	U
12672-29-6	Aroclor-1248	190.	U
11097-69-1	Aroclor-1254	390.	U
11096-82-5	Aroclor-1260	390.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FBL14

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-274-02A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: LBP014

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 20. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/15/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20.	U
319-85-7	beta-BHC	20.	U
319-86-8	delta-BHC	20.	U
58-89-9	gamma-BHC	20.	U
76-44-8	Heptachlor	20.	U
309-00-2	Aldrin	20.	U
1024-57-3	Heptachlor epoxide	20.	U
959-98-8	Endosulfan I	20.	U
60-57-1	Dieldrin	40.	U
72-55-9	4,4'-DDE	40.	U
72-20-8	Endrin	40.	U
33213-65-9	Endosulfan II	40.	U
72-54-8	4,4'-DDD	40.	U
1031-07-8	Endosulfan sulfate	40.	U
50-29-3	4,4'-DDT	40.	U
72-43-5	Methoxychlor	200.	U
53494-70-5	Endrin ketone	40.	U
5103-71-9	alpha-Chlordane	200.	U
5103-74-2	gamma-Chlordane	200.	U
8001-35-2	Toxaphene	400.	U
12674-11-2	Aroclor-1016	200.	U
11104-28-2	Aroclor-1221	200.	U
11141-16-5	Aroclor-1232	200.	U
53469-21-9	Aroclor-1242	200.	U
12672-29-6	Aroclor-1248	200.	U
11097-69-1	Aroclor-1254	400.	U
11096-82-5	Aroclor-1260	400.	U

000592

EPA SAMPLE NO.

EBL15

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBL13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-03A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: LBP015

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 21. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/15/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 10.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	200.	U
319-85-7	beta-BHC	200.	U
319-86-8	delta-BHC	200.	U
58-89-9	gamma-BHC	200.	U
76-44-8	Heptachlor	200.	U
309-00-2	Aldrin	200.	U
1024-57-3	Heptachlor epoxide	200.	U
959-98-8	Endosulfan I	200.	U
60-57-1	Dieldrin	400.	U
72-55-9	4,4'-DDE	400.	U
72-20-8	Endrin	400.	U
33213-65-9	Endosulfan II	400.	U
72-54-8	4,4'-DDD	400.	U
1031-07-8	Endosulfan sulfate	400.	U
50-29-3	4,4'-DDT	400.	U
72-43-5	Methoxychlor	2000.	U
53494-70-5	Endrin ketone	400.	U
5103-71-9	alpha-Chlordane	2000.	U
5103-74-2	gamma-Chlordane	2000.	U
8001-35-2	Toxaphene	4000.	U
12674-11-2	Aroclor-1016	2000.	U
11104-28-2	Aroclor-1221	2000.	U
11141-16-5	Aroclor-1232	2000.	U
53469-21-9	Aroclor-1242	2000.	U
12672-29-6	Aroclor-1248	2000.	U
11097-69-1	Aroclor-1254	4000.	U
11096-82-5	Aroclor-1260	4000.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FDI 17

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: ERI 13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-04A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: LBP017

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 12. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	36.	U
72-55-9	4,4'-DDE	36.	U
72-20-8	Endrin	36.	U
33213-65-9	Endosulfan II	36.	U
72-54-8	4,4'-DDD	36.	U
1031-07-8	Endosulfan sulfate	36.	U
50-29-3	4,4'-DDT	36.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	36.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	360.	U
12674-11-2	Aroclor-1016	180.	U
11104-28-2	Aroclor-1221	180.	U
11141-16-5	Aroclor-1232	180.	U
53469-21-9	Aroclor-1242	180.	U
12672-29-6	Aroclor-1248	180.	U
11097-69-1	Aroclor-1254	360.	U
11096-82-5	Aroclor-1260	360.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLF74

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: EBI 13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-274-05A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: LBP074

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 7. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	17.	U
319-85-7	beta-BHC	17.	U
319-86-8	delta-BHC	17.	U
58-89-9	gamma-BHC	17.	U
76-44-8	Heptachlor	17.	U
309-00-2	Aldrin	17.	U
1024-57-3	Heptachlor epoxide	17.	U
959-98-8	Endosulfan I	17.	U
60-57-1	Dieldrin	34.	U
72-55-9	4,4'-DDE	34.	U
72-20-8	Endrin	34.	U
33213-65-9	Endosulfan II	34.	U
72-54-8	4,4'-DDD	34.	U
1031-07-8	Endosulfan sulfate	34.	U
50-29-3	4,4'-DDT	34.	U
72-43-5	Methoxychlor	170.	U
53494-70-5	Endrin ketone	34.	U
5103-71-9	alpha-Chlordane	170.	U
5103-74-2	gamma-Chlordane	170.	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	170.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	340.	U
11096-82-5	Aroclor-1260	340.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF75

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: ERI 13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-274-06A

Sample wt/vol: 30.1 (g/ml) G Lab File ID: LRP075

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 22. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	20.	U
319-85-7	beta-BHC	20.	U
319-86-8	delta-BHC	20.	U
58-89-9	gamma-BHC	20.	U
76-44-8	Heptachlor	20.	U
309-00-2	Aldrin	20.	U
1024-57-3	Heptachlor epoxide	20.	U
959-98-8	Endosulfan I	20.	U
60-57-1	Dieldrin	41.	U
72-55-9	4,4'-DDE	41.	U
72-20-8	Endrin	41.	U
33213-65-9	Endosulfan II	41.	U
72-54-8	4,4'-DDD	41.	U
1031-07-8	Endosulfan sulfate	41.	U
50-29-3	4,4'-DDT	41.	U
72-43-5	Methoxychlor	200.	U
53494-70-5	Endrin ketone	41.	U
5103-71-9	alpha-Chlordane	200.	U
5103-74-2	gamma-Chlordane	200.	U
8001-35-2	Toxaphene	410.	U
12674-11-2	Aroclor-1016	200.	U
11104-28-2	Aroclor-1221	200.	U
11141-16-5	Aroclor-1232	200.	U
53469-21-9	Aroclor-1242	200.	U
12672-29-6	Aroclor-1248	200.	U
11097-69-1	Aroclor-1254	410.	U
11096-82-5	Aroclor-1260	410.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ELF76

Lab Name: PEI Contract: 68-D9-0037

Lab Code: PEI Case No.: 15112 SAS No.: SDG No.: ERI 13

Matrix: (soil/water) SOIL Lab Sample ID: X0-10-224-07A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: LBP076

Level: (low/med) LOW Date Received: 10/19/90

% Moisture: not dec. 10. dec._____ Date Extracted: 10/28/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/14/90

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	35.	U
72-55-9	4,4'-DDE	35.	U
72-20-8	Endrin	35.	U
33213-65-9	Endosulfan II	35.	U
72-54-8	4,4'-DDD	35.	U
1031-07-8	Endosulfan sulfate	35.	U
50-29-3	4,4'-DDT	35.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	35.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	350.	U
12674-11-2	Aroclor-1016	180.	U
11104-28-2	Aroclor-1221	180.	U
11141-16-5	Aroclor-1232	180.	U
53469-21-9	Aroclor-1242	180.	U
12672-29-6	Aroclor-1248	180.	U
11097-69-1	Aroclor-1254	350.	U
11096-82-5	Aroclor-1260	350.	U