1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASW7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336G

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F55336G

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 17 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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

EPA SAMPLE NO.
SS28

EASW8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336H

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F55336H

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 19 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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	12	U
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

0' 0092

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASW8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336H

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F55336H

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 19 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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

EPA SAMPLE NO.
SS29

EASW9

La' Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336IRE

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F55336IRE

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 11 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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	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	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASW9

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336IRE

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F55336IRE

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 11 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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

EPA SAMPLE NO.
SS30

EASX0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336J

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F55336J

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 11 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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	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	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASX0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F55336J

Sample wt/vol: 5.2 (g/mL) G Lab File ID: F55336J

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. 11 Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (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

EPA SAMPLE NO.
FB1

EASX1

L Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F55336K

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F55336K

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. ____ Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASX1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F55336K

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: F55336K

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: not dec. ____ Date Analyzed: 12/07/95

GC Column: CAP ID: 0.250 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

I Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	EASX1	80	77	113	67	78	69	72	68	0
02	SBLK01	77	70	92	64	74	61	68	62	0

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

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

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	EASW1	67	79	87	64	65	62	63	63	0
02	EASW1DL	64 D	75 D	80 D	62 D	60 D	52 D	63 D	63 D	0
03	EASW2	52	62	95	49	48	71	50	53	0
04	EASW3	56	67	78	55	54	38	56	54	0
05	EASW4	47	57	84	46	45	53	47	49	0
06	EASW5	55	65	83	53	51	45	54	55	0
07	EASW6	56	69	76	56	51	58	55	52	0
08	EASW7	54	67	80	56	54	53	57	54	0
09	EASW8	57	70	88	57	55	59	58	55	0
10	EASW9	62	72	81	60	61	57	62	64	0
11	EASX0	59	65	85	55	55	62	58	62	0
12	EASW2MS	48	52	77	45	43	59	46	49	0
13	EASW2MSD	56	59	79	49	48	68	51	52	0
14	SBLK02	66	72	90	62	64	55	66	74	0
15	SBLK03	58	63	70	52	53	46	54	63	0

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

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

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix Spike - EPA Sample No.: EASW2 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2940	0	1921	65	26- 90
2-Chlorophenol	2940	0	1561	53	25-102
1,4-Dichlorobenzene	1960	0	979.9	50	28-104
N-Nitroso-di-n-prop.(1)	1960	0	1155	59	41-126
1,2,4-Trichlorobenzene	1960	0	1065	54	38-107
4-Chloro-3-methylphenol	2940	0	2401	82	26-103
Acenaphthene	1960	0	1238	63	31-137
4-Nitrophenol	2940	0	3077	105	11-114
2,4-Dinitrotoluene	1960	0	1765	90 *	28- 89
Pentachlorophenol	2940	0	895.6	30	17-109
Pyrene	1960	1561	2941	70	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2940	2101	71	9	35	26- 90
2-Chlorophenol	2940	1728	59	11	50	25-102
1,4-Dichlorobenzene	1960	1039	53	6	27	28-104
N-Nitroso-di-n-prop.(1)	1960	1319	67	13	38	41-126
1,2,4-Trichlorobenzene	1960	1247	64	17	23	38-107
4-Chloro-3-methylphenol	2940	2886	98	18	33	26-103
Acenaphthene	1960	1374	70	11	19	31-137
4-Nitrophenol	2940	4000	136 *	26	50	11-114
2,4-Dinitrotoluene	1960	2052	105 *	15	47	28- 89
Pentachlorophenol	2940	1392	47	44	47	17-109
Pyrene	1960	2722	59	17	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: 3 out of 22 outside limits

COMMENTS:

0 0252

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Lab File ID: F85336MBW Lab Sample ID: F85336MBW

Instrument ID: FINN8 Date Extracted: 11/30/95

Matrix: (soil/water) WATER Date Analyzed: 12/17/95

Level:(low/med) LOW Time Analyzed: 0158

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EASX1	F85336K	F85336K	12/17/95

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK02

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Lab File ID: F85336MBS Lab Sample ID: F85336MBS

Instrument ID: FINN8 Date Extracted: 12/06/95

Matrix: (soil/water) SOIL Date Analyzed: 12/21/95

Level:(low/med) LOW Time Analyzed: 1656

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EASW1	F85336A	F85336A	12/21/95
02	EASW1DL	F85336ADL	F85336ADL	12/22/95
03	EASW3	F85336C	F85336C	12/21/95
04	EASW4	F85336D	F85336D	12/21/95
05	EASW5	F85336E	F85336E	12/21/95
06	EASW6	F85336F	F85336F	12/21/95
07	EASW7	F85336G	F85336G	12/21/95
08	EASW8	F85336H	F85336H	12/21/95
09	EASW9	F85336I	F85336I	12/21/95
10	EASX0	F85336J	F85336J	12/22/95

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK03

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Lab File ID: F85336MBS2 Lab Sample ID: F85336MBS

Instrument ID: FINN8 Date Extracted: 12/08/95

Matrix: (soil/water) SOIL Date Analyzed: 12/22/95

Level:(low/med) LOW Time Analyzed: 0050

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EASW2	F85336B	F85336B	12/22/95
02	EASW2MS	F85336BMS	F85336BMS	12/22/95
03	EASW2MSD	F85336BMSD	F85336BMSD	12/22/95

COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F85336MBW

Sample wt/vol: 1000 (g/mL) ML Lab File ID: F85336MBW

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/30/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F85336MBW

Sample wt/vol: 1000 (g/mL) ML Lab File ID: F85336MBW

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/30/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F85336MBW

Sample wt/vol: 1000 (g/mL) ML Lab File ID: F85336MBW

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

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/30/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336MBS

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336MBS

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

0· 1364

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK02

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336MBS

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336MBS2

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336MBS2

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK03

Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336MBS2

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/08/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 43)	8.12	75	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS21

EASW1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336A

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	340	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	280	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	600	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS21

EASW1

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336A

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	480	✓
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	680	✓
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	5800	E ✓
120-12-7	Anthracene	1400	✓
86-74-8	Carbazole	590	✓
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	6500	E ✓
129-00-0	Pyrene	6700	E ✓
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	3800	E ✓
218-01-9	Chrysene	4000	E ✓
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	3800	E ✓
207-08-9	Benzo(k)Fluoranthene	1600	✓
50-32-8	Benzo(a)Pyrene	3400	E ✓
193-39-5	Indeno(1,2,3-cd)Pyrene	2400	✓
53-70-3	Dibenz(a,h)Anthracene	920	✓
191-24-2	Benzo(g,h,i)Perylene	1800	✓

(1) - Cannot be separated from Diphenylamine

0' 0268

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS21

EASW1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336A

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	DIMETHYLNAPHTHALENE ISOMER (	15.35	550	J
2.	C13.H10.O ISOMER (BP M/E 182	18.70	730	J
3.	UNKNOWN (BP M/E 180)	20.18	870	J
4. 132-65-0	DIBENZOTHIOPHENE	20.35	490	JN
5.	C15.H12 PNA (BP M/E 192)	22.27	1100	J
6.	C15.H12 PNA (BP M/E 192)	22.35	1300	J
7.	C15.H12 PNA (BP M/E 192)	22.45	640	J
8.	C15.H10 PNA (BP M/E 190)	22.55	1000	J
9.	C15.H12 PNA (BP M/E 192)	22.60	800	J
10.	C15.H12 PNA (BP M/E 192)	22.65	530	J
11.	C16.H12 PNA COELUTE (BP M/E	23.27	1300	J
12.	C16.H14 PNA (BP M/E 206)	24.03	500	J
13.	C15.H8.O ISOMER (BP M/E 204)	24.20	500	J
14.	BENZONAPHTHOFURAN ISOMER (BP	25.07	1000	J
15.	BENZONAPHTHOFURAN ISOMER (BP	25.45	920	J
16.	C17.H12 PNA (BP M/E 216)	26.12	1200	J
17.	C17.H12 PNA (BP M/E 216)	26.37	560	J
18.	C17.H12 PNA (BP M/E 216)	26.63	560	J
19.	UNKNOWN PNA (BP M/E 226)	28.05	990	J
20.	C17.H11.N ISOMER COELUTE (BP	28.17	500	J
21.	C17.H10.O ISOMER (BP M/E 230	28.32	530	J
22.	C19.H14 PNA (BP M/E 242)	29.98	600	J
23.	C20.H12 PNA (BP M/E 252)	32.08	620	J
24.	UNKNOWN HC COELUTE (BP M/E 5	32.40	1300	J
25.	C20.H12 PNA (BP M/E 252)	32.52	1400	J
26.	C20.H12 PNA (BP M/E 252)	32.85	520	J
27.	UNKNOWN HC COELUTE (BP M/E 5	32.98	2300	J
28.	C22.H14 PNA COELUTE (BP M/E	35.83	730	J
29.	UNKNOWN HC COELUTE (BP M/E 5	36.47	680	J
30.	STIGMASTENOL ISOMER (BP M/E	36.58	570	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASW1DL

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336ADL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336ADL

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4000	U
100-02-7	4-Nitrophenol	4000	U
132-64-9	Dibenzofuran	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
86-73-7	Fluorene	1600	U
100-01-6	4-Nitroaniline	4000	U
534-52-1	4,6-Dinitro-2-methylphenol	4000	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	4000	U
85-01-8	Phenanthrene	6300	D
120-12-7	Anthracene	1600	D
86-74-8	Carbazole	1600	U
84-74-2	Di-n-Butylphthalate	1600	U
206-44-0	Fluoranthene	8200	D
129-00-0	Pyrene	6600	D
85-68-7	Butylbenzylphthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	3700	D
218-01-9	Chrysene	3900	D
117-81-7	bis(2-Ethylhexyl)Phthalate	1600	U
117-84-0	Di-n-Octyl Phthalate	1600	U
205-99-2	Benzo(b)Fluoranthene	3000	D
207-08-9	Benzo(k)Fluoranthene	2400	D
50-32-8	Benzo(a)Pyrene	3300	D
193-39-5	Indeno(1,2,3-cd)Pyrene	1900	D
53-70-3	Dibenz(a,h)Anthracene	880	DJ
191-24-2	Benzo(g,h,i)Perylene	1800	D

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASW1DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336ADL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336ADL

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-Di-n-Propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	4000	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	4000	U
83-32-9	Acenaphthene	1600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASW1DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336ADL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336ADL

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 4.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 180)	20.13	790	J
2.	C15.H12 PNA (BP M/E 192)	22.22	1000	J
3.	C15.H12 PNA (BP M/E 192)	22.28	1100	J
4.	C15.H12 PNA (BP M/E 192)	22.40	720	J
5.	C15.H10 PNA (BP M/E 190)	22.48	1000	J
6.	C15.H12 PNA (BP M/E 192)	22.53	640	J
7.	C15.H12 PNA (BP M/E 192)	22.60	680	J
8.	C16.H12 PNA COELUTE (BP M/E	23.22	1000	J
9.	C16.H14 PNA (BP M/E 206)	23.98	590	J
10.	BENZONAPHTHOFURAN ISOMER (BP	25.38	990	J
11.	C17.H12 PNA COELUTE (BP M/E	25.97	600	J
12.	C17.H12 PNA (BP M/E 216)	26.05	1400	J
13.	C17.H12 PNA (BP M/E 216)	26.30	700	J
14.	UNKNOWN (BP M/E 232)	26.43	650	J
15.	C17.H12 PNA (BP M/E 216)	26.57	570	J
16.	C17.H10.O ISOMER (BP M/E 230	27.60	830	J
17.	C18.H12 PNA (BP M/E 228)	28.00	1300	J
18.	C17.H11.N ISOMER COELUTE (BP	28.12	720	J
19.	C17.H10.O ISOMER (BP M/E 230	28.25	670	J
20.	C18.H12 PNA (BP M/E 228)	28.93	590	J
21.	C19.H14 PNA (BP M/E 242)	29.92	830	J
22.	UNKNOWN PNA (BP M/E 120)	30.28	540	J
23.	C20.H12 PNA (BP M/E 252)	32.00	790	J
24.	UNKNOWN HC COELUTE (BP M/E 4	32.35	1800	J
25.	C20.H12 PNA (BP M/E 252)	32.43	1800	J
26.	UNKNOWN HC COELUTE (BP M/E 5	32.92	2600	J
27.	C22.H14 PNA COELUTE (BP M/E	35.75	640	J
28.	UNKNOWN HC COELUTE (BP M/E 5	36.40	650	J
29.	UNKNOWN STEROL (BP M/E 43)	36.50	810	J
30.	UNKNOWN (BP M/E 55)	37.62	520	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS22

EASW2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336B

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/08/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS22

EASW2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336B

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/08/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	300	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	740	
218-01-9	Chrysene	820	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	670	
207-08-9	Benzo(k)Fluoranthene	500	
50-32-8	Benzo(a)Pyrene	650	
193-39-5	Indeno(1,2,3-cd)Pyrene	450	
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	270	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS22

EASW2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336B

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/08/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 180)	20.18	130	J
2. 132-65-0	DIBENZOTHIOPHENE	20.35	88	JN
3.	UNKNOWN PNA (BP M/E 188)	20.68	1200	J
4.	C15.H12 PNA (BP M/E 192)	22.27	340	J
5.	C15.H12 PNA (BP M/E 192)	22.33	360	J
6.	C15.H12 PNA (BP M/E 192)	22.45	180	J
7.	C15.H10 PNA (BP M/E 190)	22.53	400	J
8.	C15.H12 PNA (BP M/E 192)	22.58	180	J
9.	C15.H12 PNA (BP M/E 192)	22.63	180	J
10.	C16.H12 PNA COELUTE (BP M/E	23.25	440	J
11.	C16.H14 PNA (BP M/E 206)	24.02	160	J
12.	BENZONAPHTHOFURAN ISOMER (BP	25.03	400	J
13.	BENZONAPHTHOFURAN ISOMER (BP	25.42	210	J
14.	C17.H12 PNA (BP M/E 216)	26.10	360	J
15.	C17.H12 PNA (BP M/E 216)	26.35	170	J
16.	UNKNOWN (BP M/E 232)	26.47	190	J
17.	C17.H10.O ISOMER (BP M/E 230	27.65	210	J
18.	UNKNOWN PNA (BP M/E 226)	28.03	370	J
19.	C17.H11.N ISOMER COELUTE (BP	28.15	210	J
20.	C17.H10.O ISOMER (BP M/E 230	28.28	160	J
21.	C16.H11.N ISOMER (BP M/E 217	28.85	180	J
22.	C18.H12 PNA (BP M/E 228)	28.98	160	J
23.	C20.H12 PNA/HC COELUTE (BP M	32.03	230	J
24.	UNKNOWN HC COELUTE (BP M/E 4	32.38	1100	J
25.	C20.H12 PNA (BP M/E 252)	32.47	400	J
26.	UNKNOWN HC COELUTE (BP M/E 5	32.95	1600	J
27.	UNKNOWN HC COELUTE (BP M/E 4	34.18	190	J
28.	UNKNOWN HC COELUTE (BP M/E 5	35.92	220	J
29.	UNKNOWN (BP M/E 43)	36.58	160	J
30.	UNKNOWN (BP M/E 40)	37.67	160	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 23

EASW3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

L , Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336C

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 22 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS23

EASW3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336C

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 22 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	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	380	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	690	
129-00-0	Pyrene	580	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)Anthracene	330	J
218-01-9	Chrysene	410	J
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U
205-99-2	Benzo(b)Fluoranthene	370	J
207-08-9	Benzo(k)Fluoranthene	250	J
50-32-8	Benzo(a)Pyrene	330	J
193-39-5	Indeno(1,2,3-cd)Pyrene	340	J
53-70-3	Dibenz(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	280	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS23

EASW3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336C

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 22 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1002-84-2	PENTADECANOIC ACID	21.48	310	JN
2.	UNKNOWN ACID (BP M/E 57)	21.58	180	J
.	UNKNOWN (BP M/E 55)	22.98	320	J
4. 57-10-3	HEXADECANOIC ACID	23.23	620	JN
5.	UNKNOWN (BP M/E 57)	23.77	260	J
6.	UNKNOWN (BP M/E 41)	25.35	190	J
7.	UNKNOWN (BP M/E 55)	25.40	300	J
8. 57-11-4	OCTADECANOIC ACID	25.62	160	JN
9.	C18.H12 PNA COELUTE (BP M/E	28.03	250	J
10.	UNKNOWN HC COELUTE (BP M/E 4	29.10	290	J
11.	UNKNOWN HC COELUTE (BP M/E 4	30.48	140	J
12.	UNKNOWN HC COELUTE (BP M/E 5	31.10	990	J
13.	C16.H25.N ISOMER (BP M/E 69)	32.30	200	J
14.	UNKNOWN HC COELUTE (BP M/E 5	32.40	4300	J
15.	UNKNOWN HC COELUTE (BP M/E 4	32.98	8300	J
16.	UNKNOWN (BP M/E 55)	33.53	130	J
17.	UNKNOWN HC COELUTE (BP M/E 4	34.18	700	J
18.	CHOLESTENOL ISOMER (BP M/E 4	34.88	3500	J
19.	UNKNOWN STEROL (BP M/E 69)	35.28	470	J
20.	ERGOSTENOL ISOMER (BP M/E 43	35.80	860	J
21.	UNKNOWN HC COELUTE (BP M/E 4	35.90	590	J
22.	UNKNOWN STEROL (BP M/E 55)	36.08	450	J
23.	UNKNOWN HC COELUTE (BP M/E 5	36.45	510	J
24.	STIGMASTENOL ISOMER (BP M/E	36.57	1200	J
25.	UNKNOWN (BP M/E 43)	37.00	250	J
26.	UNKNOWN (BP M/E 55)	37.22	290	J
27.	UNKNOWN (BP M/E 43)	37.50	200	J
.	UNKNOWN (BP M/E 218)	37.67	730	J
[illegible]	UNKNOWN (BP M/E 43)	38.03	950	J
30.	UNKNOWN (BP M/E 43)	38.67	160	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS24

EASW4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336D

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS24

EASW4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336D

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	430	
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	730	
129-00-0	Pyrene	710	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	370	J
218-01-9	Chrysene	430	
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	410	
207-08-9	Benzo(k)Fluoranthene	260	J
50-32-8	Benzo(a)Pyrene	360	J
193-39-5	Indeno(1,2,3-cd)Pyrene	300	J
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	210	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
5524

EASW4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336D

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C15.H12 PNA (BP M/E 192)	22.25	140	J
2.	C15.H12 PNA (BP M/E 192)	22.32	150	J
3.	C15.H10 PNA (BP M/E 190)	22.52	150	J
4.	UNKNOWN (BP M/E 55)	23.07	120	J
5.	C16.H12 PNA COELUTE (BP M/E	23.23	370	J
6.	BENZONAPHTHOFURAN ISOMER (BP	25.03	120	J
7.	BENZONAPHTHOFURAN ISOMER (BP	25.42	140	J
8.	UNKNOWN (BP M/E 56)	25.85	340	J
9.	C17.H12 PNA (BP M/E 216)	26.08	210	J
10.	C17.H10.O ISOMER (BP M/E 230	27.63	150	J
11.	UNKNOWN (BP M/E 56)	28.03	810	J
12.	C17.H10.O ISOMER (BP M/E 41)	29.12	120	J
13.	C16.H11.N ISOMER COELUTE (BP	29.50	120	J
14.	UNKNOWN (BP M/E 254)	30.32	140	J
15.	UNKNOWN HC COELUTE (BP M/E 5	31.10	370	J
16.	C20.H12 PNA/HC COELUTE (BP M	32.03	180	J
17.	UNKNOWN HC COELUTE (BP M/E 5	32.38	1500	J
18.	C20.H12 PNA (BP M/E 252)	32.45	180	J
19.	UNKNOWN HC COELUTE (BP M/E 5	32.95	2400	J
20.	UNKNOWN HC COELUTE (BP M/E 4	34.18	340	J
21.	UNKNOWN (BP M/E 83)	34.72	180	J
22.	UNKNOWN (BP M/E 43)	34.87	140	J
23.	UNKNOWN STEROL (BP M/E 43)	35.78	220	J
24.	UNKNOWN HC COELUTE (BP M/E 4	35.90	410	J
25.	UNKNOWN (BP M/E 43)	36.07	130	J
26.	UNKNOWN STEROL (BP M/E 43)	36.57	370	J
27.	UNKNOWN (BP M/E 43)	37.18	150	J
28.	UNKNOWN (BP M/E 218)	37.65	390	J
29.	UNKNOWN (BP M/E 43)	38.02	610	J
30.	UNKNOWN (BP M/E 43)	38.85	390	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS25

EASW5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336E

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336E

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 24 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

EPA SAMPLE NO.
SS25

EASW5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336E

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336E

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 24 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	780	
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	440	U
206-44-0	Fluoranthene	990	
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	500	
218-01-9	Chrysene	580	
117-81-7	bis(2-Ethylhexyl)Phthalate	440	U
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	510	
207-08-9	Benzo(k)Fluoranthene	330	J
50-32-8	Benzo(a)Pyrene	350	J
193-39-5	Indeno(1,2,3-cd)Pyrene	450	
53-70-3	Dibenz(a,h)Anthracene	440	U
191-24-2	Benzo(g,h,i)Perylene	330	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS25

EASW5

I ` Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336E

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336E

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 24 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1002-84-2	PENTADECANOIC ACID	21.48	280	JN
2.	UNKNOWN ACID (BP M/E 57)	21.58	220	J
3.	C15.H12 PNA (BP M/E 192)	22.25	220	J
4.	C15.H10 PNA (BP M/E 190)	22.52	250	J
5.	UNKNOWN (BP M/E 55)	22.98	450	J
6.	UNKNOWN (BP M/E 55)	23.08	240	J
7. 57-10-3	HEXADECANOIC ACID	23.23	880	JN
8.	UNKNOWN (BP M/E 43)	23.77	250	J
9.	UNKNOWN (BP M/E 55)	25.35	210	J
10.	BENZONAPHTHOFURAN ISOMER COE	25.40	300	J
11.	C17.H12 PNA (BP M/E 216)	26.08	230	J
12.	UNKNOWN PNA COELUTE (BP M/E	28.02	310	J
13.	UNKNOWN HC COELUTE (BP M/E 4	29.10	290	J
14.	UNKNOWN HC COELUTE (BP M/E 5	31.10	720	J
15.	C16.H25.N ISOMER (BP M/E 69)	32.30	300	J
16.	UNKNOWN HC COELUTE (BP M/E 5	32.38	2700	J
17.	C20.H12 PNA (BP M/E 252)	32.57	450	J
18.	UNKNOWN HC COELUTE (BP M/E 5	32.97	6700	J
19.	UNKNOWN HC COELUTE (BP M/E 5	34.17	460	J
20.	CHOLESTENOL ISOMER (BP M/E 4	34.87	700	J
21.	UNKNOWN (BP M/E 69)	35.28	260	J
22.	ERGOSTENOL ISOMER (BP M/E 43	35.78	620	J
23.	UNKNOWN HC COELUTE (BP M/E 4	35.90	540	J
24.	STIGMASTADIENOL ISOMER (BP M	36.07	400	J
25.	UNKNOWN HC COELUTE (BP M/E 4	36.45	520	J
26.	STIGMASTENOL ISOMER (BP M/E	36.57	1300	J
27.	UNKNOWN (BP M/E 55)	37.20	430	J
.	UNKNOWN (BP M/E 43)	37.48	220	J
29.	UNKNOWN (BP M/E 43)	37.67	890	J
30.	UNKNOWN (BP M/E 43)	38.02	870	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS26

EASW6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336F

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336F

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.
SS26

EASW6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336F

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336F

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	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	1300	
120-12-7	Anthracene	240	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	460	U
206-44-0	Fluoranthene	1800	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)Anthracene	1100	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	1300	
207-08-9	Benzo(k)Fluoranthene	570	
50-32-8	Benzo(a)Pyrene	1000	
193-39-5	Indeno(1,2,3-cd)Pyrene	900	
53-70-3	Dibenz(a,h)Anthracene	270	J
191-24-2	Benzo(g,h,i)Perylene	690	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS26

EASW6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336F

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336F

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 27 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 181)	20.13	160	J
2. 1002-84-2	PENTADECANOIC ACID	21.52	530	JN
3.	UNKNOWN ACID (BP M/E 57)	21.62	210	J
4.	C15.H12 PNA (BP M/E 192)	22.27	310	J
5.	C15.H12 PNA (BP M/E 192)	22.33	320	J
6.	C15.H10 PNA (BP M/E 190)	22.53	350	J
7.	UNKNOWN (BP M/E 55)	23.02	570	J
8.	UNKNOWN (BP M/E 55)	23.12	260	J
9. 57-10-3	HEXADECANOIC ACID	23.27	950	JN
10.	UNKNOWN (BP M/E 43)	23.80	290	J
11.	BENZONAPHTHOFURAN ISOMER (BP	25.05	320	J
12.	BENZONAPHTHOFURAN ISOMER (BP	25.43	440	J
13.	C17.H12 PNA (BP M/E 216)	26.10	400	J
14.	UNKNOWN (BP M/E 56)	28.05	720	J
15.	UNKNOWN HC COELUTE (BP M/E 4	29.12	320	J
16.	C20.H12 PNA/HC COELUTE (BP M	32.07	460	J
17.	UNKNOWN HC COELUTE (BP M/E 4	32.42	4000	J
18.	C20.H12 PNA (BP M/E 252)	32.50	530	J
19.	UNKNOWN HC COELUTE (BP M/E 5	33.00	6900	J
20.	UNKNOWN HC COELUTE (BP M/E 4	33.13	260	J
21.	UNKNOWN (BP M/E 43)	33.30	330	J
22.	UNKNOWN HC COELUTE (BP M/E 5	34.20	1400	J
23.	UNKNOWN (BP M/E 43)	34.88	440	J
24.	ERGOSTENOL ISOMER (BP M/E 43	35.82	590	J
25.	UNKNOWN HC COELUTE (BP M/E 4	35.93	740	J
26.	UNKNOWN (BP M/E 55)	36.10	380	J
27.	UNKNOWN STEROL (BP M/E 43)	36.60	1600	J
28.	UNKNOWN (BP M/E 43)	37.03	560	J
29.	UNKNOWN (BP M/E 43)	37.23	350	J
30.	STIGMASTENOL ISOMER (BP M/E	37.75	710	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS27

EASW7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336G

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 27

EASW7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336G

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

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	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	410	
86-74-8	Carbazole	220	J
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	2200	
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	1200	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	1000	
207-08-9	Benzo(k)Fluoranthene	790	
50-32-8	Benzo(a)Pyrene	1000	
193-39-5	Indeno(1,2,3-cd)Pyrene	830	
53-70-3	Dibenz(a,h)Anthracene	290	J
191-24-2	Benzo(g,h,i)Perylene	590	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS 27

EASW7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336G

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 180)	20.17	230	J
2.	C15.H12 PNA (BP M/E 192)	22.27	250	J
.	C15.H12 PNA (BP M/E 192)	22.33	240	J
4.	C15.H10 PNA (BP M/E 190)	22.53	260	J
5.	UNKNOWN (BP M/E 55)	22.98	160	J
6.	UNKNOWN (BP M/E 55)	23.10	140	J
7.	C16.H12 PNA COELUTE (BP M/E	23.25	500	J
8.	C15.H8.O ISOMER (BP M/E 204)	24.17	160	J
9.	BENZONAPHTHOFURAN ISOMER (BP	25.05	280	J
10.	BENZONAPHTHOFURAN ISOMER (BP	25.43	250	J
11.	BENZONAPHTHOFURAN ISOMER (BP	25.68	130	J
12.	C17.H12 PNA (BP M/E 216)	26.10	270	J
13.	C17.H12 PNA (BP M/E 216)	26.35	130	J
14.	UNKNOWN PNA (BP M/E 226)	28.03	300	J
15.	UNKNOWN (BP M/E 229)	28.17	150	J
16.	C17.H10 O ISOMER (BP M/E 230	28.28	160	J
17.	C16.H11.N ISOMER (BP M/E 217	28.85	130	J
18.	C18.H12 PNA (BP M/E 228)	28.98	150	J
19.	C19.H14 PNA (BP M/E 242)	29.97	150	J
20.	C20.H12 PNA/HC COELUTE (BP M	32.05	210	J
21.	UNKNOWN HC COELUTE (BP M/E 4	32.40	870	J
22.	C20.H12 PNA (BP M/E 252)	32.48	400	J
23.	UNKNOWN HC COELUTE (BP M/E 5	32.97	1500	J
24.	UNKNOWN HC COELUTE (BP M/E 4	34.18	250	J
25.	UNKNOWN STEROL (BP M/E 43)	34.87	150	J
26.	C22.H14 PNA COELUTE (BP M/E	35.23	120	J
27.	ERGOSTENOL ISOMER (BP M/E 27	35.80	260	J
.	UNKNOWN HC COELUTE (BP M/E 4	35.92	280	J
29.	UNKNOWN HC COELUTE (BP M/E 5	36.47	150	J
30.	STIGMASTENOL ISOMER (BP M/E	36.58	470	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 28

EASW8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336H

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336H

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
5528

EASW8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336H

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336H

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	260	J
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)Anthracene	920	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	1100	
207-08-9	Benzo(k)Fluoranthene	410	J
50-32-8	Benzo(a)Pyrene	840	
193-39-5	Indeno(1,2,3-cd)Pyrene	740	
53-70-3	Dibenz(a,h)Anthracene	260	J
191-24-2	Benzo(g,h,i)Perylene	550	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS28

EASW8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336H

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336H

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HC (BP M/E 58)	16.68	340	J
2. 1002-84-2	PENTADECANOIC ACID	21.48	210	JN
3.	C15.H12 PNA (BP M/E 192)	22.25	330	J
4.	C15.H12 PNA (BP M/E 192)	22.32	340	J
5.	C15.H10 PNA (BP M/E 190)	22.52	340	J
6.	UNKNOWN (BP M/E 55)	22.98	530	J
7.	UNKNOWN (BP M/E 55)	23.08	250	J
8. 57-10-3	HEXADECANOIC ACID	23.25	1300	JN
9.	C15.H8.O ISOMER COELUTE (BP	24.15	220	J
10.	BENZONAPHTHOFURAN ISOMER (BP	25.03	250	J
11.	BENZONAPHTHOFURAN ISOMER (BP	25.42	360	J
12.	C17.H12 PNA (BP M/E 216)	26.08	340	J
13.	UNKNOWN (BP M/E 56)	28.03	810	J
14.	C17.H10.O ISOMER (BP M/E 230	28.28	280	J
15.	UNKNOWN HC COELUTE (BP M/E 4	32.38	2100	J
16.	C20.H12 PNA (BP M/E 252)	32.47	510	J
17.	UNKNOWN HC COELUTE (BP M/E 5	32.97	4400	J
18.	UNKNOWN HC COELUTE (BP M/E 4	34.18	730	J
19.	UNKNOWN STEROL (BP M/E 43)	34.87	480	J
20.	UNKNOWN (BP M/E 69)	35.27	330	J
21.	ERGOSTENOL ISOMER (BP M/E 43	35.80	750	J
22.	UNKNOWN HC COELUTE (BP M/E 4	35.92	770	J
23.	UNKNOWN STEROL (BP M/E 55)	36.08	530	J
24.	UNKNOWN HC COELUTE (BP M/E 5	36.45	1100	J
25.	STIGMASTENOL ISOMER (BP M/E	36.58	1300	J
26.	UNKNOWN (BP M/E 43)	37.02	390	J
27.	UNKNOWN (BP M/E 55)	37.22	470	J
28.	UNKNOWN (BP M/E 218)	37.67	1800	J
29.	UNKNOWN (BP M/E 43)	38.05	2400	J
30.	UNKNOWN (BP M/E 43)	38.88	890	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 29

EASW9

L Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336I

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 29

EASW9

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336I

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	980	
120-12-7	Anthracene	220	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	830	
218-01-9	Chrysene	940	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	920	
207-08-9	Benzo(k)Fluoranthene	540	
50-32-8	Benzo(a)Pyrene	830	
193-39-5	Indeno(1,2,3-cd)Pyrene	680	
53-70-3	Dibenz(a,h)Anthracene	250	J
191-24-2	Benzo(g,h,i)Perylene	440	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS29

EASW9

Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336I

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/21/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C14.H12 PNA COELUTE (BP M/E	19.62	99	J
2.	UNKNOWN (BP M/E 180)	20.17	140	J
3. 132-65-0	DIBENZOTHIOPHENE	20.33	89	JN
4.	C15.H12 PNA (BP M/E 192)	22.25	290	J
5.	C15.H12 PNA (BP M/E 192)	22.32	320	J
6.	C15.H10 PNA (BP M/E 190)	22.52	280	J
7.	UNKNOWN PNA (BP M/E 192)	22.57	160	J
8.	C15.H12 PNA (BP M/E 192)	22.63	150	J
9.	C16.H12 PNA COELUTE (BP M/E	23.23	480	J
10.	C16.H14 PNA (BP M/E 206)	24.00	180	J
11.	C15.H8.O ISOMER COELUTE (BP	24.15	210	J
12.	BENZONAPHTHOFURAN ISOMER (BP	25.03	220	J
13.	BENZONAPHTHOFURAN ISOMER (BP	25.42	230	J
14.	C17.H12 PNA (BP M/E 216)	26.08	350	J
15.	C17.H12 PNA (BP M/E 216)	26.33	210	J
16.	C17.H10.O ISOMER (BP M/E 230	27.63	270	J
17.	BENZONAPHTHOTHIOPHENE ISOMER	27.90	160	J
18.	UNKNOWN (BP M/E 56)	28.03	830	J
19.	C17.H10.O ISOMER (BP M/E 230	28.27	220	J
20.	C16.H11.N ISOMER COELUTE (BP	29.52	160	J
21.	C19.H14 PNA (BP M/E 242)	29.95	190	J
22.	C20.H12 PNA/HC COELUTE (BP M	32.03	300	J
23.	UNKNOWN HC COELUTE (BP M/E 4	32.38	910	J
24.	C20.H12 PNA (BP M/E 252)	32.45	470	J
25.	UNKNOWN HC COELUTE (BP M/E 5	32.93	1500	J
26.	UNKNOWN HC COELUTE (BP M/E 4	34.17	220	J
27.	UNKNOWN (BP M/E 278)	35.78	270	J
[illegible]	UNKNOWN HC COELUTE (BP M/E 4	35.88	310	J
29.	UNKNOWN HC COELUTE (BP M/E 4	36.43	190	J
30.	STIGMASTENOL ISOMER (BP M/E	36.57	410	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 30

EASX0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336J

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 11 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS 30

EASX0

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336J

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 11 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	370	U
207-08-9	Benzo(k)Fluoranthene	370	U
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenz(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASX0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: F85336J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85336J

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: 11 decanted: (Y/N) Y Date Extracted: 12/06/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/22/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 56)	28.05	430	J
2.	UNKNOWN HC COELUTE (BP M/E 5	32.40	430	J
3.	UNKNOWN HC COELUTE (BP M/E 5	32.95	770	J
4.	UNKNOWN HC COELUTE (BP M/E 4	34.18	130	J
5.	UNKNOWN HC COELUTE (BP M/E 8	34.73	110	J
6.	UNKNOWN (BP M/E 43)	34.88	89	J
7.	UNKNOWN (BP M/E 40)	35.30	91	J
8.	UNKNOWN (BP M/E 43)	35.80	180	J
9.	UNKNOWN HC COELUTE (BP M/E 5	35.92	170	J
10.	UNKNOWN STEROL (BP M/E 43)	36.57	260	J
11.	UNKNOWN (BP M/E 69)	37.68	110	J
12.	UNKNOWN (BP M/E 40)	38.00	89	J
13.	UNKNOWN (BP M/E 43)	38.67	79	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB1

EASX1

b Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F85336K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: F85336K

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/30/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB1

EASX1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F85336K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: F85336K

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/30/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

0·1253

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASX1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: F85336K

Sample wt/vol: 1000 (g/mL) ML Lab File ID: F85336K

Level: (low/med) LOW Date Received: 11/29/95

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 11/30/95

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/17/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

GC Column(1): DB5-30M ID: 0.53(mm) GC Column(2): DB608-30M ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK2	68	66	74	87			0
02	EASX1	78	77	84	100			0

QC LIMITS

TCX = Tetrachloro-m-xylene (~~60~~ 30-150)
DCB = Decachlorobiphenyl (~~60~~ 30-150) 02107196

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

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

GC Column(1): DB5-30M ID: 0.53(mm) GC Column(2): DB608-30M ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK1	81	86	75	94			0
02	EASW1	56*	89	63	176*			2
03	EASW2	62	90	62	121			0
04	EASW2DL	85	89	58*	151*			2
05	EASW3	71	83	62	105			0
06	EASW4	62	76	52*	103			1
07	EASW5	70	80	62	98			0
08	EASW6	66	88	69	135			0
09	EASW6DL	96	102	84	178*			1
10	EASW7	64	86	58*	242*			2
11	EASW8	67	86	64	119			0
12	EASW8DL	89	92	68	168*			1
13	EASW9	75	77	56*	119			1
14	EASX0	62	74	60	86			0
15	EASW2MS	49*	95	96	246*			2
16	EASW2MSD	55*	92	55*	114			2

QC LIMITS

TCX = Tetrachloro-m-xylene (~~60~~ 30-150)
DCB = Decachlorobiphenyl (~~60~~ 30-150)

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

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix Spike - EPA Sample No.: EASW2

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	19.600	0	10.1	52	46-127
Heptachlor	19.600	0	10.4	53	35-130
Aldrin	19.600	0	19.1	97	34-132
Dieldrin	39.200	0	24.3	62	31-134
Endrin	39.200	0	29.8	76	42-139
4,4'-DDT	39.200	64.8	54.2	-27 *	42-139

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	19.600	10.2	52	0	50	46-127
Heptachlor	19.600	10.6	54	2	31	35-130
Aldrin	19.600	16.1	82	17	43	34-132
Dieldrin	39.200	25.5	65	5	38	31-134
Endrin	39.200	29.4	75	1	45	42-139
4,4'-DDT	39.200	58.6	-16 *	-51 *	45	42-139

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

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK2

L Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Lab Sample ID: 5336MBW12-1 Lab File ID: _____

Matrix:(soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 12/01/95

Date Analyzed (1): 12/22/95 Date Analyzed (2): 12/22/95

Time Analyzed (1): 1246 Time Analyzed (2): 1246

Instrument ID (1): ECD3A Instrument ID (2): ECD3B

GC Column (1): DB5-30M ID: 0.53 (mm) GC Column (2): DB608-30M ID: 0.53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EASX1	5336K	12/22/95	12/22/95

CO. ENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Lab Sample ID: 5336MBS12-6 Lab File ID: _____

Matrix:(soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 12/06/95

Date Analyzed (1): 12/22/95 Date Analyzed (2): 12/22/95

Time Analyzed (1): 1401 Time Analyzed (2): 1401

Instrument ID (1): ECD3A Instrument ID (2): ECD3B

GC Column (1): DB5-30M ID: 0.53 (mm) GC Column (2): DB608-30M ID: 0.53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EASW1	5336A	12/22/95	12/22/95
02	EASW2	5336B	12/22/95	12/22/95
03	EASW2DL	5336BDL	12/26/95	12/26/95
04	EASW3	5336C	12/22/95	12/22/95
05	EASW4	5336D	12/22/95	12/22/95
06	EASW5	5336E	12/22/95	12/22/95
07	EASW6	5336F	12/22/95	12/22/95
08	EASW6DL	5336FDL	12/26/95	12/26/95
09	EASW7	5336G	12/22/95	12/22/95
10	EASW8	5336H	12/22/95	12/22/95
11	EASW8DL	5336HDL	12/26/95	12/26/95
12	EASW9	5336I	12/22/95	12/22/95
13	EASX0	5336J	12/22/95	12/22/95
14	EASW2MS	5336BMS	12/22/95	12/22/95
15	EASW2MSD	5336BMSD	12/22/95	12/22/95

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK2

L Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) WATER Lab Sample ID: 5336MBW12-1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/01/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336MBS12-6

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

% Moisture: _____ decanted: (Y/N) ___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS21

EASW1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336A

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

% Moisture: 16 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	22	
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	7.3	
72-54-8	4,4'-DDD	5.3	P
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	59	P
72-43-5	Methoxychlor	38	P
53494-70-5	Endrin ketone	8.5	P
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	16	
5103-74-2	gamma-Chlordane	8.2	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS22

EASW2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336B

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

% Moisture: 15 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	71	PE
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	4.4	P
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	65	PE
72-43-5	Methoxychlor	25	
53494-70-5	Endrin ketone	5.5	P
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASW2DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336BDL

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

% Moisture: 15 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/26/95

Injection Volume: 1.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	11	PD
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	89	D
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	72	D
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	19	U
7421-93-4	Endrin aldehyde	19	U
5103-71-9	alpha-Chlordane	10	U
5103-74-2	gamma-Chlordane	10	U
8001-35-2	Toxaphene	1000	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	390	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	190	U
11096-82-5	Aroclor-1260	190	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
5523

EASW3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336C

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

% Moisture: 22 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.8	P
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	51	
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	40	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS24

EASW4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336D

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

% Moisture: 16 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	3.9	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	19	
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	19	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS25

EASW5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336E

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

% Moisture: 24 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	4.6	
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	34	
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	31	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-93-4	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS26

EASW6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336F

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

% Moisture: 27 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	210	PE
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	24	P
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	210	PE
72-43-5	Methoxychlor	24	
53494-70-5	Endrin ketone	4.5	U
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASW6DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68-D5-0029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASW1

Matrix: (soil/water) SOIL Lab Sample ID: 5336FDL

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

% Moisture: 27 decanted: (Y/N) Y Date Received: 11/29/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/26/95

Injection Volume: 1.00 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	45	U
72-55-9	4,4'-DDE	310	D
72-20-8	Endrin	45	U
33213-65-9	Endosulfan II	45	U
72-54-8	4,4'-DDD	25	JPD
1031-07-8	Endosulfan sulfate	45	U
50-29-3	4,4'-DDT	270	D
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	45	U
7421-93-4	Endrin aldehyde	45	U
5103-71-9	alpha-Chlordane	23	U
5103-74-2	gamma-Chlordane	23	U
8001-35-2	Toxaphene	2300	U
12674-11-2	Aroclor-1016	450	U
11104-28-2	Aroclor-1221	920	U
11141-16-5	Aroclor-1232	450	U
53469-21-9	Aroclor-1242	450	U
12672-29-6	Aroclor-1248	450	U
11097-69-1	Aroclor-1254	450	U
11096-82-5	Aroclor-1260	450	U