1B
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.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335MBS

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

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.

SBLK01

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335MBS

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

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.

SBLK01

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335MBS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335MBS

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

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 43)	8.17	80	J
2.	TRIBROMOPHENOL ISOMER (BP M/	20.12	75	J
3.	UNKNOWN (BP M/E 57)	28.92	100	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS1

EASS1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335A

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

% Moisture: 22 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	240	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS1

EASS1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335A

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

% Moisture: 22 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	240	J
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	2400	
120-12-7	Anthracene	520	
86-74-8	Carbazole	270	J
84-74-2	Di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	3300	
129-00-0	Pyrene	2700	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)Anthracene	1600	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	U
205-99-2	Benzo(b)Fluoranthene	1600	
207-08-9	Benzo(k)Fluoranthene	980	
50-32-8	Benzo(a)Pyrene	1500	
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	
53-70-3	Dibenz(a,h)Anthracene	350	J
191-24-2	Benzo(g,h,i)Perylene	900	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS1

EASS1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335A

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

% Moisture: 22 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
. 628-68-2	ETHANOL, 2,2'-OXYBIS-, DIACE	7.47	560	JN
2.	C15.H12 PNA (BP M/E 192)	22.30	250	J
3.	C15.H12 PNA (BP M/E 192)	22.37	250	J
4.	C15.H10 PNA (BP M/E 190)	22.57	320	J
5.	UNKNOWN (BP M/E 204)	23.28	470	J
6. 10544-50-0	SULFUR, MOL. (S8)	23.97	330	JN
7.	BENZONAPHTHOFURAN ISOMER (BP	25.08	430	J
8.	BENZONAPHTHOFURAN ISOMER (BP	25.47	330	J
9.	C17.H12 PNA (BP M/E 216)	26.15	410	J
10.	C17.H12 PNA (BP M/E 216)	26.40	310	J
11.	C17.H12 PNA (BP M/E 216)	26.65	200	J
12.	C17.H10.O ISOMER (BP M/E 230	27.68	290	J
13.	BENZONAPHTHOTHIOPHENE ISOMER	27.97	200	J
14.	C18.H12 PNA (BP M/E 228)	28.10	450	J
15.	C17.H10.O ISOMER (BP M/E 230	28.33	220	J
16.	C18.H12 PNA (BP M/E 228)	29.03	300	J
17.	UNKNOWN (BP M/E 55)	29.18	260	J
18.	C16.H11.N ISOMER COELUTE (BP	29.57	220	J
19.	C19.H14 PNA (BP M/E 242)	30.02	210	J
20.	UNKNOWN HC COELUTE (BP M/E 5	31.17	440	J
21.	C20.H12 PNA COELUTE (BP M/E	32.10	380	J
22.	UNKNOWN HC COELUTE (BP M/E 5	32.45	300	J
23.	C20.H12 PNA (BP M/E 252)	32.52	890	J
24.	C20.H12 PNA (BP M/E 252)	32.87	290	J
25.	UNKNOWN (BP M/E 266)	33.30	240	J
.	UNKNOWN (BP M/E 43)	34.93	210	J
27.	C22.H14 PNA (BP M/E 278)	35.18	300	J
28.	UNKNOWN STEROL (BP M/E 43)	36.58	340	J
29.	UNKNOWN PNA (BP M/E 302)	38.30	400	J
30.	C24.H16 PNA (BP M/E 302)	38.43	260	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS2

EASS2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335B

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	660	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS2

EASS2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335B

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	360	J
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	820	
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	7500	E
120-12-7	Anthracene	1700	
86-74-8	Carbazole	1400	
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	9200	E
129-00-0	Pyrene	8000	E
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	4700	E
218-01-9	Chrysene	4900	E
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	4800	E
207-08-9	Benzo(k)Fluoranthene	1700	
50-32-8	Benzo(a)Pyrene	3800	E
193-39-5	Indeno(1,2,3-cd)Pyrene	2700	
53-70-3	Dibenz(a,h)Anthracene	1100	
191-24-2	Benzo(g,h,i)Perylene	1900	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS2

EASS2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335B

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 132-65-0	DIBENZOTHIOPHENE	20.40	510	JN
2.	C15.H12 PNA (BP M/E 192)	22.32	580	J
3.	C15.H12 PNA (BP M/E 192)	22.38	540	J
4.	C15.H10 PNA (BP M/E 190)	22.60	1400	J
5.	C16.H12 PNA (BP M/E 204)	23.30	1300	J
6.	BENZONAPHTHOFURAN ISOMER (BP	25.15	1300	J
7.	BENZONAPHTHOFURAN ISOMER (BP	25.50	950	J
8.	C17.H12 PNA (BP M/E 216)	26.18	1400	J
9.	C17.H12 PNA (BP M/E 216)	26.38	1100	J
10.	UNKNOWN (BP M/E 218)	26.53	590	J
11.	BENZONAPHTHOTHIOPHENE ISOMER	28.00	670	J
12.	C18.H12 PNA (BP M/E 226)	28.12	1100	J
13.	UNKNOWN (BP M/E 229)	28.23	610	J
14.	C18.H12 PNA (BP M/E 228)	29.10	1300	J
15.	UNKNOWN (BP M/E 242)	29.42	630	J
16.	C16.H11.N ISOMER (BP M/E 217	29.60	690	J
17.	C19.H14 PNA (BP M/E 242)	30.05	520	J
18.	UNKNOWN (BP M/E 120)	30.37	430	J
19.	UNKNOWN (BP M/E 120)	30.43	600	J
20.	UNKNOWN (BP M/E 253)	31.48	460	J
21.	C20.H12 PNA (BP M/E 252)	32.17	1100	J
22.	C20.H12 PNA (BP M/E 252)	32.60	3000	J
23.	C20.H12 PNA (BP M/E 252)	32.95	1400	J
24.	UNKNOWN (BP M/E 266)	33.35	540	J
25.	UNKNOWN (BP M/E 132)	33.97	530	J
26.	C22.H14 PNA (BP M/E 278)	35.23	550	J
27.	C22.H14 PNA (BP M/E 278)	35.82	650	J
28.	C22.H12 PNA (BP M/E 276)	36.27	790	J
29.	UNKNOWN PNA (BP M/E 302)	38.38	560	J
30.	UNKNOWN PNA (BP M/E 302)	38.53	620	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASS2DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335BDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335BDL

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3800	U
111-44-4	bis(2-Chloroethyl)Ether	3800	U
95-57-8	2-Chlorophenol	3800	U
541-73-1	1,3-Dichlorobenzene	3800	U
106-46-7	1,4-Dichlorobenzene	3800	U
95-50-1	1,2-Dichlorobenzene	3800	U
95-48-7	2-Methylphenol	3800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3800	U
106-44-5	4-Methylphenol	3800	U
621-64-7	N-Nitroso-Di-n-Propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	3800	U
111-91-1	bis(2-Chloroethoxy)Methane	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
120-82-1	1,2,4-Trichlorobenzene	3800	U
91-20-3	Naphthalene	3800	U
106-47-8	4-Chloroaniline	3800	U
87-68-3	Hexachlorobutadiene	3800	U
59-50-7	4-Chloro-3-Methylphenol	3800	U
91-57-6	2-Methylnaphthalene	3800	U
77-47-4	Hexachlorocyclopentadiene	3800	U
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	9600	U
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	9600	U
131-11-3	Dimethylphthalate	3800	U
208-96-8	Acenaphthylene	3800	U
606-20-2	2,6-Dinitrotoluene	3800	U
99-09-2	3-Nitroaniline	9600	U
83-32-9	Acenaphthene	3800	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASS2DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335BDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335BDL

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9600	U
100-02-7	4-Nitrophenol	9600	U
132-64-9	Dibenzofuran	3800	U
121-14-2	2,4-Dinitrotoluene	3800	U
84-66-2	Diethylphthalate	3800	U
7005-72-3	4-Chlorophenyl-phenylether	3800	U
86-73-7	Fluorene	3800	U
100-01-6	4-Nitroaniline	9600	U
534-52-1	4,6-Dinitro-2-methylphenol	9600	U
86-30-6	N-Nitrosodiphenylamine (1)	3800	U
101-55-3	4-Bromophenyl-phenylether	3800	U
118-74-1	Hexachlorobenzene	3800	U
87-86-5	Pentachlorophenol	9600	U
85-01-8	Phenanthrene	7900	D
120-12-7	Anthracene	3800	U
86-74-8	Carbazole	3800	U
84-74-2	Di-n-Butylphthalate	3800	U
206-44-0	Fluoranthene	11000	D
129-00-0	Pyrene	9500	D
85-68-7	Butylbenzylphthalate	3800	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)Anthracene	4300	D
218-01-9	Chrysene	5300	D
117-81-7	bis(2-Ethylhexyl)Phthalate	3800	U
117-84-0	Di-n-Octyl Phthalate	3800	U
205-99-2	Benzo(b)Fluoranthene	3800	DJ
207-08-9	Benzo(k)Fluoranthene	3600	DJ
50-32-8	Benzo(a)Pyrene	3800	DJ
193-39-5	Indeno(1,2,3-cd)Pyrene	3600	DJ
53-70-3	Dibenz(a,h)Anthracene	3800	U
191-24-2	Benzo(g,h,i)Perylene	2900	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EASS2DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335BDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335BDL

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	C15.H10 PNA (BP M/E 190)	22.53	1500	J
2.	C16.H12 PNA COELUTE (BP M/E	23.27	920	J
3.	C16.H12 PNA COELUTE (BP M/E	25.05	1400	J
4.	C17.H12 PNA (BP M/E 216)	26.10	1300	J
5.	C17.H12 PNA (BP M/E 216)	26.30	1400	J
6.	C18.H12 PNA (BP M/E 226)	28.05	1200	J
7.	C18.H12 PNA (BP M/E 228)	28.98	1100	J
8.	C20.H12 PNA (BP M/E 252)	32.03	810	J
9.	C20.H12 PNA (BP M/E 252)	32.45	2600	J
10.	UNKNOWN PNA (BP M/E 302)	38.23	890	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS3

EASS3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335C

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS3

EASS3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335C

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	210	J
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS3

EASS3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335C

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 59)	11.37	270	J
2.	UNKNOWN (BP M/E 43)	28.92	140	BJ
3.	UNKNOWN (BP M/E 70)	31.60	370	J
4.	C20.H12 PNA (BP M/E 252)	32.47	110	J

AV
1-18-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS4

EASS4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335D

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

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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.
SS4

EASS4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335D

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

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	300	J
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	430	
129-00-0	Pyrene	370	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	210	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS4

EASS4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335D

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

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
. 57-10-3	HEXADECANOIC ACID	23.23	180	JN
2. 10544-50-0	SULFUR, MOL. (S8)	23.95	160	JN
3.	C17.H12 PNA (BP M/E 216)	26.12	91	J
4.	UNKNOWN (BP M/E 43)	28.92	130	BJL
5.	UNKNOWN HC COELUTE (BP M/E 5	31.13	240	J
6.	UNKNOWN (BP M/E 70)	31.62	110	J
7.	C20.H12 PNA (BP M/E 252)	31.83	420	J
8.	UNKNOWN HC COELUTE (BP M/E 4	32.42	110	J
9.	C20.H12 PNA (BP M/E 252)	32.48	130	J
10.	UNKNOWN HC COELUTE (BP M/E 5	32.98	430	J
11.	UNKNOWN (BP M/E 43)	33.13	120	J
12.	UNKNOWN (BP M/E 69)	34.30	120	J
13.	UNKNOWN STEROL (BP M/E 43)	36.57	170	J
14.	UNKNOWN (BP M/E 43)	38.07	98	J
15.	UNKNOWN (BP M/E 302)	38.28	140	J

AV
1-18-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS5

EASS5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335E

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335E

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

% Moisture: 11 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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.
SS5

EASS5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335E

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335E

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

% Moisture: 11 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	860	
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)Anthracene	640	
218-01-9	Chrysene	740	
117-81-7	bis(2-Ethylhexyl)Phthalate	370	U
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	520	
207-08-9	Benzo(k)Fluoranthene	540	
50-32-8	Benzo(a)Pyrene	560	
193-39-5	Indeno(1,2,3-cd)Pyrene	450	
53-70-3	Dibenz(a,h)Anthracene	370	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.
SS5

EASS5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335E

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335E

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

% Moisture: 11 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	DIMETHYLNAPHTHALENE ISOMER (	15.38	170	J
2.	TRIMETHYLNAPHTHALENE ISOMER	17.68	160	J
3.	UNKNOWN (BP M/E 155)	18.23	120	J
4.	C10.H20 ISOMER (BP M/E 55)	19.68	320	J
5.	C15.H12 PNA (BP M/E 192)	22.32	210	J
6.	C15.H12 PNA (BP M/E 192)	22.38	220	J
7.	C15.H10 PNA (BP M/E 190)	22.58	150	J
8.	UNKNOWN (BP M/E 41)	23.25	140	J
9.	C16.H12 PNA COELUTE (BP M/E	23.30	210	J
10.	C16.H14 PNA (BP M/E 206)	24.07	150	J
11.	UNKNOWN (BP M/E 204)	24.20	120	J
12.	BENZONAPHTHOFURAN ISOMER (BP	25.08	180	J
13.	BENZONAPHTHOFURAN ISOMER (BP	25.48	170	J
14.	C17.H12 PNA (BP M/E 216)	26.15	210	J
15.	C17.H12 PNA COELUTE (BP M/E	26.40	160	J
16.	C17.H10.O ISOMER COELUTE (BP	27.70	170	J
17.	BENZONAPHTHOTHIOPHENE ISOMER	27.97	110	J
18.	UNKNOWN PNA (BP M/E 226)	28.08	200	J
19.	UNKNOWN HC COELUTE (BP M/E 5	28.20	170	J
20.	C17.H10.O ISOMER (BP M/E 230	28.33	130	J
21.	UNKNOWN (BP M/E 57)	28.93	120	BJU
22.	C19.H14 PNA (BP M/E 242)	30.02	110	J
23.	UNKNOWN HC (BP M/E 57)	31.15	260	J
24.	C20.H12 PNA/HC COELUTE (BP M	32.08	200	J
25.	UNKNOWN HC COELUTE (BP M/E 5	32.43	190	J
26.	C20.H12 PNA (BP M/E 252)	32.50	360	J
27.	UNKNOWN (BP M/E 43)	33.15	120	J
28.	UNKNOWN (BP M/E 43)	33.30	130	J
29.	C22.H14 PNA COELUTE (BP M/E	35.18	150	J
30.	UNKNOWN PNA (BP M/E 302)	38.30	140	J

AI 1-15-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS6

EASS6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335F

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335F

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	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.
SS6

EASS6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335F

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335F

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	590	
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	980	
129-00-0	Pyrene	930	
85-68-7	Butylbenzylphthalate	400	
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	520	
218-01-9	Chrysene	570	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	480	
207-08-9	Benzo(k)Fluoranthene	340	J
50-32-8	Benzo(a)Pyrene	500	
193-39-5	Indeno(1,2,3-cd)Pyrene	360	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	290	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS6

EASS6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335F

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335F

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
..	UNKNOWN (BP M/E 64)	16.52	110	J
2.	C15.H12 PNA (BP M/E 192)	22.30	130	J
3.	C15.H12 PNA (BP M/E 192)	22.37	140	J
4.	C15.H10 PNA (BP M/E 190)	22.58	140	J
5.	C16.H12 PNA (BP M/E 204)	23.30	130	J
6. 10544-50-0	SULFUR, MOL. (S8)	24.03	1700	JN
7.	BENZONAPHTHOFURAN ISOMER (BP	25.08	190	J
8.	C17.H12 PNA COELUTE (BP M/E	26.15	260	J
9.	C17.H12 PNA (BP M/E 216)	26.40	110	J
10.	UNKNOWN PNA (BP M/E 226)	28.08	140	J
11.	UNKNOWN (BP M/E 43)	28.93	180	BJ
12.	UNKNOWN HC COELUTE (BP M/E 4	29.17	300	J
13.	UNKNOWN HC COELUTE (BP M/E 5	31.15	470	J
14.	C20.H12 PNA/HC COELUTE (BP M	32.08	220	J
15.	UNKNOWN HC COELUTE (BP M/E 4	32.45	230	J
16.	C20.H12 PNA (BP M/E 252)	32.52	340	J
17.	UNKNOWN HC COELUTE (BP M/E 5	33.00	1200	J
18.	UNKNOWN (BP M/E 43)	33.15	130	J
19.	UNKNOWN (BP M/E 133)	33.32	140	J
20.	UNKNOWN (BP M/E 131)	33.92	180	J
21.	UNKNOWN (BP M/E 43)	34.92	120	J
22.	UNKNOWN STEROL (BP M/E 43)	35.82	310	J
23.	UNKNOWN STEROL (BP M/E 55)	36.10	240	J
24.	UNKNOWN (BP M/E 69)	36.23	120	J
25.	UNKNOWN HC COELUTE (BP M/E 5	36.48	160	J
.	UNKNOWN STEROL (BP M/E 43)	36.60	1200	J
27.	UNKNOWN STEROL (BP M/E 43)	37.22	270	J
28.	UNKNOWN STEROL (BP M/E 124)	37.68	200	J
29.	UNKNOWN (BP M/E 43)	38.03	220	J
30.	UNKNOWN PNA COELUTE (BP M/E	38.32	230	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS7

EASS7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335G

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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	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.
SS7

EASS7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335G

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO.	COMPOUND		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	390	
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	770	
129-00-0	Pyrene	770	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	
218-01-9	Chrysene	470	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	360	J
207-08-9	Benzo(k)Fluoranthene	360	J
50-32-8	Benzo(a)Pyrene	410	
193-39-5	Indeno(1,2,3-cd)Pyrene	310	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	250	J

(1) - Cannot be separated from Diphenylamine

1059

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS7

EASS7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335G

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335G

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 21

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)	22.35	89	J
2.	C15.H10 PNA (BP M/E 190)	22.55	78	J
3.	C16.H12 PNA COELUTE (BP M/E	23.27	80	J
4. 10544-50-0	SULFUR, MOL. (S8)	23.95	120	JN
5.	BENZONAPHTHOFURAN ISOMER (BP	25.07	120	J
6.	C17.H12 PNA (BP M/E 216)	26.12	160	J
7.	C17.H12 PNA COELUTE (BP M/E	26.38	110	J
8.	BENZONAPHTHOTHIOPHENE ISOMER	27.95	90	J
9.	UNKNOWN PNA COELUTE (BP M/E	28.07	130	J
10.	UNKNOWN HC COELUTE (BP M/E 5	28.18	140	J
11.	C17.H10.O ISOMER COELUTE (BP	28.30	100	J
12.	UNKNOWN (BP M/E 43)	28.92	160	BJ
13.	C18.H12 PNA COELUTE (BP M/E	29.02	79	J
14.	UNKNOWN (BP M/E 43)	31.48	120	J
15.	UNKNOWN HC COELUTE (BP M/E 4	32.42	120	J
16.	C20.H12 PNA (BP M/E 252)	32.50	270	J
17.	UNKNOWN STEROL (BP M/E 43)	33.90	120	J
18.	UNKNOWN (BP M/E 69)	34.32	170	J
19.	UNKNOWN (BP M/E 191)	35.03	140	J
20.	UNKNOWN (BP M/E 43)	36.57	170	J
21.	UNKNOWN PNA COELUTE (BP M/E	38.30	150	J

AV 1-15-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
558

EASS8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335H

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335H

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS8

EASS8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335H

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335H

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	200	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	550	
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	2200	
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	1200	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	840	
207-08-9	Benzo(k)Fluoranthene	770	
50-32-8	Benzo(a)Pyrene	970	
193-39-5	Indeno(1,2,3-cd)Pyrene	700	
53-70-3	Dibenz(a,h)Anthracene	240	J
191-24-2	Benzo(g,h,i)Perylene	480	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS8

EASS8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335H

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335H

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	UNKNOWN (BP M/E 83)	10.55	870	J
2.	UNKNOWN (BP M/E 59)	11.55	4100	J
3.	UNKNOWN HC COELUTE (BP M/E 4	21.72	220	J
4.	C15.H12 PNA (BP M/E 192)	22.30	230	J
5.	C15.H12 PNA (BP M/E 192)	22.37	280	J
6.	C15.H10 PNA (BP M/E 190)	22.58	270	J
7.	C15.H12 PNA (BP M/E 192)	22.68	160	J
8.	C16.H12 PNA COELUTE (BP M/E	23.30	220	J
9. 10544-50-0	SULFUR, MOL. (S8)	23.98	330	JN
10.	BENZONAPHTHOFURAN ISOMER (BP	25.10	220	J
11.	BENZONAPHTHOFURAN ISOMER (BP	25.48	190	J
12.	C17.H12 PNA (BP M/E 216)	26.15	340	J
13.	C17.H12 PNA COELUTE (BP M/E	26.40	230	J
14.	BENZONAPHTHOTHIOPHENE ISOMER	27.97	200	J
15.	C18.H12 PNA (BP M/E 226)	28.10	240	J
16.	C18.H12 PNA (BP M/E 228)	29.05	200	J
17.	UNKNOWN HC COELUTE (BP M/E 5	29.17	450	J
18.	UNKNOWN (BP M/E 217)	29.58	180	J
19.	C19.H14 PNA (BP M/E 242)	30.03	200	J
20.	UNKNOWN HC COELUTE (BP M/E 5	31.15	770	J
21.	UNKNOWN HC COELUTE (BP M/E 5	31.50	220	J
22.	UNKNOWN HC COELUTE (BP M/E 5	32.45	280	J
23.	C20.H12 PNA (BP M/E 252)	32.53	480	J
24.	UNKNOWN HC COELUTE (BP M/E 5	33.00	1200	J
25.	UNKNOWN (BP M/E 57)	33.15	200	J
.	UNKNOWN (BP M/E 43)	35.83	270	J
27.	UNKNOWN STEROL (BP M/E 43)	36.60	790	J
28.	UNKNOWN STEROL (BP M/E 43)	37.23	170	J
29.	UNKNOWN (BP M/E 43)	38.05	210	J
30.	UNKNOWN (BP M/E 69)	38.33	270	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASS8RE

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335HRE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335HRE

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EASS8RE

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335HRE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335HRE

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	190	J
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	520	
86-74-8	Carbazole	190	J
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	2000	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	1100	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	770	
207-08-9	Benzo(k)Fluoranthene	820	
50-32-8	Benzo(a)Pyrene	950	
193-39-5	Indeno(1,2,3-cd)Pyrene	780	
53-70-3	Dibenz(a,h)Anthracene	210	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.

EASS8RE

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335HRE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335HRE

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 73583-56-9	2,6-DIMETHYL-6-NITRO-2-HEPTE	10.52	890	JN
2.	UNKNOWN (BP M/E 59)	11.48	4100	J
3.	UNKNOWN (BP M/E 55)	19.63	260	J
4.	UNKNOWN (BP M/E 43)	21.70	180	J
5.	C15.H12 PNA (BP M/E 192)	22.27	240	J
6.	C15.H12 PNA (BP M/E 192)	22.33	250	J
7.	C15.H10 PNA (BP M/E 190)	22.53	250	J
8.	C16.H12 PNA COELUTE (BP M/E	23.27	310	J
9. 10544-50-0	SULFUR, MOL. (S8)	23.93	380	JN
10.	BENZONAPHTHOFURAN ISOMER (BP	25.05	230	J
11.	BENZONAPHTHOFURAN ISOMER (BP	25.45	160	J
12.	C17.H12 PNA (BP M/E 216)	26.12	290	J
13.	C17.H12 PNA COELUTE (BP M/E	26.37	180	J
14.	BENZONAPHTHOTHIOPHENE ISOMER	27.93	170	J
15.	UNKNOWN PNA (BP M/E 226)	28.05	190	J
16.	UNKNOWN HC COELUTE (BP M/E 5	29.13	570	J
17.	UNKNOWN (BP M/E 217)	29.53	160	J
18.	C19.H14 PNA (BP M/E 242)	29.98	170	J
19.	UNKNOWN HC COELUTE (BP M/E 5	31.12	710	J
20.	C20.H12 PNA/HC COELUTE (BP M	32.07	280	J
21.	UNKNOWN (BP M/E 57)	32.40	230	J
22.	C20.H12 PNA (BP M/E 252)	32.48	480	J
23.	UNKNOWN HC COELUTE (BP M/E 5	32.97	1000	J
24.	UNKNOWN (BP M/E 264)	33.87	170	J
25.	UNKNOWN (BP M/E 43)	34.87	200	J
26.	UNKNOWN STEROL (BP M/E 43)	35.78	270	J
27.	UNKNOWN (BP M/E 43)	36.20	170	J
28.	UNKNOWN STEROL (BP M/E 43)	36.53	610	J
29.	UNKNOWN (BP M/E 43)	37.98	170	J
30.	UNKNOWN (BP M/E 302)	38.25	270	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS9

EASS9

I Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335I

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

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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.
SS9

EASS9

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335I

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

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	360	J
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)Anthracene	210	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	230	J
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	220	J
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenz(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
559

EASS9

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335I

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335I

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

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	UNKNOWN CYCLIC HC (BP M/E 55	23.10	92	J
2. 57-10-3	HEXADECANOIC ACID	23.25	350	JN
3. 10544-50-0	SULFUR, MOL. (S8)	24.00	1200	JN
4. 57-11-4	OCTADECANOIC ACID	25.63	190	JN
5.	UNKNOWN (BP M/E 56)	28.07	430	J
6.	UNKNOWN (BP M/E 43)	28.92	200	BJ
7.	UNKNOWN (BP M/E 43)	29.53	87	J
8. 112-85-6	DOCOSANOIC ACID	29.90	270	JN
9.	UNKNOWN (BP M/E 57)	30.17	230	J
10.	UNKNOWN (BP M/E 43)	30.53	91	J
11.	UNKNOWN (BP M/E 43)	30.88	190	J
12.	UNKNOWN HC COELUTE (BP M/E 4	31.48	130	J
13.	UNKNOWN HC COELUTE (BP M/E 4	32.43	2100	J
14.	UNKNOWN HC COELUTE (BP M/E 5	33.02	4800	J
15.	UNKNOWN (BP M/E 43)	33.15	170	J
16.	UNKNOWN (BP M/E 43)	33.25	88	J
17.	UNKNOWN HC COELUTE (BP M/E 4	33.33	93	J
18.	UNKNOWN (BP M/E 43)	33.65	310	J
19.	UNKNOWN HC COELUTE (BP M/E 4	34.22	900	J
20.	UNKNOWN (BP M/E 43)	34.90	300	J
21.	UNKNOWN (BP M/E 59)	35.77	120	J
22.	UNKNOWN HC COELUTE (BP M/E 5	35.93	420	J
23.	UNKNOWN STEROL (BP M/E 189)	36.12	400	J
24.	UNKNOWN STEROL (BP M/E 43)	36.58	810	J
25.	UNKNOWN (BP M/E 43)	37.00	88	J
26.	UNKNOWN STEROL (BP M/E 43)	37.68	300	J
27.	UNKNOWN (BP M/E 57)	38.08	210	J
28.	UNKNOWN (BP M/E 43)	38.32	260	J
29.	UNKNOWN (BP M/E 302)	38.47	100	J

AV 1-15-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS10

EAST0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335J

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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	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.
SS10

EAST0

La. Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335J

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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	630	
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	990	
129-00-0	Pyrene	920	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	490	
218-01-9	Chrysene	530	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	410	
207-08-9	Benzo(k)Fluoranthene	400	
50-32-8	Benzo(a)Pyrene	470	
193-39-5	Indeno(1,2,3-cd)Pyrene	380	J
53-70-3	Dibenz(a,h)Anthracene	390	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.
SS10

EAST0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335J

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335J

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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 196)	20.25	99	J
2.	C10.H19.O.N5 ISOMER COELUTE	20.48	110	J
3.	C15.H12 PNA (BP M/E 192)	22.32	130	J
4.	C15.H12 PNA (BP M/E 192)	22.38	110	J
5.	C15.H10 PNA (BP M/E 190)	22.58	130	J
6. 57-10-3	HEXADECANOIC ACID	23.25	150	JN
7.	C16.H12 PNA COELUTE (BP M/E	23.30	120	J
8.	BENZONAPHTHOFURAN ISOMER (BP	25.08	130	J
9.	BENZONAPHTHOFURAN ISOMER (BP	25.48	87	J
10. 57-11-4	OCTADECANOIC ACID	25.65	98	JN
11.	C17.H12 PNA (BP M/E 216)	26.15	190	J
12.	C17.H12 PNA (BP M/E 216)	26.40	100	J
13.	UNKNOWN (BP M/E 232)	26.52	88	J
14.	C17.H10.O ISOMER (BP M/E 230	27.70	92	J
15.	BENZONAPHTHOTHIOPHENE ISOMER	27.97	90	J
16.	OCTADECANOIC ACID ISOMER (BP	28.08	560	J
17.	C17.H10.O ISOMER (BP M/E 230	28.33	85	J
18.	UNKNOWN (BP M/E 43)	28.93	190	BJ
19.	UNKNOWN (BP M/E 43)	29.75	110	J
20.	C19.H14 PNA (BP M/E 242)	30.02	120	J
21.	UNKNOWN PNA (BP M/E 254)	30.38	96	J
22.	UNKNOWN (BP M/E 306)	30.77	130	J
23.	UNKNOWN HC COELUTE (BP M/E 5	31.15	210	J
24.	C20.H12 PNA/HC COELUTE (BP M	32.08	170	J
25.	UNKNOWN (BP M/E 43)	32.43	140	J
26.	C20.H12 PNA (BP M/E 252)	32.52	300	J
27.	C22.H14 PNA (BP M/E 278)	35.20	110	J
28.	C22.H12 PNA (BP M/E 276)	36.22	87	J
29.	UNKNOWN STEROL (BP M/E 43)	36.58	110	J
30.	UNKNOWN PNA (BP M/E 302)	38.35	140	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS11

EAST1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335K

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335K

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS11

EAST1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335K

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335K

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS11

EAST1

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335K

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335K

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	UNKNOWN (BP M/E 59)	11.40	1100	J
2.	UNKNOWN (BP M/E 132)	11.52	120	J
3. 112-27-6	ETHANOL, 2,2'-[1,2-ETHANEDIY	16.75	130	JN
4.	UNKNOWN (BP M/E 43)	28.90	150	BJ

AI
1-15-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAST1RE

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335KRE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335KRE

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAST1RE

La Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335KRE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335KRE

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1550

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAST1RE

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335KRE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335KRE

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

% Moisture: 13 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.4

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN (BP M/E 59)	11.38	1100	J
2.	UNKNOWN (BP M/E 132)	11.50	100	J
3.	UNKNOWN SILANE (BP M/E 73)	13.97	85	J
4.	UNKNOWN SILANE (BP M/E 73)	16.78	150	J
5.	UNKNOWN (BP M/E 43)	28.88	140	BJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS12

EAST2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335L

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335L

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS12

EAST2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335L

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335L

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	240	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS12

EAST2

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335L

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335L

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	ETHYLMETHYLBENZENE ISOMER (B	7.53	82	J
2.	C10.H12 ISOMER (BP M/E 104)	10.62	77	J
3.	TETRAHYDROMETHYLNAPHTHALENE	12.65	85	J
4.	C11.H10 ISOMER (BP M/E 142)	13.17	190	J
5.	C11.H10 ISOMER (BP M/E 142)	13.47	120	J
6.	C12.H16 ISOMER COELUTE (BP M	13.63	82	J
7.	UNKNOWN (BP M/E 141)	14.93	93	J
8.	DIMETHYLNAPHTHALENE ISOMER (	15.35	170	J
9.	DIMETHYLNAPHTHALENE ISOMER (	15.40	92	J
10.	UNKNOWN (BP M/E 55)	16.37	210	J
11.	UNKNOWN (BP M/E 43)	23.20	100	J
12.	UNKNOWN (BP M/E 57)	26.37	110	J
13.	UNKNOWN (BP M/E 43)	28.88	180	BJ
14.	UNKNOWN (BP M/E 69)	32.32	76	J
15.	UNKNOWN (BP M/E 57)	33.08	84	J
16.	UNKNOWN (BP M/E 191)	34.27	120	J
17.	UNKNOWN (BP M/E 191)	35.00	89	J
18.	UNKNOWN STEROL (BP M/E 43)	36.52	98	J
19.	UNKNOWN (BP M/E 43)	38.22	90	J

AV 1-18-96

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS13

EAST3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335M

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335M

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	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.
SS13

EAST3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335M

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335M

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	370	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	410	
129-00-0	Pyrene	400	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS13

EAST3

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335M

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335M

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HC COELUTE (BP M/E 5	12.92	86	J
2.	DIMETHYLNAPHTHALENE ISOMER (	15.37	120	J
3.	TRIMETHYLNAPHTHALENE ISOMER	17.65	99	J
4.	UNKNOWN (BP M/E 169)	19.27	84	J
5.	C15.H12 PNA (BP M/E 192)	22.28	160	J
6.	C15.H12 PNA (BP M/E 192)	22.35	110	J
7.	C15.H10 PNA (BP M/E 190)	22.55	160	J
8.	C17.H12 PNA COELUTE (BP M/E	26.12	94	J
9.	UNKNOWN PNA COELUTE (BP M/E	28.05	150	J
10.	UNKNOWN (BP M/E 43)	28.90	180	BJ
11.	C20.H12 PNA (BP M/E 252)	32.45	120	J
12.	UNKNOWN (BP M/E 43)	36.53	98	J
13.	UNKNOWN (BP M/E 55)	38.23	130	J

A1
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS14

EAST4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335N

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335N

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

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

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.
SS14

EAST4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335N

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335N

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

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

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	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)Anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenz(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS14

EAST4

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335N

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335N

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

% Moisture: 20 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	UNKNOWN (BP M/E 57)	28.88	140	BJ
2.	UNKNOWN HC COELUTE (BP M/E 5	31.10	150	J
3.	UNKNOWN (BP M/E 204)	35.82	140	J

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1846

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
5515

EAST5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F853350

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F853350

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

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1749

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS15

EAST5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F853350

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F853350

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

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)Anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	400	U
207-08-9	Benzo(k)Fluoranthene	400	U
50-32-8	Benzo(a)Pyrene	400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	400	U

(1) - Cannot be separated from Diphenylamine

#1750

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS15

EAST5

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F853350

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F853350

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

% Moisture: 16 decanted: (Y/N) Y Date Extracted: 12/07/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	TRIMETHYLBENZENE ISOMER (BP	7.55	91	J
2.	UNKNOWN (BP M/E 43)	28.88	150	BJ

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1-15-96

1751

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS16

EAST6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335P

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335P

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 9.1

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	280	J
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	290	J
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	570	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS16

EAST6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335P

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335P

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 9.1

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	J
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	600	
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	4500	E
120-12-7	Anthracene	1200	
86-74-8	Carbazole	610	
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	4100	E
129-00-0	Pyrene	3900	E
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	1900	
218-01-9	Chrysene	2000	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	1600	
207-08-9	Benzo(k)Fluoranthene	960	
50-32-8	Benzo(a)Pyrene	1500	
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	
53-70-3	Dibenz(a,h)Anthracene	230	J
191-24-2	Benzo(g,h,i)Perylene	820	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS16

EAST6

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335P

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335P

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 9.1

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	C11.H10 ISOMER (BP M/E 142)	13.48	310	J
2.	DIMETHYLNAPHTHALENE ISOMER (	15.37	630	J
3.	DIMETHYLNAPHTHALENE ISOMER (	15.42	300	J
4.	METHYLFLUORENE ISOMER COELUT	19.65	520	J
5.	C13.H8.O ISOMER (BP M/E 180)	20.20	350	J
6. 132-65-0	DIBENZOTHIOPHENE	20.37	500	JN
7.	C15.H12 PNA (BP M/E 192)	22.28	530	J
8.	C15.H12 PNA (BP M/E 192)	22.35	630	J
9.	C15.H10 PNA (BP M/E 190)	22.57	1100	J
10.	C16.H12 PNA (BP M/E 204)	23.28	560	J
11.	BENZONAPHTHOFURAN ISOMER (BP	25.08	790	J
12.	BENZONAPHTHOFURAN ISOMER (BP	25.45	420	J
13.	UNKNOWN (BP M/E 218)	25.70	300	J
14.	C17.H12 PNA (BP M/E 216)	26.13	860	J
15.	C17.H12 PNA (BP M/E 216)	26.32	480	J
16.	C17.H12 PNA COELUTE (BP M/E	26.38	510	J
17.	UNKNOWN PNA (BP M/E 218)	26.48	290	J
18.	BENZONAPHTHOTHIOPHENE ISOMER	27.95	300	J
19.	C18.H12 PNA (BP M/E 226)	28.07	620	J
20.	C18.H12 PNA (BP M/E 228)	29.02	600	J
21.	C16.H11.N ISOMER COELUTE (BP	29.55	510	J
22.	C20.H12 PNA/HC COELUTE (BP M	32.07	570	J
23.	UNKNOWN (BP M/E 268)	32.38	420	J
24.	C20.H12 PNA (BP M/E 252)	32.50	1100	J
25.	C20.H12 PNA (BP M/E 252)	32.85	390	J
	UNKNOWN HC COELUTE (BP M/E 5	32.97	380	J
27.	UNKNOWN (BP M/E 191)	33.88	290	J
28.	C22.H14 PNA COELUTE (BP M/E	34.30	350	J
29.	UNKNOWN (BP M/E 302)	35.17	380	J
30.	UNKNOWN (BP M/E 132)	38.27	680	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAST6DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335PDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335PDL

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	2900	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	2900	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	2900	U
83-32-9	Acenaphthene	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAST6DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335PDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335PDL

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2900	U
100-02-7	4-Nitrophenol	2900	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-01-6	4-Nitroaniline	2900	U
534-52-1	4,6-Dinitro-2-methylphenol	2900	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	2900	U
85-01-8	Phenanthrene	4600	D
120-12-7	Anthracene	1100	DJ
86-74-8	Carbazole	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	5300	D
129-00-0	Pyrene	3900	D
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)Anthracene	1700	D
218-01-9	Chrysene	1900	D
117-81-7	bis(2-Ethylhexyl)Phthalate	1200	U
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	1500	D
207-08-9	Benzo(k)Fluoranthene	930	DJ
50-32-8	Benzo(a)Pyrene	1500	D
193-39-5	Indeno(1,2,3-cd)Pyrene	790	DJ
53-70-3	Dibenz(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	720	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAST6DL

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335PDL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335PDL

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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

Injection Volume: 2.0(uL) Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 9.1

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C11.H10 ISOMER (BP M/E 142)	13.43	260	J
2.	DIMETHYLNAPHTHALENE ISOMER (	15.32	430	J
3.	UNKNOWN (BP M/E 77)	15.35	300	J
4.	METHYLFLUORENE ISOMER COELUT	19.60	320	J
5. 132-65-0	DIBENZOTHIOPHENE	20.30	370	JN
6.	C15.H12 PNA (BP M/E 192)	22.22	400	J
7.	C15.H12 PNA (BP M/E 192)	22.28	440	J
8.	C15.H10 PNA (BP M/E 190)	22.48	800	J
9.	C16.H12 PNA COELUTE (BP M/E	23.20	630	J
10. 10544-50-0	SULFUR, MOL. (S8)	23.87	240	JN
11.	BENZONAPHTHOFURAN ISOMER (BP	25.38	350	J
12.	C17.H12 PNA (BP M/E 216)	26.03	540	J
13.	C17.H12 PNA (BP M/E 216)	26.23	370	J
14.	C17.H12 PNA (BP M/E 216)	26.30	400	J
15.	C18.H12 PNA (BP M/E 226)	27.98	520	J
16.	UNKNOWN PNA/HC COELUTE (BP M	28.10	370	J
17.	C18.H12 PNA (BP M/E 228)	28.92	390	J
18.	C16.H11.N ISOMER COELUTE (BP	29.47	290	J
19.	C19.H14 PNA (BP M/E 242)	29.92	240	J
20.	UNKNOWN (BP M/E 43)	31.40	410	J
21.	C10.H12 PNA/HC COELUTE (BP M	31.98	400	J
22.	UNKNOWN (BP M/E 268)	32.30	320	J
23.	C20.H12 PNA (BP M/E 252)	32.40	750	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS17

EAST7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335Q

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335Q

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.4

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	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.
SS17

EAST7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335Q

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335Q

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.4

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	580	
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	860	
218-01-9	Chrysene	1100	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	930	
207-08-9	Benzo(k)Fluoranthene	1000	
50-32-8	Benzo(a)Pyrene	1000	
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	
53-70-3	Dibenz(a,h)Anthracene	260	J
191-24-2	Benzo(g,h,i)Perylene	900	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS17

EAST7

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335Q

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335Q

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

% Moisture: 14 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
.	C15.H10 PNA (BP M/E 190)	22.55	190	J
2.	UNKNOWN (BP M/E 55)	23.10	210	J
3. 57-10-3	HEXADECANOIC ACID	23.25	660	JN
4.	BENZONAPHTHOFURAN ISOMER (BP	25.05	220	J
5.	UNKNOWN (BP M/E 55)	25.40	330	J
6.	C17.H12 PNA (BP M/E 216)	26.12	200	J
7.	C17.H10.O ISOMER COELUTE (BP	27.67	190	J
8.	C18.H10 ISOMER (BP M/E 226)	28.05	210	J
9.	C16.H11.N ISOMER COELUTE (BP	28.88	220	J
10.	UNKNOWN HC COELUTE (BP M/E 5	29.13	410	J
11.	C16.H11.N ISOMER (BP M/E 217	29.55	180	J
12. 112-85-6	DOCOSANOIC ACID	29.88	210	JN
13.	UNKNOWN HC COELUTE (BP M/E 5	31.12	610	J
14.	C20.H12 PNA/HC COELUTE (BP M	32.07	290	J
15.	UNKNOWN (BP M/E 43)	32.40	320	J
16.	C20.H12 PNA (BP M/E 252)	32.48	720	J
17.	C20.H12 PNA (BP M/E 252)	32.83	210	J
18.	UNKNOWN HC COELUTE (BP M/E 5	32.97	1100	J
19.	UNKNOWN (BP M/E 43)	34.88	190	J
20.	C22.H14 PNA (BP M/E 278)	35.17	200	J
21.	UNKNOWN STEROL (BP M/E 43)	35.80	580	J
22.	UNKNOWN STEROL (BP M/E 55)	36.08	560	J
23.	UNKNOWN STEROL (BP M/E 43)	36.55	800	J
24.	UNKNOWN (BP M/E 55)	36.97	370	J
25.	UNKNOWN (BP M/E 55)	37.18	350	J
.	UNKNOWN (BP M/E 43)	37.58	200	J
27. 1058-61-3	STIGMAST-4-EN-3-ONE	37.65	390	JN
28.	UNKNOWN (BP M/E 122)	37.98	200	J
29.	UNKNOWN (BP M/E 69)	38.27	410	J
30.	UNKNOWN PNA COELUTE (BP M/E	38.45	200	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
5518

EAST8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335R

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335R

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS18

EAST8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335R

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335R

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	760	
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	920	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)Phthalate	370	J
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	1300	
207-08-9	Benzo(k)Fluoranthene	970	
50-32-8	Benzo(a)Pyrene	1000	
193-39-5	Indeno(1,2,3-cd)Pyrene	880	
53-70-3	Dibenz(a,h)Anthracene	270	J
191-24-2	Benzo(g,h,i)Perylene	640	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS18

EAST8

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335R

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335R

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.3

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 79)	19.25	390	J
2.	UNKNOWN (BP M/E 55)	23.00	330	J
3.	UNKNOWN (BP M/E 55)	23.13	530	J
4. 57-10-3	HEXADECANOIC ACID	23.28	1300	JN
5.	C15.H8.O ISOMER (BP M/E 204)	24.17	230	J
6.	BENZONAPHTHOFURAN ISOMER (BP	25.05	250	J
7.	UNKNOWN (BP M/E 67)	25.30	430	J
8. 57-11-4	OCTADECANOIC ACID	25.65	430	JN
9.	C17.H12 PNA (BP M/E 216)	26.12	230	J
10.	C18.H10 PNA (BP M/E 226)	28.05	300	J
11.	C16.H11.N ISOMER COELUTE (BP	28.88	330	J
12. 112-85-6	DOCOSANOIC ACID	29.90	470	JN
13.	C20.H12 PNA/HC COELUTE (BP M	32.07	320	J
14.	UNKNOWN (BP M/E 43)	32.42	490	J
15.	C20.H12 PNA (BP M/E 252)	32.52	650	J
16.	UNKNOWN HC COELUTE (BP M/E 5	32.98	2100	J
17.	UNKNOWN (BP M/E 43)	34.50	240	J
18.	UNKNOWN STEROL (BP M/E 43)	35.82	490	J
19.	UNKNOWN STEROL (BP M/E 55)	36.10	460	J
20.	UNKNOWN (BP M/E 95)	36.40	370	J
21.	UNKNOWN STEROL (BP M/E 43)	36.58	1600	J
22.	OLEANENE ISOMER (BP M/E 218)	36.83	1100	J
23.	UNKNOWN (BP M/E 95)	37.02	650	J
24.	UNKNOWN (BP M/E 55)	37.22	1200	J
25.	UNKNOWN (BP M/E 69)	37.52	250	J
26.	UNKNOWN (BP M/E 43)	37.67	710	J
27.	UNKNOWN (BP M/E 43)	37.93	280	J
28.	UNKNOWN (BP M/E 43)	38.03	1400	J
29.	UNKNOWN (BP M/E 43)	38.63	300	J
30.	UNKNOWN (BP M/E 43)	38.83	470	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS19

EAST9

La_ Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335S

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335S

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.3

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.
SS19

EAST9

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335S

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335S

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.3

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	1100	
120-12-7	Anthracene	210	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	2100	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	1000	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	970	
207-08-9	Benzo(k)Fluoranthene	1100	
50-32-8	Benzo(a)Pyrene	1100	
193-39-5	Indeno(1,2,3-cd)Pyrene	980	
53-70-3	Dibenz(a,h)Anthracene	320	J
191-24-2	Benzo(g,h,i)Perylene	680	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS19

EAST9

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335S

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335S

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

% Moisture: 15 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.3

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN (BP M/E 79)	19.27	340	J
2.	C15.H12 PNA (BP M/E 192)	22.30	170	J
3.	C15.H12 PNA (BP M/E 192)	22.38	190	J
4.	C15.H10 PNA (BP M/E 190)	22.58	170	J
5.	UNKNOWN (BP M/E 55)	23.13	460	J
6. 57-10-3	HEXADECANOIC ACID	23.28	750	JN
7.	C15.H8.O ISOMER (BP M/E 204)	24.22	180	J
8.	BENZONAPHTHOFURAN ISOMER (BP	25.10	240	J
9.	BENZONAPHTHOFURAN ISOMER (BP	25.48	160	J
10.	C17.H12 PNA (BP M/E 216)	26.15	270	J
11.	C17.H12 PNA COELUTE (BP M/E	26.40	250	J
12.	C17.H10.O ISOMER (BP M/E 230	27.72	190	J
13.	C18.H10 PNA (BP M/E 226)	28.08	340	J
14.	C17.H10.O ISOMER (BP M/E 230	28.35	210	J
15.	C16.H11.N ISOMER COELUTE (BP	28.92	270	J
16.	C18.H12 PNA (BP M/E 228)	29.05	170	J
17.	C16.H11.N ISOMER (BP M/E 217	29.60	160	J
18.	C19.H14 PNA (BP M/E 242)	30.03	210	J
19.	UNKNOWN (BP M/E 253)	31.47	170	J
20.	C20.H12 PNA (BP M/E 252)	32.12	300	J
21.	UNKNOWN (BP M/E 43)	32.43	250	J
22.	C20.H12 PNA (BP M/E 252)	32.53	750	J
23.	C20.H12 PNA (BP M/E 252)	32.88	200	J
24.	UNKNOWN HC COELUTE (BP M/E 5	32.98	650	J
25.	C22.H14 PNA COELUTE (BP M/E	35.22	210	J
[illegible]	UNKNOWN STEROL (BP M/E 43)	35.82	600	J
[illegible]	UNKNOWN STEROL (BP M/E 55)	36.10	290	J
28.	UNKNOWN STEROL (BP M/E 43)	36.58	950	J
29.	UNKNOWN (BP M/E 55)	36.82	310	J
30.	UNKNOWN (BP M/E 55)	36.92	220	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS20

EASW0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335T

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335T

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS20

EASW0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335T

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335T

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	290	J
129-00-0	Pyrene	290	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SS20

EASW0

Lab Name: ANALYTICAL RESOURCES INC Contract: 68D50029

Lab Code: ARI Case No.: 24259 SAS No.: _____ SDG No.: EASS1

Matrix: (soil/water) SOIL Lab Sample ID: F85335T

Sample wt/vol: 30.0 (g/mL) G Lab File ID: F85335T

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

% Moisture: 12 decanted: (Y/N) Y Date Extracted: 12/07/95

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: 8.2

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 57-10-3	HEXADECANOIC ACID	23.23	170	JN
2.	UNKNOWN (BP M/E 57)	28.92	190	BJ
3.	UNKNOWN HC COELUTE (BP M/E 5	31.13	260	J
4.	UNKNOWN HC COELUTE (BP M/E 5	32.42	370	J
5.	C20.H12 PNA (BP M/E 252)	32.50	90	J
6.	UNKNOWN HC COELUTE (BP M/E 5	32.98	790	J
7.	UNKNOWN HC COELUTE (BP M/E 4	34.20	150	J
8.	UNKNOWN (BP M/E 204)	35.87	450	J
9.	UNKNOWN (BP M/E 189)	36.10	240	J
10.	UNKNOWN (BP M/E 43)	36.47	120	J
11.	UNKNOWN (BP M/E 43)	36.57	220	J
12.	UNKNOWN (BP M/E 43)	38.28	150	J

AV
1-15-96