US EPA RECORDS CENTER REGION 5
474287

U.S. Steel - Joliet Works
Will County
ILD 006 454 566
Superfund/HRS

CERCLA

Site Inspection Prioritization Analytical Results

Illinois Environmental Protection Agency

2200 Churchill Road
P. O. Box 19276
Springfield, IL 62794-9276

Printed on Recycled Paper

U.S. Steel

ILD 005 454 566

Table 3–4
Soil Sample Results

SAMPLING POINT / PARAMETER	X101 Bkgd. Soil	X102 Soil	X103 Soil	X104 Soil	X105 Soil	X106 Soil	X107 Soil	X108 Soil	X109 Soil	X501 Soil	X502 Soil
VOLATILES	No volatiles detected.	Volatiles not analyzed for ----------								No volatiles detected.	
ug/Kg											
SEMI–VOLATILES											
Naphthalene	440.0 U	71.0 J	74.0 J		39.0 J	39.0 J	47.0 J	72.0 J	65.0 J	26.0 J	
2–Methylnaphthalene	440.0 U	58.0 J	120.0 J	27.0 J	56.0 J	55.0 J	85.0 J	88.0 J	71.0 J	24.0 J	
Acenaphthylene	440.0 U	170.0 J	40.0 J								
Acenapthene	440.0 U	45.0 J	53.0 J		43.0 J	44.0 J	230.0 J				
Dibenzofuran	440.0 U	25.0 J	78.0 J		45.0 J	41.0 J	150.0 J	32.0 J	35.0 J		
Fluorene	1100.0 U	26.0 J	54.0 J		40.0 J	38.0 J	260.0 J				
N–Nitrosodiphenylamine	440.0 U					27.0 J					
Phenanthrene	100.0 J	990.0	1200.0	250.0 J	750.0	750.0	3500.0	330.0 J	260.0 J	160.0 J	65.0 J
Anthracene	440.0 U	170.0 J	100.0 J	26.0 J	96.0 J	92.0 J	620.0	32.0 J	26.0 J	45.0 J	
Carbazole	440.0 U	40.0 J	130.0 J	26.0 J	79.0 J	65.0 J	450.0 J	37.0 J			
Di–n–Butylphthalate	170.0 J	150.0 J	380.0 J	120.0 J	3320.0 J	220.0 J	200.0 J	300.0 J	330.0 J	250.0 J	280.0 J
Fluoranthene	160.0 J	1700.0	1300.0	410.0 J	1000.0	1100.0	5000.0 E	580.0	300.0 J	270.0 J	92.0 J
Pyrene	150.0 J	1300.0	1200.0	250.0 J	1100.0	1000.0	3300.0	520.0	220.0 J	190.0 J	85.0 J
Butylbenzylphthalate	440.0 U	73.0 J	35.0 J	78.0 J	45.0 J	28.0 J	130.0 J	150.0 J	59.0 J		
Benzo(A) anthracene	86.0 J	950.0	620.0	190.0 J	610.0	570.0	1700.0	300.0 J	130.0 J	170.0 J	58.0 J
Chrysene	130.0 J	1200.0	950.0	250.0 J	690.0	630.0	2000.0	470.0	230.0 J	220.0 J	95.0 J
bis(2–Ethylhexyl)Phthalate	400.0 J	300.0 J	170.0 J	1800.0	150.0 J	120.0 J	5700.0 E	230.0 J	82.0 J	120.0 J	35.0 J
Di–n–Octyl Phthalate	440.0 U	280.0 J					4700.0 E				
Benzo(b)Fluoranthene	120.0 J	1300.0	790.0	220.0 J	540.0	620.0	1500.0	520.0	180.0 J	280.0 J	79.0 J
Benzo(k)Fluoranthene	83.0 J	840.0	740.0	170.0 J	540.0	350.0 J	1600.0	280.0 J	140.0 J	250.0 J	55.0 J
Benzo(a)Pyrene	100.0 J	1200.0	750.0	170.0 J	560.0	530.0	1500.0	360.0 J	130.0 J	240.0 J	59.0 J
Indeno(1,2,3–cd)Pyrene	75.0 J	720.0	430.0 J	130.0 J	400.0 J	350.0 J	840.0	260.0 J	120.0 J	210.0 J	52.0 J
Dibenz(a,h)Anthracene	28.0 J	360.0 J	260.0 J	53.0 J	180.0 J	190.0 J	480.0 J	120.0 J	51.0 J	65.0 J	
Benzo (g,h,i)Perylene	89.0 J	880.0	530.0	150.0 J	440.0 J	370.0 J	1000.0	270.0 J	95.0 J	230.0 J	52.0 J
ug/Kg											
PESTICIDES											
delta–BHC	4.5 U	0.6 JP								0.3 JP	
Heptachlor	4.5 U				0.7 JP	1.0 JP					
Aldrin	2.5 JP			5.2 JP					3.5	4.2	2.2 P
Heptachlor epoxide	3.0 JP	20.0 P	5.3 P	130.0	17.0 P	15.0 P	28.0 P	48.0 P	6.5	4.6 P	3.6 P
Dieldrin	8.8 U	6.5					13.0 J	3.6 JP		7.1 P	
4, 4'– DDE	77.0	14.0 P	25.0 P	11.0 JP	7.1 P	7.4 P	64.0	160.0	6.3	1.9 JP	1.0 JP
Endrin	11.0			22.0 JP	5.1 P	6.0 P	5.0 JP				0.5 JP
Endosulfan II	8.8 U		5.8 JP								
4, 4'– DDD	2.3 JP						5.0 JP	12.0 JP	1.5 JP	3.1 J	
Endosulfan Sulfate	6.2 JP	7.7 P	20.0 P		5.7 P	7.9 P	10.0 JP	6.7 JP	3.2 JP	0.6 JP	0.7 JP
4, 4'– DDT	55.0	19.0 P	12.0 P	66.0	3.8 JP	7.4 P	110.0 P	190.0	9.6 P	11.0 P	0.7 JP
Methoxychlor	45.0 U			49.0 JP						5.9 JP	
Endrin ketone	2.3 JP	7.7 P	4.1 JP	32.0 J	6.2 P	6.1 P	6.5 JP	5.1 JP	2.4 JP	4.5 J	1.4 JP
alpha–chlordane	1.7 JP		31.0 P	17.0 JP	2.0 JP	2.0 JP		56.0	1.8 JP	9.1 P	1.0 JP
gamma–chlordane	0.5 JP		2.5 JP	23.0 P	0.6 JP	1.3 JP	6.5 JP	44.0		8.6	
Aroclor– 1260	88.0 U							370.0 JP		220.0	
ug/Kg											
INORGANICS											
Aluminum	13100.0	16600.0	10500.0	13300.0	14500.0	17500.0	10300.0	17700.0	13500.0	4190.0	2340.0
Antimony	0.6 B	1.4 B	2.2 B	0.5 U	0.8 B	1.3 B	0.5 B	0.8 B	0.5 U	1.3 B	0.4 U
Arsenic	13.0	15.1	32.0	8.4	12.2	13.4	18.2	12.5	12.4	26.8	13.2
Barium	156.0	154.0	273.0	153.0	228.0	234.0	107.0	175.0	114.0	77.8	100.0
Beryllium	1.5	1.3	2.5	1.7	1.3	1.6	1.2	1.9	0.9 B	0.4 B	0.7 B
Cadmium	3.4	2.1	5.9	0.9 B	1.5	2.1	9.8	1.9	0.8 B	9.3	0.6 B
Calcium	16000.0	45400.0	49600.0	49100.0	13900.0	14900.0	31600.0	55700.0	12100.0	18600.0	1760.0
Chromium	19.7	26.0	22.0	16.9	18.9	22.6	15.0	22.0	19.6	246.0	5.3
Cobalt	8.6 B	9.4 B	9.3 B	6.8 B	9.3 B	9.8 B	6.4 B	10.2 B	10.0 B	16.1	9.9
Copper	30.5	52.2	80.1	28.7	38.3	42.1	27.8	41.3	31.3	195.0	46.0
Iron	26400.0	40000.0	52100.0	16300.0	25300.0	28900.0	23500.0	28700.0	23200.0	386000.0	148000.0
Lead	83.7	299.0	561.0	135.0	146.0	148.0	132.0	218.0	80.1	824.0	25.9
Magnesium	13200.0	26500.0	25900.0	17300.0	6640.0	6940.0	15800.0	20300.0	8340.0	3780.0	537.0 B
Manganese	611.0	925.0	838.0	967.0	1120.0	1080.0	667.0	1020.0	606.0	2800.0	7500.0
Mercury	0.1 U	0.8	0.6	0.1 U	1.8	2.0	0.2	0.2	0.1	0.2	0.1 U
Nickel	24.8	23.3	28.2	15.8	20.3	24.1	15.2	27.1	25.6	151.0	4.7 B
Potassium	3900.0	5480.0	2810.0	2580.0	3070.0	3920.0	2550.0	43300.0	3030.0	1160.0	374.0 B
Selenium	0.9 B	0.8 B	1.1	1.1 B	1.1 B	1.2 B	0.9 B	1.0 B	0.7 B	0.7 U	1.2
Silver	0.3 U	0.4 B	0.5 B	0.3 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	1.5 B	0.2 U
Sodium	230.0 B	126.0 B	354.0 B	246.0 B	108.0 B	290.0	194.0 B	307.0 B	72.3 B	52.2 U	44.7 U
Thallium	0.8 U	0.8 U	0.6 U	0.8 U	0.7 U	0.8 U	0.7 U	0.8 U	0.7 U	3.4 U	2.9 U
Vanadium	28.6	29.6	28.5	22.7	31.2	38.2	26.3	28.5	29.4	9.3 B	16.8
Zinc	337.0	366.0	1100.0	150.0	299.0	409.0	199.0	319.0	202.0	5950.0	65.8
Cyanide	0.6 U	0.6 U	0.6 U	1.9	0.6 U	0.5 U	0.5 U	2.2	0.5 U	4.8	0.5 U

mg/Kg

U.S. Steel

ILD 005 454 566

Table 3–4
Sediment Sample Results

SAMPLING POINT / PARAMETER	X201 Bkgd. Sediment	X202 Sediment	X203 Sediment	X204 Sediment	X205 Sediment	X206 Sediment	X208 Sediment
VOLATILES							
2–Butanone	14.0 U		240.0	47.0	80.0		
ug/Kg							
SEMI–VOLATILES							
Naphthalene	58.0 J	80.0 J	3200.0 J	5500.0 J	990.0	430.0 J	100.0 J
2–Methylnaphthalene	53.0 J	83.0 J	1300.0 J	2400.0 J	600.0 J	270.0 J	64.0 J
Acenaphthylene	62.0 J	150.0 J	2700.0 J	4000.0 J	1000.0	390.0 J	120.0 J
Acenaphthene	200.0 J	260.0 J	32000.0	51000.0	7200.0 E	560.0 J	200.0 J
2–Nitrophenol	450.0 U					59.0 J	
Dibenzofuran	53.0 J	36.0 J	13000.0	23000.0	1900.0	280.0 J	120.0 J
Fluorene	120.0 J	54.0 J	33000.0	58000.0	6300.0 E	610.0 J	170.0 J
N–Nitrosodiphenylamine (	140.0 J	160.0 J	1100.0 J			97.0	
Phenanthrene	1200.0	660.0	150000.0 E	160000.0 E	16000.0 E	3000.0	2600.0
Anthracene	320.0 J	490.0 J	47000.0	83000.0 E	6600.0 E	1300.0	440.0 J
Carbazole	140.0 J	98.0 J	1200.0 J	2000.0 J	220.0 J	110.0 J	470.0 J
Di–n–Butylphthalate	160.0 J	33.0 J			76.0 J	87.0 J	90.0 J
Fluoranthene	2700.0	3300.0	150000.0 E	260000.0 E	17000.0 E	6000.0 E	4500.0
Pyrene	2000.0	2200.0	120000.0 E	160000.0 E	11000.0 E	3800.0	3800.0
Benzo(A) anthracene	1400.0	2100.0	79000.0 E	110000.0 E	17000.0 E	3500.0	
Chrysene	1500.0	2700.0	78000.0 E	110000.0 E	16000.0 E	4800.0	2100.0
bis(2–Ethylhexyl)Phthalate	240.0 J	590.0			48.0 J	1400.0	3200.0
Benzo(b)Fluoranthene	1200.0	2400.0	38000.0	79000.0 E	11000.0 E	4500.0	3600.0
Benzo(k)Fluoranthene	1100.0	2100.0	44000.0	55000.0	9000.0 E	4500.0	2300.0
Benzo(a)Pyrene	1200.0	2200.0	44000.0	75000.0	15000.0 E	5000.0	2800.0
Indeno(1,2,3–cd)Pyrene	750.0	1100.0	30000.0	47000.0	4500.0	2600.0	1800.0
Dibenz(a,h)Anthracene	390.0 J	720.0	19000.0	25000.0	2800.0	1600.0	1100.0
Benzo (g,h,i)Perylene	870.0	1100.0	27000.0	37000.0	5400.0	2500.0	2300.0
ug/Kg							
PESTICIDES							
Aldrin	18.0 U	8.5 JP	6.3 JP	5.8 JP	4.3 JP	8.8 JP	64.0 P
Heptachor epoxide	47.0 P	23.0 JP	38.0 P	39.0 P	25.0	20.0	130.0
Dieldrin	5.5 JP						32.0 JP
4, 4'– DDE	6.7 JP	28.0 J		6.9 JP	2.0 JP	10.0 JP	72.0 P
Endrin	36.0 U				14.0 P		
4, 4'– DDD	36.0 U	12.0 JP	16.0 J P	31.0 JP	38.0 P	11.0 J	30.0 J
Endosulfan Sulfate	36.0 U		22.0 JP				
4, 4'– DDT	36.0 U		20.0 J				
Endrin ketone	8.4 JP	67.0 P	170.0 P	210.0 P	110.0	24.0 J	34.0 JP
alpha–chlordane	18.0 U	17.0 JP		4.8 JP		5.3 JP	11.0 JP
gamma chlordane	4.8 JP				0.7 JP	4.7 JP	42.0 P
Aroclor–1248	360.0 U						3700.0
ug/Kg							
INORGANICS							
Aluminum	3570.0	15900.0	13600.0	12700.0	13900.0	13000.0	5000.0
Antimony	0.4 U		1.4 B		0.8 B		1.8 B
Arsenic	5.2	11.6	19.1	21.1	13.9	9.6	28.9
Barium	48.7	109.0	178.0	191.0	148.0	125.0	80.8 B
Beryllium	0.5 B	1.0 B	1.0 B	1.0 B	1.0 B	0.9 B	0.7 B
Cadmium	0.8 B	2.5 B	2.0	2.1	1.5	3.7	24.4
Chromium	11.9	79.0	91.7	103.0	55.4	65.2	168.0
Cobalt	3.7 B	9.2 B	7.5 B	8.3 B	10.9 B	8.6 B	12.2 B
Copper	179.0	91.9	179.0	202.0	110.0	128.0	163.0
Lead	59.3	232.0	247.0	278.0	214.0	223.0	1140.0
Magnesium	44100.0	19300.0	12700.0	14200.0	24600.0	18500.0	12000.0
Manganese	230.0	292.0	328.0	377.0	1700.0	329.0	1030.0
Mercury	0.1	0.7	3.6	4.4	2.8	0.9	1.8
Nickel	11.4	34.9	25.9	28.1	28.7	37.7	96.1
Potassium	1050.0	4180.0	3810.0	3430.0	4170.0	3120.0	
Selenium	0.6 U						3.6
Silver	0.2 U	0.6 B	2.9	3.1 B	2.0 B	1.3 B	1.8 B
Sodium	523.0 B	310.0 B	240.0 B	273.0 B	311.0 B	384.0 B	774.0 B
Vanadium	9.0 B	32.6	28.1	26.7	27.1	25.0	13.0 B
Zinc	169.0	255.0	538.0	597.0	400.0	374.0	16300.0
Cyanide	0.6 U						3.6
mg/Kg							

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK65

L. Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Lab File ID: VQ054 Lab Sample ID: BM001428

Date Analyzed: 06/04/95 Time Analyzed: 1142

GC Column: DB-624 ID: 0.530(mm) Heated Purge: (Y/N) Y

Instrument ID: 70055

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	EABB4MS	B5014404MS	FQ057	1349
02	EABB4MSD	B5014404SD	FQ058	1433

COMMENTS:

000047

FORM IV VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK63

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: BM001426

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ009

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/30/95

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

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK63

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: BM001426

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ009

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/30/95

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

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.63	13	J
2.	UNKNOWN COLUMN BLEED	15.68	33	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK65

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: BM001428

Sample wt/vol: 5.0 (g/mL) G Lab File ID: VQ054

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/04/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	13	
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-02-6	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-01-5	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK65

I Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: BM001428

Sample wt/vol: 5.0 (g/mL) G Lab File ID: VQ054

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/04/95

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	15.68	3	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB1 X20'

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: - SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014401

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ019

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 26 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	23	B U
67-64-1	Acetone	24	B U
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-02-6	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-01-5	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

gac 6-22-95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB1

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014401

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ019

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 26 Date Analyzed: 05/30/95

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

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

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.88	6	J
2.	UNKNOWN	10.17	7	J
3.	UNKNOWN	11.48	5	J
4.	UNKNOWN COLUMN BLEED	11.64	37	BJ
5.	UNKNOWN	12.01	4	J
6.	UNKNOWN	13.83	9	J
7.	UNKNOWN	14.05	5	J
8.	UNKNOWN	14.66	9	J
9.	UNKNOWN	14.92	7	J
10.	UNKNOWN COLUMN BLEED	15.71	110	BJ
11.	UNKNOWN	16.00	15	J
12.	UNKNOWN	16.52	10	J
13.	UNKNOWN	16.80	9	J
14.	UNKNOWN	18.71	9	J

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB2 X202

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014402

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ020

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 43 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	18	U
74-83-9	Bromomethane	18	U
75-01-4	Vinyl Chloride	18	U
75-00-3	Chloroethane	18	U
75-09-2	Methylene Chloride	23	BU
67-64-1	Acetone	46	BU
75-15-0	Carbon Disulfide	18 ~~5~~	BJU
75-35-4	1,1-Dichloroethene	18	U
75-34-3	1,1-Dichloroethane	18	U
540-59-0	1,2-Dichloroethene (total)	18	U
67-66-3	Chloroform	18	U
107-06-2	1,2-Dichloroethane	18	U
78-93-3	2-Butanone	18	U
71-55-6	1,1,1-Trichloroethane	18	U
56-23-5	Carbon Tetrachloride	18	U
75-27-4	Bromodichloromethane	18	U
78-87-5	1,2-Dichloropropane	18	U
10061-02-6	cis-1,3-Dichloropropene	18	U
79-01-6	Trichloroethene	18	U
124-48-1	Dibromochloromethane	18	U
79-00-5	1,1,2-Trichloroethane	18	U
71-43-2	Benzene	18	U
10061-01-5	trans-1,3-Dichloropropene	18	U
75-25-2	Bromoform	18	U
108-10-1	4-Methyl-2-Pentanone	18	U
591-78-6	2-Hexanone	18	U
127-18-4	Tetrachloroethene	18	U
79-34-5	1,1,2,2-Tetrachloroethane	18	U
108-88-3	Toluene	18	U
108-90-7	Chlorobenzene	18	U
100-41-4	Ethylbenzene	18	U
100-42-5	Styrene	18	U
1330-20-7	Xylene (total)	18	U

jac 6-22-95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB2

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014402

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ020

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 43 Date Analyzed: 05/30/95

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

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.65	21	BJU
2.	UNKNOWN	14.69	25	J
3.	UNKNOWN COLUMN BLEED	15.69	94	BJU
4.	UNKNOWN	16.00	72	J
5.	UNKNOWN	16.41	32	J
6.	UNKNOWN	16.80	25	J
7.	UNKNOWN	18.23	73	J

JAC 6-22-95

000097

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB3 X203

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ021

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 53 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl Chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene Chloride	28	BU
67-64-1	Acetone	170	B
75-15-0	Carbon Disulfide	21	BJU
75-35-4	1,1-Dichloroethene	21	U
75-34-3	1,1-Dichloroethane	21	U
540-59-0	1,2-Dichloroethene (total)	21	U
67-66-3	Chloroform	21	U
107-06-2	1,2-Dichloroethane	21	U
78-93-3	2-Butanone	240	
71-55-6	1,1,1-Trichloroethane	21	U
56-23-5	Carbon Tetrachloride	21	U
75-27-4	Bromodichloromethane	21	U
78-87-5	1,2-Dichloropropane	21	U
10061-02-6	cis-1,3-Dichloropropene	21	U
79-01-6	Trichloroethene	21	U
124-48-1	Dibromochloromethane	21	U
79-00-5	1,1,2-Trichloroethane	21	U
71-43-2	Benzene	21	U
10061-01-5	trans-1,3-Dichloropropene	21	U
75-25-2	Bromoform	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
108-88-3	Toluene	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethylbenzene	21	U
100-42-5	Styrene	21	U
1330-20-7	Xylene (total)	21	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB3

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ021

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 53 Date Analyzed: 05/30/95

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

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.64	60	BJ U
2.	UNKNOWN	14.08	25	J
3.	UNKNOWN	14.49	14	J
4.	UNKNOWN	14.91	140	J
5.	UNKNOWN ALKENE	15.37	24	J
6.	UNKNOWN	15.53	15	J
7.	UNKNOWN COLUMN BLEED	15.69	140	BJU
8.	UNKNOWN	16.14	240	J
9.	UNKNOWN	16.54	68	J
10.	UNKNOWN	16.81	49	J
11.	UNKNOWN ALKENE	18.05	12	J
12.	UNKNOWN	18.23	18	J
13.	UNKNOWN	18.36	13	J
14.	UNKNOWN AROMATIC	18.50	27	J
15.	UNKNOWN	18.77	210	J

gac 6-22-95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4 X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ022

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 65 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	29	U
74-83-9	Bromomethane	29	U
75-01-4	Vinyl Chloride	29	U
75-00-3	Chloroethane	29	U
75-09-2	Methylene Chloride	32	BU
67-64-1	Acetone	170	B U
75-15-0	Carbon Disulfide	29	BJU
75-35-4	1,1-Dichloroethene	29	U
75-34-3	1,1-Dichloroethane	29	U
540-59-0	1,2-Dichloroethene (total)	29	U
67-66-3	Chloroform	29	U
107-06-2	1,2-Dichloroethane	29	U
78-93-3	2-Butanone	47	
71-55-6	1,1,1-Trichloroethane	29	U
56-23-5	Carbon Tetrachloride	29	U
75-27-4	Bromodichloromethane	29	U
78-87-5	1,2-Dichloropropane	29	U
10061-02-6	cis-1,3-Dichloropropene	29	U
79-01-6	Trichloroethene	29	U
124-48-1	Dibromochloromethane	29	U
79-00-5	1,1,2-Trichloroethane	29	U
71-43-2	Benzene	29	U
10061-01-5	trans-1,3-Dichloropropene	29	U
75-25-2	Bromoform	29	U
108-10-1	4-Methyl-2-Pentanone	29	U
591-78-6	2-Hexanone	29	U
127-18-4	Tetrachloroethene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
108-88-3	Toluene	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
100-42-5	Styrene	29	U
1330-20-7	Xylene (total)	9	JX

gac 6-2

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB4

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ022

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 65 Date Analyzed: 05/30/95

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

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.65	46	BJ
2.	UNKNOWN	11.85	34	J
3.	UNKNOWN	12.28	30	J
4.	UNKNOWN	14.10	71	J
5.	UNKNOWN ALKENE	15.38	77	J
6.	UNKNOWN COLUMN BLEED	15.71	280	BJ
7.	UNKNOWN	16.99	200	J
8.	UNKNOWN	17.28	320	J
9.	UNKNOWN AROMATIC	17.63	44	J
10.	UNKNOWN AROMATIC	18.36	68	J
11.	UNKNOWN AROMATIC	18.50	93	J
12.	UNKNOWN	18.74	130	J
13.	UNKNOWN	18.90	39	J

gal 6-22-95

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB5 X205

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ023

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 51 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	20	U
74-83-9	Bromomethane	20	U
75-01-4	Vinyl Chloride	20	U
75-00-3	Chloroethane	20	U
75-09-2	Methylene Chloride	34	BU
67-64-1	Acetone	220	B
75-15-0	Carbon Disulfide	20 ~~5~~	BJ U
75-35-4	1,1-Dichloroethene	20	U
75-34-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	20	U
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	20	U
78-93-3	2-Butanone	80	
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-02-6	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	20	U
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	20	U
10061-01-5	trans-1,3-Dichloropropene	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
100-42-5	Styrene	20	U
1330-20-7	Xylene (total)	20	U

gal 6-22-95

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB5

L. Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ023

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 51 Date Analyzed: 05/30/95

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

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

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

Number TICs found: 13

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.64	65	BJ U
2.	UNKNOWN	12.25	18	J
3.	UNKNOWN COLUMN BLEED	15.70	230	BJ U
4.	UNKNOWN AROMATIC	16.23	46	J
5.	UNKNOWN	16.52	58	J
6.	UNKNOWN	16.85	45	J
7.	UNKNOWN	16.96	22	J
8.	UNKNOWN	17.34	26	J
9.	UNKNOWN METHYLNAPHTHALENE IS	17.76	130	J
10.	UNKNOWN	18.34	17	J
11.	UNKNOWN AROMATIC	18.51	22	J
12.	UNKNOWN AROMATIC	18.70	65	J
13.	UNKNOWN	18.91	13	J

[illegible] 6/28/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB6 X206

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ024

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 48 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	19	U
74-83-9	Bromomethane	19	U
75-01-4	Vinyl Chloride	19	U
75-00-3	Chloroethane	19	U
75-09-2	Methylene Chloride	19 ~~13~~	BJU gac 6-22-95
67-64-1	Acetone	43	BU
75-15-0	Carbon Disulfide	19	U
75-35-4	1,1-Dichloroethene	19	U
75-34-3	1,1-Dichloroethane	19	U
540-59-0	1,2-Dichloroethene (total)	19	U
67-66-3	Chloroform	19	U
107-06-2	1,2-Dichloroethane	19	U
78-93-3	2-Butanone	19	U
71-55-6	1,1,1-Trichloroethane	19	U
56-23-5	Carbon Tetrachloride	19	U
75-27-4	Bromodichloromethane	19	U
78-87-5	1,2-Dichloropropane	19	U
10061-02-6	cis-1,3-Dichloropropene	19	U
79-01-6	Trichloroethene	19	U
124-48-1	Dibromochloromethane	19	U
79-00-5	1,1,2-Trichloroethane	19	U
71-43-2	Benzene	19	U
10061-01-5	trans-1,3-Dichloropropene	19	U
75-25-2	Bromoform	19	U
108-10-1	4-Methyl-2-Pentanone	19	U
591-78-6	2-Hexanone	19	U
127-18-4	Tetrachloroethene	19	U
79-34-5	1,1,2,2-Tetrachloroethane	19	U
108-88-3	Toluene	19	U
108-90-7	Chlorobenzene	19	U
100-41-4	Ethylbenzene	19	U
100-42-5	Styrene	19	U
1330-20-7	Xylene (total)	19	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB6

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ024

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 48 Date Analyzed: 05/30/95

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

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.64	56	BJ U
2.	UNKNOWN	14.10	14	J
3.	UNKNOWN COLUMN BLEED	15.70	230	BJ U
4.	UNKNOWN	16.79	25	J
5.	UNKNOWN METHYLNAPHTHALENE IS	17.77	260	J
6.	UNKNOWN ALKENE	18.11	14	J
7.	UNKNOWN	18.68	28	J

gal 6-22-95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB8 X208

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014407

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ025

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 59 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	24	U
74-83-9	Bromomethane	24	U
75-01-4	Vinyl Chloride	24	U
75-00-3	Chloroethane	24	U
75-09-2	Methylene Chloride	72	BU
67-64-1	Acetone	36	BU
75-15-0	Carbon Disulfide	24	U
75-35-4	1,1-Dichloroethene	24	U
75-34-3	1,1-Dichloroethane	24	U
540-59-0	1,2-Dichloroethene (total)	24	U
67-66-3	Chloroform	24	U
107-06-2	1,2-Dichloroethane	24	U
78-93-3	2-Butanone	24	U
71-55-6	1,1,1-Trichloroethane	24	U
56-23-5	Carbon Tetrachloride	24	U
75-27-4	Bromodichloromethane	24	U
78-87-5	1,2-Dichloropropane	24	U
10061-02-6	cis-1,3-Dichloropropene	24	U
79-01-6	Trichloroethene	24	U
124-48-1	Dibromochloromethane	24	U
79-00-5	1,1,2-Trichloroethane	24	U
71-43-2	Benzene	24	U
10061-01-5	trans-1,3-Dichloropropene	24	U
75-25-2	Bromoform	24	U
108-10-1	4-Methyl-2-Pentanone	24	U
591-78-6	2-Hexanone	24	U
127-18-4	Tetrachloroethene	24	U
79-34-5	1,1,2,2-Tetrachloroethane	24	U
108-88-3	Toluene	24	U
108-90-7	Chlorobenzene	24	U
100-41-4	Ethylbenzene	24	U
100-42-5	Styrene	24	U
1330-20-7	Xylene (total)	24	U

gac 6-27-95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB8

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014407

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ025

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 59 Date Analyzed: 05/30/95

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

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.64	59	BJ
2.	UNKNOWN COLUMN BLEED	15.68	190	BJ
3.	UNKNOWN	16.17	38	J
4.	UNKNOWN	16.80	11	J
5.	UNKNOWN METHYLNAPHTHALENE IS	17.73	150	J
6.	UNKNOWN ALKENE	18.24	50	J

JAC 6-22-95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA1 X101

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014410

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ028

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 25 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	45	BU
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-02-6	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-01-5	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

gac 6 22 95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA1

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014410

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ028

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 25 Date Analyzed: 05/30/95

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.64	18	BJU
2.	UNKNOWN COLUMN BLEED	15.69	62	BJU
3.	UNKNOWN	18.28	12	J

JAC 6-22-95

000059

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC1 X501

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014408

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ026

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 28 Date Analyzed: 05/30/95

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

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

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

jac 6-22-95

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABC1

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014408

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ026

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 28 Date Analyzed: 05/30/95

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

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	11.64	18	BJU
2.	UNKNOWN COLUMN BLEED	15.70	68	BJU
3.	UNKNOWN DIMETHYLNAPHTHALENE	16.11	8	J
4.	UNKNOWN	18.22	11	J
5.	UNKNOWN	18.33	4	J
6.	UNKNOWN DIMETHYLNAPHTHALENE	18.70	4	J

gal 6-22-95

000253

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC2 X502

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014409

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ027

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 16 Date Analyzed: 05/30/95

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	58	B U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-02-6	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-01-5	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

gac 6-22-95

000267

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABC2

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014409

Sample wt/vol: 5.0 (g/mL) G Lab File ID: FQ027

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: not dec. 16 Date Analyzed: 05/30/95

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

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN COLUMN BLEED	15.69	22	BJ ✓
2.	UNKNOWN	18.19	5	J
3.	UNKNOWN	18.66	5	J

JAC 6-22-95

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	EABA1	93	87	76	90	65	77	78	83	0
02	EABA2	71	82	56	63	51	89	65	70	0
03	EABA3	87	81	70	83	70	66	77	80	0
04	EABA4	73	78	67	66	44	83	69	72	0
05	EABA5	86	83	66	86	72	69	74	79	0
06	EABA6	86	83	67	85	62	72	78	84	0
07	EABA7	63	79	61	62	42	91	67	70	0
08	EABA7DL	73 D	75 D	97 D	83 D	75 D	78 D	74 D	65 D	0
09	EABA8	74	76	70	67	45	81	72	76	0
10	EABA9	90	89	79	90	53	73	78	86	0
11	EABB1	80	88	57	69	68	84	72	77	0
12	EABB2	72	82	52	64	58	80	71	72	0
13	EABB3	87 D	91 D	96 D	75 D	86 D	96 D	84 D	85 D	0
14	EABB3DL	65 D	72 D	76 D	68 D	61 D	50 D	68 D	78 D	0
15	EABB4	81 D	89 D	81 D	81 D	67 D	77 D	77 D	80 D	0
16	EABB4DL	62 D	63 D	55 D	68 D	54 D	50 D	61 D	78 D	0
17	EABB4DLRE	63 D	80 D	76 D	74 D	63 D	58 D	75 D	97 D	0
18	EABB5	70	81	64	65	63	82	70	71	0
19	EABB5DL	94 D	97 D	77 D	88 D	69 D	72 D	84 D	88 D	0
20	EABB6	68	84	55	64	48	89	67	69	0
21	EABB6DL	72 D	66 D	85 D	83 D	59 D	74 D	73 D	66 D	0
22	EABB8	69	92	72	68	51	104	71	77	0
23	EABC1	69	82	61	67	57	90	71	75	0
24	EABC2	91	92	78	86	60	75	77	84	0
25	EABB4MS	85 D	89 D	95 D	80 D	96 D	115 D	88 D	83 D	0
26	EABB4MSD	87 D	93 D	83 D	91 D	82 D	89 D	89 D	86 D	0
27	SBLK1	87	81	83	76	57	55	65	83	0

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

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

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix Spike - EPA Sample No.: EABB4 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	7140	0	5816	81	26- 90
2-Chlorophenol	7140	0	6135	86	25-102
1,4-Dichlorobenzene	4760	0	4043	85	28-104
N-Nitroso-di-n-prop.(1)	4760	0	3481	73	41-126
1,2,4-Trichlorobenzene	4760	0	3346	70	38-107
4-Chloro-3-methylphenol	7140	0	5625	79	26-103
Acenaphthene	4760	51110	52960	39	31-137
4-Nitrophenol	7140	0	5053	71	11-114
2,4-Dinitrotoluene	4760	0	2482	52	28- 89
Pentachlorophenol	7140	0	5711	80	17-109
Pyrene	4760	155500	201900	975 *	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	7140	4364	61	28	35	26- 90
2-Chlorophenol	7140	4739	66	26	50	25-102
1,4-Dichlorobenzene	4760	2872	60	34 *	27	28-104
N-Nitroso-di-n-prop.(1)	4760	2866	60	20	38	41-126
1,2,4-Trichlorobenzene	4760	2527	53	28 *	23	38-107
4-Chloro-3-methylphenol	7140	4613	65	19	33	26-103
Acenaphthene	4760	62250	234 *	143 *	19	31-137
4-Nitrophenol	7140	3521	49	37	50	11-114
2,4-Dinitrotoluene	4760	2134	45	14	47	28- 89
Pentachlorophenol	7140	3415	48	50 *	47	17-109
Pyrene	4760	182000	557 *	55 *	36	35-142

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

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 5 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Lab File ID: GJ731 Lab Sample ID: B5B0025301

Instrument ID: 700606 Date Extracted: 05/26/95

Matrix: (soil/water) SOIL Date Analyzed: 06/03/95

Level:(low/med) LOW Time Analyzed: 1642

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	EABA1	B5014410	GJ734	06/03/95
02	EABA2	B5014411	GJ752	06/04/95
03	EABA3	B5014412	GJ738	06/03/95
04	EABA4	B5014413	GJ744	06/04/95
05	EABA5	B5014414	GJ736	06/03/95
06	EABA6	B5014415	GJ737	06/03/95
07	EABA7	B5014416	GJ753	06/04/95
08	EABA7DL	B5014416DL	WJ802	06/07/95
09	EABA8	B5014417	GJ745	06/04/95
10	EABA9	B5014418	GJ735	06/03/95
11	EABB1	B5014401	GJ746	06/04/95
12	EABB2	B5014402	GJ747	06/04/95
13	EABB3	B5014403	GJ841	06/09/95
14	EABB3DL	B5014403DL	GJ851	06/09/95
15	EABB4	B5014404	GJ854	06/09/95
16	EABB4DL	B5014404DL	GJ853	06/09/95
17	EABB4DLRE	B5014404V	GJ859	06/09/95
18	EABB5	B5014405	GJ748	06/04/95
19	EABB5DL	B5014405DL	GJ852	06/09/95
20	EABB6	B5014406	GJ749	06/04/95
21	EABB6DL	B5014406DL	WJ801	06/07/95
22	EABB8	B5014407	GJ750	06/04/95
23	EABC1	B5014408	GJ751	06/04/95
24	EABC2	B5014409	GJ733	06/03/95
25	EABB4MS	B5014404MS	GJ842	06/09/95
26	EABB4MSD	B5014404SD	GJ855	06/09/95

COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5B0025301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ731

Level: (low/med) LOW Date Received:

% Moisture: decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

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	Dimethyl Phthalate	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.

SBLK1

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5B0025301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ731

Level: (low/med) LOW Date Received:

% Moisture: decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

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.

SBLK1

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5B0025301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ731

Level: (low/med) LOW Date Received:

% Moisture: decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.33	74	J
2. 4436753	3-Hexene-2,5-dione	5.43	290	JN
3.	UNKNOWN	5.80	200	J
4.	UNKNOWN	5.83	190	J
5.	UNKNOWN	7.95	380	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA1 X101

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014410

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ734

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA1 X101

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014410

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ734

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	170	J
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	86	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)Phthalate	400	J
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	120	J
207-08-9	Benzo(k)Fluoranthene	83	J
50-32-8	Benzo(a)Pyrene	100	J
193-39-5	Indeno(1,2,3-cd)Pyrene	75	J
53-70-3	Dibenz(a,h)Anthracene	28	J
191-24-2	Benzo(g,h,i)Perylene	89	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA1

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014410

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ734

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.35	360	BJ U
2. 4436753	3-Hexene-2,5-dione	5.45	490	BJN U
3.	UNKNOWN	5.53	96	J
4.	UNKNOWN	5.82	2900	BJ
5.	UNKNOWN	6.05	180	J
6.	UNKNOWN	6.32	250	J
7.	UNKNOWN	6.50	2300	J
8.	UNKNOWN	7.73	100	J
9.	UNKNOWN	7.95	620	BJ U
10.	UNKNOWN ACID	9.87	140	J
11.	UNKNOWN ACID	14.25	150	J
12.	UNKNOWN	15.32	210	J
13.	UNKNOWN	15.38	100	J
14. 57103	Hexadecanoic acid	15.45	560	JN
15.	UNKNOWN	15.80	150	J
16. 57114	Octadecanoic acid	17.03	110	JN
17.	UNKNOWN	17.65	210	J
18.	UNKNOWN	18.97	160	J
19.	UNKNOWN	19.38	980	J
20.	UNKNOWN	20.67	160	J
21.	UNKNOWN	21.52	230	J
22.	UNKNOWN	21.90	990	J
23.	UNKNOWN	23.38	520	J
24.	UNKNOWN	24.48	170	J
25.	UNKNOWN ALCOHOL	25.37	350	J
26.	UNKNOWN	26.05	470	J
27.	UNKNOWN	26.38	560	J
28.	UNKNOWN	26.80	1000	J
29.	UNKNOWN	27.17	160	J
30.	UNKNOWN	28.95	500	J

gac 6-12-95

gac 6-22-95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA2 X102

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014411

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ752

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	71	J
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	58	J
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	450	U
208-96-8	Acenaphthylene	170	J
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	45	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA2 X102

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014411

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ752

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	25	J
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	26	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	990	
120-12-7	Anthracene	170	J
86-74-8	Carbazole	40	J
84-74-2	Di-n-Butylphthalate	150	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzylphthalate	73	J
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)Anthracene	950	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)Phthalate	300	J
117-84-0	Di-n-Octyl Phthalate	280	J
205-99-2	Benzo(b)Fluoranthene	1300	
207-08-9	Benzo(k)Fluoranthene	840	
50-32-8	Benzo(a)Pyrene	1200	
193-39-5	Indeno(1,2,3-cd)Pyrene	720	
53-70-3	Dibenz(a,h)Anthracene	360	J
191-24-2	Benzo(g,h,i)Perylene	880	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA2

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014411

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ752

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.27	3300	J
2.		UNKNOWN	5.35	650	BJ
3.	4436753	3-Hexene-2,5-dione	5.47	450	BJ
4.		UNKNOWN	5.55	92	J
5.		UNKNOWN	5.82	2700	BJ
6.		UNKNOWN	6.05	170	J
7.		UNKNOWN	6.33	190	J
8.		UNKNOWN	6.50	1500	J
9.		UNKNOWN	7.97	540	BJ
10.		UNKNOWN ACID	9.87	170	J
11.		UNKNOWN DIMETHYLNAPHTHALENE	10.77	240	J
12.		UNKNOWN	15.32	340	J
13.		UNKNOWN ACID	15.40	190	J
14.	57103	Hexadecanoic acid	15.47	820	JN
15.		UNKNOWN PAH	15.75	340	J
16.		UNKNOWN PAH	16.10	160	J
17.	84651	9,10-Anthracenedione	16.18	160	JN
18.		UNKNOWN PAH	16.42	260	J
19.		UNKNOWN PAH	16.67	170	J
20.		UNKNOWN PAH	16.92	830	J
21.		UNKNOWN	17.07	730	J
22.		UNKNOWN PAH	18.15	440	J
23.		UNKNOWN PAH	18.37	250	J
24.		UNKNOWN HEXANEDIOIC ACID ISO	18.80	6500	J
25.		UNKNOWN PAH	20.27	270	J
26.		UNKNOWN	21.08	360	J
27.		UNKNOWN	21.92	810	J
28.		UNKNOWN PAH	22.68	1200	J
29.		UNKNOWN	24.55	690	J
30.		UNKNOWN	26.12	3000	J

gac 6-22-95

gac 6-22-95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA3 X103

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014412

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ738

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)Ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-Di-n-Propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)Methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	74	J
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-Methylphenol	480	U
91-57-6	2-Methylnaphthalene	120	J
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	480	U
208-96-8	Acenaphthylene	40	J
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	53	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA3 X103

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014412

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ738

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	78	J
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	54	J
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	100	J
86-74-8	Carbazole	130	J
84-74-2	Di-n-Butylphthalate	380	J
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	35	J
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)Anthracene	620	
218-01-9	Chrysene	950	
117-81-7	bis(2-Ethylhexyl)Phthalate	170	J
117-84-0	Di-n-Octyl Phthalate	480	U
205-99-2	Benzo(b)Fluoranthene	790	
207-08-9	Benzo(k)Fluoranthene	740	
50-32-8	Benzo(a)Pyrene	750	
193-39-5	Indeno(1,2,3-cd)Pyrene	430	J
53-70-3	Dibenz(a,h)Anthracene	260	J
191-24-2	Benzo(g,h,i)Perylene	530	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA3

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014412

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ738

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.35	580	BJ
2. 4436753	3-Hexene-2,5-dione	5.45	520	BJNU
3.	UNKNOWN	5.82	3100	BJ
4.	UNKNOWN	6.05	220	J
5.	UNKNOWN	6.33	280	J
6.	UNKNOWN	6.50	1800	J
7.	UNKNOWN	7.97	590	BJU
8. 90120	Naphthalene, 1-methyl-	9.60	160	JN
9.	UNKNOWN ACID	9.87	310	J
10.	UNKNOWN DIMETHYLNAPHTHALENE	10.77	620	J
11.	UNKNOWN DIMETHYLNAPHTHALENE	10.98	210	J
12.	UNKNOWN TRIMETHYLNAPHTHALENE	12.10	150	J
13.	UNKNOWN TRIMETHYLNAPHTHALENE	12.28	230	J
14.	UNKNOWN TRIMETHYLNAPHTHALENE	12.73	150	J
15.	UNKNOWN	13.03	220	J
16.	UNKNOWN ACID	13.68	150	J
17.	UNKNOWN	13.95	220	J
18. 57103	Hexadecanoic acid	15.47	880	JN
19.	UNKNOWN PAH	15.57	240	J
20.	UNKNOWN PAH	15.73	390	J
21.	UNKNOWN PAH	15.80	210	J
22.	UNKNOWN PAH	16.65	190	J
23.	UNKNOWN PAH	16.90	220	J
24. 57114	Octadecanoic acid	17.03	160	J
25.	UNKNOWN PAH	18.13	310	J
26.	UNKNOWN HEXANEDIOIC ACID ISO	18.77	270	J
27.	UNKNOWN ALCOHOL	19.38	840	J
28.	UNKNOWN	21.90	1300	J
29.	UNKNOWN	23.40	540	J
30.	UNKNOWN	26.08	1300	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA4 X164

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014413

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ744

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

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	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	27	J
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA4 X104

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014413

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ744

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

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	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	26	J
86-74-8	Carbazole	26	J
84-74-2	Di-n-Butylphthalate	120	J
206-44-0	Fluoranthene	410	J
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	78	J
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)Anthracene	190	J
218-01-9	Chrysene	250	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1800	
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	220	J
207-08-9	Benzo(k)Fluoranthene	170	J
50-32-8	Benzo(a)Pyrene	170	J
193-39-5	Indeno(1,2,3-cd)Pyrene	130	J
53-70-3	Dibenz(a,h)Anthracene	53	J
191-24-2	Benzo(g,h,i)Perylene	150	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA4 X104

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: - SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014413

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ744

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.27	3800	J
2.	UNKNOWN	5.33	600	BJ
3. 4436753	3-Hexene-2,5-dione	5.45	380	BJNU
4.	UNKNOWN	5.82	3400	BJ
5.	UNKNOWN	6.03	230	J
6.	UNKNOWN	6.32	180	J
7.	UNKNOWN	6.48	1700	J
8.	UNKNOWN	7.73	130	J
9.	UNKNOWN	7.95	580	BJU
10.	UNKNOWN ACID	9.85	130	J
11.	UNKNOWN DIMETHYLNAPHTHALENE	10.75	140	J
12.	UNKNOWN ACID	14.25	210	J
13.	UNKNOWN ACID	14.33	97	J
14.	UNKNOWN	15.30	260	J
15.	UNKNOWN	15.38	370	J
16. 57103	Hexadecanoic acid	15.45	870	JN
17.	UNKNOWN	15.80	190	J
18. 57114	Octadecanoic acid	17.02	100	JN
19.	UNKNOWN PCB	18.55	210	J
20.	UNKNOWN	18.83	370	J
21.	UNKNOWN	19.37	910	J
22.	UNKNOWN	20.42	200	J
23.	UNKNOWN	20.67	300	J
24.	UNKNOWN	21.50	500	J
25.	UNKNOWN	21.90	2100	J
26.	UNKNOWN	24.48	180	J
27.	UNKNOWN	26.03	530	J
28.	UNKNOWN	26.80	1100	J
29.	UNKNOWN	28.17	170	J
30.	UNKNOWN	28.92	550	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA5 X105

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014414

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ736

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)Ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-Di-n-Propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)Methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	39	J
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-Methylphenol	480	U
91-57-6	2-Methylnaphthalene	56	J
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	43	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA5 X105

I Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014414

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ736

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	45	J
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	40	J
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	750	
120-12-7	Anthracene	96	J
86-74-8	Carbazole	79	J
84-74-2	Di-n-Butylphthalate	320	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	45	J
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)Anthracene	610	
218-01-9	Chrysene	690	
117-81-7	bis(2-Ethylhexyl)Phthalate	150	J
117-84-0	Di-n-Octyl Phthalate	480	U
205-99-2	Benzo(b)Fluoranthene	540	
207-08-9	Benzo(k)Fluoranthene	540	
50-32-8	Benzo(a)Pyrene	560	
193-39-5	Indeno(1,2,3-cd)Pyrene	400	J
53-70-3	Dibenz(a,h)Anthracene	180	J
191-24-2	Benzo(g,h,i)Perylene	440	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA5 X105

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014414

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ736

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 31 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.35	820	BJ U
2. 4436753	3-Hexene-2,5-dione	5.45	430	BJN U
3.	UNKNOWN	5.82	3100	BJ
4.	UNKNOWN	6.05	200	J
5.	UNKNOWN	6.32	240	J
6.	UNKNOWN	6.50	2400	J
7.	UNKNOWN	7.95	610	BJ U
8.	UNKNOWN ACID	9.87	170	J
9.	UNKNOWN DIMETHYLNAPHTHALENE	10.77	250	J
10.	UNKNOWN	11.17	140	J
11.	UNKNOWN TRIMETHYLNAPHTHALENE	12.27	110	J
12.	UNKNOWN ACID	14.25	170	J
13.	UNKNOWN PHTHALATE ESTER	14.38	260	J
14.	UNKNOWN	15.32	220	J
15.	UNKNOWN	15.38	220	J
16. 57103	Hexadecanoic acid	15.45	1100	BJ U
17.	UNKNOWN PAH	15.55	210	J
18.	UNKNOWN PAH	15.73	300	J
19.	UNKNOWN PAH	15.78	200	J
20.	UNKNOWN PAH	16.65	150	J
21.	UNKNOWN PAH	16.92	340	J
22.	UNKNOWN PAH	18.13	160	J
23.	UNKNOWN	19.37	620	J
24.	UNKNOWN	21.52	570	J
25.	UNKNOWN ALCOHOL	21.90	1500	J
26.	UNKNOWN ALCOHOL	23.38	500	J
27.	UNKNOWN	25.38	540	J
28.	UNKNOWN	26.07	880	J
29.	UNKNOWN	26.80	870	J
30.	UNKNOWN	28.95	540	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA6 X106

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014415

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ737

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)Ether	490	U
95-57-8	2-Chlorophenol	490	U
541-73-1	1,3-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
95-50-1	1,2-Dichlorobenzene	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-Di-n-Propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)Methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
120-82-1	1,2,4-Trichlorobenzene	490	U
91-20-3	Naphthalene	39	J
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	U
59-50-7	4-Chloro-3-Methylphenol	490	U
91-57-6	2-Methylnaphthalene	55	J
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	490	U
208-96-8	Acenaphthylene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	44	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA6 X106

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014415

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ737

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	41	J
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
86-73-7	Fluorene	38	J
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	27	J
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	750	
120-12-7	Anthracene	92	J
86-74-8	Carbazole	65	J
84-74-2	Di-n-Butylphthalate	220	J
206-44-0	Fluoranthene	1100	
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	28	J
91-94-1	3,3'-Dichlorobenzidine	490	U
56-55-3	Benzo(a)Anthracene	570	
218-01-9	Chrysene	630	
117-81-7	bis(2-Ethylhexyl)Phthalate	120	J
117-84-0	Di-n-Octyl Phthalate	490	U
205-99-2	Benzo(b)Fluoranthene	620	
207-08-9	Benzo(k)Fluoranthene	350	J
50-32-8	Benzo(a)Pyrene	530	
193-39-5	Indeno(1,2,3-cd)Pyrene	350	J
53-70-3	Dibenz(a,h)Anthracene	190	J
191-24-2	Benzo(g,h,i)Perylene	370	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA6 X106

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014415

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ737

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 32 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.35	500	BJ
2. 4436753	3-Hexene-2,5-dione	5.45	540	BJN
3.	UNKNOWN	5.82	3300	BJ
4.	UNKNOWN	6.05	190	J
5.	UNKNOWN	6.32	230	J
6.	UNKNOWN	6.50	2500	J
7.	UNKNOWN	7.73	150	J
8.	UNKNOWN	7.95	620	BJ
9.	UNKNOWN ACID	9.87	120	J
10.	UNKNOWN DIMETHYLNAPHTHALENE	10.77	280	J
11.	UNKNOWN TRIMETHYLNAPHTHALENE	12.28	140	J
12.	UNKNOWN AROMATIC	13.95	120	J
13.	UNKNOWN ACID	14.25	150	J
14.	UNKNOWN	14.87	220	J
15.	UNKNOWN ACID	15.32	170	J
16.	UNKNOWN ACID	15.38	170	J
17. 57103	Hexadecanoic acid	15.45	790	JN
18.	UNKNOWN PAH	15.55	130	J
19.	UNKNOWN PAH	15.73	250	J
20.	UNKNOWN PAH	15.80	200	J
21.	UNKNOWN	16.88	190	J
22.	UNKNOWN PAH	18.13	150	J
23.	UNKNOWN ALCOHOL	19.38	610	J
24.	UNKNOWN	21.52	510	J
25.	UNKNOWN	21.90	1600	J
26.	UNKNOWN	23.38	580	J
27.	UNKNOWN	25.38	530	J
28.	UNKNOWN	26.07	1000	J
29.	UNKNOWN	26.40	400	J
30.	UNKNOWN	26.80	980	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA7 X107

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ753

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 41 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)Ether	560	U
95-57-8	2-Chlorophenol	560	U
541-73-1	1,3-Dichlorobenzene	560	U
106-46-7	1,4-Dichlorobenzene	560	U
95-50-1	1,2-Dichlorobenzene	560	U
95-48-7	2-Methylphenol	560	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560	U
106-44-5	4-Methylphenol	560	U
621-64-7	N-Nitroso-Di-n-Propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)Methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
120-82-1	1,2,4-Trichlorobenzene	560	U
91-20-3	Naphthalene	47	J
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
59-50-7	4-Chloro-3-Methylphenol	560	U
91-57-6	2-Methylnaphthalene	85	J
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	560	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethyl Phthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	230	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA7 X167

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ753

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 41 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	150	J
121-14-2	2,4-Dinitrotoluene	560	U
84-66-2	Diethylphthalate	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
86-73-7	Fluorene	260	J
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-Methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	3500	
120-12-7	Anthracene	620	
86-74-8	Carbazole	450	J
84-74-2	Di-n-Butylphthalate	200	J
206-44-0	Fluoranthene	5000	E
129-00-0	Pyrene	3300	
85-68-7	Butylbenzylphthalate	130	J
91-94-1	3,3'-Dichlorobenzidine	560	U
56-55-3	Benzo(a)Anthracene	1700	
218-01-9	Chrysene	2000	
117-81-7	bis(2-Ethylhexyl)Phthalate	5700	E
117-84-0	Di-n-Octyl Phthalate	4700	E
205-99-2	Benzo(b)Fluoranthene	1500	
207-08-9	Benzo(k)Fluoranthene	1600	
50-32-8	Benzo(a)Pyrene	1500	
193-39-5	Indeno(1,2,3-cd)Pyrene	840	
53-70-3	Dibenz(a,h)Anthracene	480	J
191-24-2	Benzo(g,h,i)Perylene	1000	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA7 X107

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ753

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 41 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.27	4000	J
2.	UNKNOWN	5.35	910	BJ
3. 4436753	3-Hexene-2,5-dione	5.47	570	BJN
4.	UNKNOWN	5.82	3100	BJ
5.	UNKNOWN	6.05	210	J
6.	UNKNOWN	6.50	2000	J
7.	UNKNOWN	7.75	130	J
8.	UNKNOWN	7.97	650	BJ
9.	UNKNOWN ACID	9.87	200	J
10.	UNKNOWN DIMETHYLNAPHTHALENE	10.77	260	J
11.	UNKNOWN TRIMETHYLNAPHTHALENE	12.28	140	J
12. 132650	Dibenzothiophene	14.27	210	JN
13.	UNKNOWN	15.32	120	J
14. 57103	Hexadecanoic acid	15.45	530	JN
15.	UNKNOWN PAH	15.50	160	J
16.	UNKNOWN PAH	15.57	230	J
17.	UNKNOWN PAH	15.77	640	J
18. 84651	9,10-Anthracenedione	16.20	170	JN
19.	UNKNOWN PAH	16.93	160	J
20.	UNKNOWN PAH	18.15	560	J
21.	UNKNOWN PAH	18.27	440	J
22.	UNKNOWN	19.38	820	J
23.	UNKNOWN PAH	20.18	310	J
24.	UNKNOWN	20.43	460	J
25.	UNKNOWN PHTHALATE ESTER	21.03	440	J
26.	UNKNOWN	21.53	760	J
27.	UNKNOWN	21.92	890	J
28.	UNKNOWN PAH	22.28	710	J
29.	UNKNOWN PAH	22.68	1100	J
30.	UNKNOWN	26.10	1800	J

JAC 6-22-9

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA7DL X107

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WJ802

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 41 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1100	U
111-44-4	bis(2-Chloroethyl)Ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	N-Nitroso-Di-n-Propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
111-91-1	bis(2-Chloroethoxy)Methane	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	1100	U
106-47-8	4-Chloroaniline	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-Methylphenol	1100	U
91-57-6	2-Methylnaphthalene	64	DJ
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	2800	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	2800	U
131-11-3	Dimethyl Phthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	2800	U
83-32-9	Acenaphthene	190	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA7DL X07

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WJ802

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 41 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2800	U
100-02-7	4-Nitrophenol	2800	U
132-64-9	Dibenzofuran	130	DJ
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
86-73-7	Fluorene	200	DJ
100-01-6	4-Nitroaniline	2800	U
534-52-1	4,6-Dinitro-2-Methylphenol	2800	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	2800	U
85-01-8	Phenanthrene	3200	D
120-12-7	Anthracene	560	DJ
86-74-8	Carbazole	360	DJ
84-74-2	Di-n-Butylphthalate	180	DJ
206-44-0	Fluoranthene	4400	D
129-00-0	Pyrene	4600	D
85-68-7	Butylbenzylphthalate	59	DJ
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)Anthracene	1500	D
218-01-9	Chrysene	2100	D
117-81-7	bis(2-Ethylhexyl)Phthalate	7400	D
117-84-0	Di-n-Octyl Phthalate	290	DJ
205-99-2	Benzo(b)Fluoranthene	1200	D
207-08-9	Benzo(k)Fluoranthene	1900	D
50-32-8	Benzo(a)Pyrene	1600	D
193-39-5	Indeno(1,2,3-cd)Pyrene	1000	DJ
53-70-3	Dibenz(a,h)Anthracene	430	DJ
191-24-2	Benzo(g,h,i)Perylene	1100	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA7DL X107

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: - SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WJ802

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 41 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

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

Number TICs found: 25

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.18	1500	BJ
2.	4436-75-3	3-Hexene-2,5-dione	5.30	1100	BJN
3.		UNKNOWN	5.65	7000	BJ
4.		UNKNOWN	5.88	470	J
5.		UNKNOWN	6.15	380	J
6.		UNKNOWN	6.32	10000	J
7.		UNKNOWN	7.75	1200	BJ
8.		UNKNOWN ACID	9.63	320	J
9.		UNKNOWN	10.93	330	J
10.		UNKNOWN ACID	14.02	400	J
11.		UNKNOWN	15.07	440	J
12.		UNKNOWN	15.13	320	J
13.	57-10-3	Hexadecanoic acid	15.20	2100	JN
14.		UNKNOWN PAH	15.28	310	J
15.		UNKNOWN PAH	15.48	870	J
16.		UNKNOWN ALCOHOL	15.57	350	J
17.		UNKNOWN	15.90	260	J
18.	57-11-4	Octadecanoic acid	16.78	420	JN
19.		UNKNOWN ALCOHOL	19.13	1500	J
20.		UNKNOWN	21.27	670	J
21.		UNKNOWN	21.63	2500	J
22.		UNKNOWN PAH	22.28	1300	J
23.		UNKNOWN	23.03	1200	J
24.		UNKNOWN	24.88	530	J
25.		UNKNOWN	25.47	940	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA8 X108

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014417

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ745

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	72	J
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	88	J
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA8 X108

I Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014417

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ745

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	32	J
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	330	J
120-12-7	Anthracene	32	J
86-74-8	Carbazole	37	J
84-74-2	Di-n-Butylphthalate	300	J
206-44-0	Fluoranthene	580	
129-00-0	Pyrene	520	
85-68-7	Butylbenzylphthalate	150	J
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)Anthracene	300	J
218-01-9	Chrysene	470	
117-81-7	bis(2-Ethylhexyl)Phthalate	230	J
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	520	
207-08-9	Benzo(k)Fluoranthene	280	J
50-32-8	Benzo(a)Pyrene	360	J
193-39-5	Indeno(1,2,3-cd)Pyrene	260	J
53-70-3	Dibenz(a,h)Anthracene	120	J
191-24-2	Benzo(g,h,i)Perylene	270	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA8 X108

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014417

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ745

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.25	3100	J
2.	UNKNOWN	5.33	520	BJ
3. 4436753	3-Hexene-2,5-dione	5.45	520	BJN U
4.	UNKNOWN	5.82	3000	BJ
5.	UNKNOWN	6.05	170	J
6.	UNKNOWN	6.32	180	J
7.	UNKNOWN	7.73	130	J
8.	UNKNOWN	7.95	510	BJU
9.	UNKNOWN ACID	9.87	150	J
10. 130154	1,4-Naphthalenedione	10.68	170	JN
11.	UNKNOWN DIMETHYLNAPHTHALENE	10.77	180	J
12. 481390	1,4-Naphthalenedione, 5-hydr	11.75	4000	JN
13.	UNKNOWN	12.48	140	J
14.	UNKNOWN	13.33	110	J
15.	UNKNOWN ACID	14.25	270	J
16.	UNKNOWN ACID	14.33	140	J
17.	UNKNOWN PHTHALATE ESTER	14.83	120	J
18.	UNKNOWN	15.32	290	J
19.	UNKNOWN	15.45	1000	J
20.	UNKNOWN PAH	15.55	100	J
21.	UNKNOWN PAH	15.73	130	J
22.	UNKNOWN	15.80	180	J
23.	UNKNOWN	16.88	230	J
24.	UNKNOWN	16.92	180	J
25.	UNKNOWN	19.37	1100	J
26.	UNKNOWN	20.68	240	J
27.	UNKNOWN	21.52	680	J
28.	UNKNOWN	21.90	1900	J
29.	UNKNOWN	23.40	400	J
30.	UNKNOWN	26.82	690	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA9 X109

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014418

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ735

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	65	J
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	71	J
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA9 X109

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014418

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ735

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	35	J
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	26	J
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	330	J
206-44-0	Fluoranthene	300	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	59	J
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	130	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)Phthalate	82	J
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	180	J
207-08-9	Benzo(k)Fluoranthene	140	J
50-32-8	Benzo(a)Pyrene	130	J
193-39-5	Indeno(1,2,3-cd)Pyrene	120	J
53-70-3	Dibenz(a,h)Anthracene	51	J
191-24-2	Benzo(g,h,i)Perylene	95	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABA9 X109

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014418

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ735

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.35	550	BJ
2.	UNKNOWN	5.47	570	J
3.	UNKNOWN	5.82	2900	BJ
4.	UNKNOWN	6.05	190	J
5.	UNKNOWN	6.32	210	J
6.	UNKNOWN	6.50	1300	J
7.	UNKNOWN	7.73	150	J
8.	UNKNOWN	7.95	530	BJ
9. 90120	Naphthalene, 1-methyl-	9.60	120	JN
10.	UNKNOWN ACID	9.87	120	J
11.	UNKNOWN DIMETHYLNAPHTHALENE	10.77	240	J
12.	UNKNOWN	11.35	270	J
13.	UNKNOWN	12.17	140	J
14.	UNKNOWN AROMATIC	12.47	220	J
15.	UNKNOWN	13.30	550	J
16.	UNKNOWN	14.15	190	J
17.	UNKNOWN ACID	14.27	200	J
18.	UNKNOWN ACID	14.35	110	J
19.	UNKNOWN PHTHALATE ESTER	14.83	110	J
20.	UNKNOWN	15.12	120	J
21.	UNKNOWN ACID	15.32	220	J
22.	UNKNOWN ACID	15.38	330	J
23. 57103	Hexadecanoic acid	15.45	850	JN
24.	UNKNOWN PAH	15.73	96	J
25.	UNKNOWN	15.82	180	J
26. 57114	Octadecanoic acid	17.03	91	JN
27.	UNKNOWN ALCOHOL	19.38	830	J
28.	UNKNOWN	20.37	400	J
29.	UNKNOWN	21.07	270	J
30.	UNKNOWN ALCOHOL	21.90	810	J

JAC 6-29

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC1 x501

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014408

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ751

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	26	J
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	24	J
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethyl Phthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC1 X501

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014408

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ751

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-Methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	45	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	250	J
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	190	J
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)Anthracene	170	J
218-01-9	Chrysene	220	J
117-81-7	bis(2-Ethylhexyl)Phthalate	120	J
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	280	J
207-08-9	Benzo(k)Fluoranthene	250	J
50-32-8	Benzo(a)Pyrene	240	J
193-39-5	Indeno(1,2,3-cd)Pyrene	210	J
53-70-3	Dibenz(a,h)Anthracene	65	J
191-24-2	Benzo(g,h,i)Perylene	230	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABC1 X501

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014408

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ751

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.27	3600	J
2.	UNKNOWN	5.35	800	BJ
3. 4436753	3-Hexene-2,5-dione	5.45	350	BJN
4.	UNKNOWN	5.82	2900	BJ
5.	UNKNOWN	6.05	190	J
6.	UNKNOWN	6.33	130	J
7.	UNKNOWN AROMATIC	7.48	110	J
8.	UNKNOWN	7.97	510	BJ
9.	UNKNOWN ACID	9.87	140	J
10. 57103	Hexadecanoic acid	15.45	480	JN
11.	UNKNOWN	17.05	140	J
12.	UNKNOWN	19.40	840	J
13.	UNKNOWN	21.83	390	J
14.	UNKNOWN	23.27	670	J
15.	UNKNOWN	28.83	320	J

JAC 6-22-9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC2 X582

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014409

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ733

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	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	990	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC2 X502

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014409

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ733

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	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	990	U
534-52-1	4,6-Dinitro-2-Methylphenol	990	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	990	U
85-01-8	Phenanthrene	65	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-Butylphthalate	280	J
206-44-0	Fluoranthene	92	J
129-00-0	Pyrene	85	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)Anthracene	58	J
218-01-9	Chrysene	95	J
117-81-7	bis(2-Ethylhexyl)Phthalate	35	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	79	J
207-08-9	Benzo(k)Fluoranthene	55	J
50-32-8	Benzo(a)Pyrene	59	J
193-39-5	Indeno(1,2,3-cd)Pyrene	52	J
53-70-3	Dibenz(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	52	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABC2 X502

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014409

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ733

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/03/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.33	450	BJ
2. 4436753	3-Hexene-2,5-dione	5.45	420	BJN
3.	UNKNOWN	5.53	80	J
4.	UNKNOWN	5.82	1400	BJ
5.	UNKNOWN	6.32	200	J
6.	UNKNOWN	7.95	470	BJ
7.	UNKNOWN ACID	9.87	160	J
8.	UNKNOWN PHTHALATE ESTER	14.83	130	J
9.	UNKNOWN	15.38	210	J
10. 57103	Hexadecanoic acid	15.45	530	JN
11.	UNKNOWN	18.13	140	J
12.	UNKNOWN HEXANEDIOIC ACID ISO	18.77	270	J
13.	UNKNOWN	18.97	86	J
14.	UNKNOWN	19.37	700	J
15.	UNKNOWN	20.67	160	J
16.	UNKNOWN	21.52	150	J
17.	UNKNOWN	21.90	320	J
18.	UNKNOWN PAH	22.63	92	J
19.	UNKNOWN	23.38	290	J
20.	UNKNOWN	24.48	85	J
21.	UNKNOWN	26.03	150	J
22.	UNKNOWN	26.80	390	J
23.	UNKNOWN	28.93	230	J

6-22-95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB1 X201

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ746

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	26	J
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	58	J
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	53	J
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethyl Phthalate	450	U
208-96-8	Acenaphthylene	62	J
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	200	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB1 X201

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ746

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	53	J
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	140	J
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	320	J
86-74-8	Carbazole	140	J
84-74-2	Di-n-Butylphthalate	160	J
206-44-0	Fluoranthene	2700	
129-00-0	Pyrene	2000	
85-68-7	Butylbenzylphthalate	33	J
91-94-1	3,3'-Dichlorobenzidine	450	U
56-55-3	Benzo(a)Anthracene	1400	
218-01-9	Chrysene	1500	
117-81-7	bis(2-Ethylhexyl)Phthalate	240	J
117-84-0	Di-n-Octyl Phthalate	450	U
205-99-2	Benzo(b)Fluoranthene	1200	
207-08-9	Benzo(k)Fluoranthene	1100	
50-32-8	Benzo(a)Pyrene	1200	
193-39-5	Indeno(1,2,3-cd)Pyrene	750	
53-70-3	Dibenz(a,h)Anthracene	390	J
191-24-2	Benzo(g,h,i)Perylene	870	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB1 X201

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ746

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.27	2800	J
2.		UNKNOWN	5.35	390	BJ
3.	4436753	3-Hexene-2,5-dione	5.45	570	BJN
4.		UNKNOWN	5.82	2200	BJ
5.		UNKNOWN	6.28	650	J
6.		UNKNOWN	6.35	420	J
7.		UNKNOWN	6.68	390	J
8.		UNKNOWN	7.97	800	BJ
9.		UNKNOWN	10.65	370	J
10.		UNKNOWN PCB	12.75	310	J
11.		UNKNOWN	12.88	260	J
12.		UNKNOWN	13.02	500	J
13.		UNKNOWN	13.43	320	J
14.		UNKNOWN	13.75	340	J
15.		UNKNOWN METHYLDIBENZOTHIOPHE	15.17	400	J
16.		UNKNOWN METHYLDIBENZOTHIOPHE	15.33	590	J
17.	57103	Hexadecanoic acid	15.47	1100	JN
18.		UNKNOWN PAH	15.57	410	J
19.		UNKNOWN PAH	15.78	770	J
20.		UNKNOWN PAH	16.13	330	J
21.		UNKNOWN PAH	16.20	510	J
22.		UNKNOWN PAH	16.42	380	J
23.		UNKNOWN	17.07	680	J
24.		UNKNOWN PAH	18.15	430	J
25.		UNKNOWN PAH	18.57	600	J
26.		UNKNOWN PAH	19.42	940	J
27.		UNKNOWN	26.85	5600	J
28.		UNKNOWN	27.78	1300	J
29.		UNKNOWN	28.63	1200	J
30.		UNKNOWN	29.10	1400	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB2 X202

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ747

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 43 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	580	U
111-44-4	bis(2-Chloroethyl)Ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
95-50-1	1,2-Dichlorobenzene	580	U
95-48-7	2-Methylphenol	580	U
108-60-1	2,2'-oxybis(1-Chloropropane)	580	U
106-44-5	4-Methylphenol	580	U
621-64-7	N-Nitroso-Di-n-Propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)Methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	80	J
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-Methylphenol	580	U
91-57-6	2-Methylnaphthalene	83	J
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethyl Phthalate	580	U
208-96-8	Acenaphthylene	150	J
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	260	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB2 X202

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ747

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 43 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	36	J
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
86-73-7	Fluorene	54	J
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-Methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine (1)	160	J
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	660	
120-12-7	Anthracene	490	J
86-74-8	Carbazole	98	J
84-74-2	Di-n-Butylphthalate	33	J
206-44-0	Fluoranthene	3300	
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	580	U
91-94-1	3,3'-Dichlorobenzidine	580	U
56-55-3	Benzo(a)Anthracene	2100	
218-01-9	Chrysene	2700	
117-81-7	bis(2-Ethylhexyl)Phthalate	590	
117-84-0	Di-n-Octyl Phthalate	580	U
205-99-2	Benzo(b)Fluoranthene	2400	
207-08-9	Benzo(k)Fluoranthene	2100	
50-32-8	Benzo(a)Pyrene	2200	
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	
53-70-3	Dibenz(a,h)Anthracene	720	
191-24-2	Benzo(g,h,i)Perylene	1100	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB2 X262

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ747

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 43 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.20	130	J
2.	UNKNOWN	5.25	3700	J
3.	UNKNOWN	5.33	440	BJ
4. 4436753	3-Hexene-2,5-dione	5.45	750	BJN
5.	UNKNOWN	5.82	3000	BJ
6.	UNKNOWN	6.83	340	J
7.	UNKNOWN	6.90	210	J
8.	UNKNOWN	7.40	240	J
9.	UNKNOWN	7.73	140	J
10.	UNKNOWN	7.97	420	BJ
11.	UNKNOWN	8.02	120	J
12.	UNKNOWN	8.43	840	J
13.	UNKNOWN	8.57	440	J
14.	UNKNOWN ALCOHOL	8.72	530	J
15.	UNKNOWN	8.97	170	J
16.	UNKNOWN ALKENE	9.05	730	J
17.	UNKNOWN ALKENE	9.48	450	J
18.	UNKNOWN	9.90	810	J
19.	UNKNOWN	10.23	740	J
20.	UNKNOWN PCB	13.77	930	J
21.	UNKNOWN PAH	18.17	680	J
22.	UNKNOWN PAH	18.28	550	J
23.	UNKNOWN PAH	22.70	2300	J
24.	UNKNOWN PAH	25.05	1200	J
25.	UNKNOWN PAH	27.40	1400	J
26.	UNKNOWN	28.07	610	J

gac 6-22-9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB3 X203

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ841

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7000	U
111-44-4	bis(2-Chloroethyl)Ether	7000	U
95-57-8	2-Chlorophenol	7000	U
541-73-1	1,3-Dichlorobenzene	7000	U
106-46-7	1,4-Dichlorobenzene	7000	U
95-50-1	1,2-Dichlorobenzene	7000	U
95-48-7	2-Methylphenol	7000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7000	U
106-44-5	4-Methylphenol	7000	U
621-64-7	N-Nitroso-Di-n-Propylamine	7000	U
67-72-1	Hexachloroethane	7000	U
98-95-3	Nitrobenzene	7000	U
78-59-1	Isophorone	7000	U
88-75-5	2-Nitrophenol	7000	U
105-67-9	2,4-Dimethylphenol	7000	U
111-91-1	bis(2-Chloroethoxy)Methane	7000	U
120-83-2	2,4-Dichlorophenol	7000	U
120-82-1	1,2,4-Trichlorobenzene	7000	U
91-20-3	Naphthalene	3200	J
106-47-8	4-Chloroaniline	7000	U
87-68-3	Hexachlorobutadiene	7000	U
59-50-7	4-Chloro-3-Methylphenol	7000	U
91-57-6	2-Methylnaphthalene	1300	J
77-47-4	Hexachlorocyclopentadiene	7000	U
88-06-2	2,4,6-Trichlorophenol	7000	U
95-95-4	2,4,5-Trichlorophenol	18000	U
91-58-7	2-Chloronaphthalene	7000	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethyl Phthalate	7000	U
208-96-8	Acenaphthylene	2700	J
606-20-2	2,6-Dinitrotoluene	7000	U
99-09-2	3-Nitroaniline	18000	U
83-32-9	Acenaphthene	32000	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB3 X203

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: - SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ841

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	13000	
121-14-2	2,4-Dinitrotoluene	7000	U
84-66-2	Diethylphthalate	7000	U
7005-72-3	4-Chlorophenyl-phenylether	7000	U
86-73-7	Fluorene	33000	
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-Methylphenol	18000	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	J
101-55-3	4-Bromophenyl-phenylether	7000	U
118-74-1	Hexachlorobenzene	7000	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	150000	E
120-12-7	Anthracene	47000	
86-74-8	Carbazole	1200	J
84-74-2	Di-n-Butylphthalate	7000	U
206-44-0	Fluoranthene	150000	E
129-00-0	Pyrene	120000	E
85-68-7	Butylbenzylphthalate	7000	U
91-94-1	3,3'-Dichlorobenzidine	7000	U
56-55-3	Benzo(a)Anthracene	79000	E
218-01-9	Chrysene	78000	E
117-81-7	bis(2-Ethylhexyl)Phthalate	7000	U
117-84-0	Di-n-Octyl Phthalate	7000	U
205-99-2	Benzo(b)Fluoranthene	38000	
207-08-9	Benzo(k)Fluoranthene	44000	
50-32-8	Benzo(a)Pyrene	44000	
193-39-5	Indeno(1,2,3-cd)Pyrene	30000	
53-70-3	Dibenz(a,h)Anthracene	19000	
191-24-2	Benzo(g,h,i)Perylene	27000	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB3 X203

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ841

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 90120	Naphthalene, 1-methyl-	9.28	3200	JN
2.	UNKNOWN DIMETHYLNAPHTHALENE	10.43	8000	J
3.	UNKNOWN TRIMETHYLNAPHTHALENE	11.78	4200	J
4.	UNKNOWN METHYL-9H-FLUORENE I	13.32	4800	J
5.	UNKNOWN	13.90	7200	J
6.	UNKNOWN PAH	15.15	6500	J
7.	UNKNOWN PAH	15.20	7400	J
8.	UNKNOWN PAH	15.28	3300	J
9.	UNKNOWN PAH	15.40	23000	J
10.	UNKNOWN PAH	15.73	4900	J
11.	UNKNOWN	15.82	3300	J
12.	UNKNOWN	16.07	5800	J
13.	UNKNOWN PAH	16.30	5000	J
14.	UNKNOWN PAH	16.37	4200	J
15.	UNKNOWN PAH	16.57	6400	J
16.	UNKNOWN	16.72	4400	J
17.	UNKNOWN	16.95	2700	J
18.	UNKNOWN PAH	17.53	4400	J
19.	UNKNOWN PAH	17.78	13000	J
20.	UNKNOWN PAH	17.90	11000	J
21.	UNKNOWN PAH	17.98	4500	J
22.	UNKNOWN PAH	18.12	3100	J
23.	UNKNOWN PAH	18.23	3700	J
24.	UNKNOWN BENZO[B]NAPHTHOTHIOP	19.05	5600	J
25.	UNKNOWN PAH	19.80	2800	J
26.	UNKNOWN PAH	20.35	4500	J
27.	UNKNOWN PAH	20.63	3200	J
28.	UNKNOWN PAH	21.83	15000	J
29.	UNKNOWN PAH	22.20	33000	J
30.	UNKNOWN PAH	22.47	16000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB3DL X263

I Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ851

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	28000	U
111-44-4	bis(2-Chloroethyl)Ether	28000	U
95-57-8	2-Chlorophenol	28000	U
541-73-1	1,3-Dichlorobenzene	28000	U
106-46-7	1,4-Dichlorobenzene	28000	U
95-50-1	1,2-Dichlorobenzene	28000	U
95-48-7	2-Methylphenol	28000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	28000	U
106-44-5	4-Methylphenol	28000	U
621-64-7	N-Nitroso-Di-n-Propylamine	28000	U
67-72-1	Hexachloroethane	28000	U
98-95-3	Nitrobenzene	28000	U
78-59-1	Isophorone	28000	U
88-75-5	2-Nitrophenol	28000	U
105-67-9	2,4-Dimethylphenol	28000	U
111-91-1	bis(2-Chloroethoxy)Methane	28000	U
120-83-2	2,4-Dichlorophenol	28000	U
120-82-1	1,2,4-Trichlorobenzene	28000	U
91-20-3	Naphthalene	2600	DJ
106-47-8	4-Chloroaniline	28000	U
87-68-3	Hexachlorobutadiene	28000	U
59-50-7	4-Chloro-3-Methylphenol	28000	U
91-57-6	2-Methylnaphthalene	28000	U
77-47-4	Hexachlorocyclopentadiene	28000	U
88-06-2	2,4,6-Trichlorophenol	28000	U
95-95-4	2,4,5-Trichlorophenol	71000	U
91-58-7	2-Chloronaphthalene	28000	U
88-74-4	2-Nitroaniline	71000	U
131-11-3	Dimethyl Phthalate	28000	U
208-96-8	Acenaphthylene	1700	DJ
606-20-2	2,6-Dinitrotoluene	28000	U
99-09-2	3-Nitroaniline	71000	U
83-32-9	Acenaphthene	27000	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB3DL X203

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ851

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	71000	U
100-02-7	4-Nitrophenol	71000	U
132-64-9	Dibenzofuran	12000	DJ
121-14-2	2,4-Dinitrotoluene	28000	U
84-66-2	Diethylphthalate	28000	U
7005-72-3	4-Chlorophenyl-phenylether	28000	U
86-73-7	Fluorene	31000	D
100-01-6	4-Nitroaniline	71000	U
534-52-1	4,6-Dinitro-2-Methylphenol	71000	U
86-30-6	N-Nitrosodiphenylamine (1)	28000	U
101-55-3	4-Bromophenyl-phenylether	28000	U
118-74-1	Hexachlorobenzene	28000	U
87-86-5	Pentachlorophenol	71000	U
85-01-8	Phenanthrene	110000	D
120-12-7	Anthracene	39000	D
86-74-8	Carbazole	28000	U
84-74-2	Di-n-Butylphthalate	28000	U
206-44-0	Fluoranthene	140000	D
129-00-0	Pyrene	100000	D
85-68-7	Butylbenzylphthalate	28000	U
91-94-1	3,3'-Dichlorobenzidine	28000	U
56-55-3	Benzo(a)Anthracene	59000	D
218-01-9	Chrysene	60000	D
117-81-7	bis(2-Ethylhexyl)Phthalate	28000	U
117-84-0	Di-n-Octyl Phthalate	28000	U
205-99-2	Benzo(b)Fluoranthene	42000	D
207-08-9	Benzo(k)Fluoranthene	33000	D
50-32-8	Benzo(a)Pyrene	41000	D
193-39-5	Indeno(1,2,3-cd)Pyrene	24000	DJ
53-70-3	Dibenz(a,h)Anthracene	12000	DJ
191-24-2	Benzo(g,h,i)Perylene	21000	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB3DL X203

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ851

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN DIMETHYLNAPHTHALENE	10.42	7600	J
2. 132650	Dibenzothiophene	13.88	11000	JN
3.	UNKNOWN PAH	15.12	10000	J
4.	UNKNOWN PAH	15.18	11000	J
5.	UNKNOWN PAH	15.38	30000	J
6.	UNKNOWN PAH	15.72	6800	J
7.	UNKNOWN PAH	16.03	8600	J
8.	UNKNOWN PAH	16.28	7200	J
9.	UNKNOWN	16.68	7200	J
10.	UNKNOWN PAH	17.52	6300	J
11.	UNKNOWN PAH	17.75	21000	J
12.	UNKNOWN PAH	17.87	16000	J
13.	UNKNOWN PAH	17.97	7500	J
14.	UNKNOWN PAH	18.22	5800	J
15.	UNKNOWN BENZO[B]NAPHTHOTHIOP	19.03	7300	J
16.	UNKNOWN PAH	21.80	11000	J
17.	UNKNOWN PAH	22.15	31000	J
18.	UNKNOWN PAH	22.72	7800	J
19.	UNKNOWN PAH	25.33	6900	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4 X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ854

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9400	U
111-44-4	bis(2-Chloroethyl)Ether	9400	U
95-57-8	2-Chlorophenol	9400	U
541-73-1	1,3-Dichlorobenzene	9400	U
106-46-7	1,4-Dichlorobenzene	9400	U
95-50-1	1,2-Dichlorobenzene	9400	U
95-48-7	2-Methylphenol	9400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9400	U
106-44-5	4-Methylphenol	9400	U
621-64-7	N-Nitroso-Di-n-Propylamine	9400	U
67-72-1	Hexachloroethane	9400	U
98-95-3	Nitrobenzene	9400	U
78-59-1	Isophorone	9400	U
88-75-5	2-Nitrophenol	9400	U
105-67-9	2,4-Dimethylphenol	9400	U
111-91-1	bis(2-Chloroethoxy)Methane	9400	U
120-83-2	2,4-Dichlorophenol	9400	U
120-82-1	1,2,4-Trichlorobenzene	9400	U
91-20-3	Naphthalene	5500	J
106-47-8	4-Chloroaniline	9400	U
87-68-3	Hexachlorobutadiene	9400	U
59-50-7	4-Chloro-3-Methylphenol	9400	U
91-57-6	2-Methylnaphthalene	2400	J
77-47-4	Hexachlorocyclopentadiene	9400	U
88-06-2	2,4,6-Trichlorophenol	9400	U
95-95-4	2,4,5-Trichlorophenol	24000	U
91-58-7	2-Chloronaphthalene	9400	U
88-74-4	2-Nitroaniline	24000	U
131-11-3	Dimethyl Phthalate	9400	U
208-96-8	Acenaphthylene	4000	J
606-20-2	2,6-Dinitrotoluene	9400	U
99-09-2	3-Nitroaniline	24000	U
83-32-9	Acenaphthene	51000	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4 X204

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ854

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	24000	U
100-02-7	4-Nitrophenol	24000	U
132-64-9	Dibenzofuran	23000	
121-14-2	2,4-Dinitrotoluene	9400	U
84-66-2	Diethylphthalate	9400	U
7005-72-3	4-Chlorophenyl-phenylether	9400	U
86-73-7	Fluorene	58000	
100-01-6	4-Nitroaniline	24000	U
534-52-1	4,6-Dinitro-2-Methylphenol	24000	U
86-30-6	N-Nitrosodiphenylamine (1)	9400	U
101-55-3	4-Bromophenyl-phenylether	9400	U
118-74-1	Hexachlorobenzene	9400	U
87-86-5	Pentachlorophenol	24000	U
85-01-8	Phenanthrene	160000	E
120-12-7	Anthracene	83000	E
86-74-8	Carbazole	2000	J
84-74-2	Di-n-Butylphthalate	9400	U
206-44-0	Fluoranthene	260000	E
129-00-0	Pyrene	160000	E
85-68-7	Butylbenzylphthalate	9400	U
91-94-1	3,3'-Dichlorobenzidine	9400	U
56-55-3	Benzo(a)Anthracene	110000	E
218-01-9	Chrysene	110000	E
117-81-7	bis(2-Ethylhexyl)Phthalate	9400	U
117-84-0	Di-n-Octyl Phthalate	9400	U
205-99-2	Benzo(b)Fluoranthene	79000	E
207-08-9	Benzo(k)Fluoranthene	55000	
50-32-8	Benzo(a)Pyrene	75000	
193-39-5	Indeno(1,2,3-cd)Pyrene	47000	
53-70-3	Dibenz(a,h)Anthracene	25000	
191-24-2	Benzo(g,h,i)Perylene	37000	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB4 X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ854

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 90120	Naphthalene, 1-methyl-	9.27	5400	JN
2.	UNKNOWN DIMETHYLNAPHTHALENE	10.43	9700	J
3.	UNKNOWN TRIMETHYLNAPHTHALENE	11.75	5100	J
4.	UNKNOWN METHYLDIBENZOFURAN I	12.53	6700	J
5.	UNKNOWN METHYLDIBENZOFURAN I	12.67	6200	J
6. 132650	Dibenzothiophene	13.90	11000	J
7.	UNKNOWN PAH	15.15	11000	J
8.	UNKNOWN PAH	15.20	13000	J
9.	UNKNOWN PAH	15.28	6200	J
10.	UNKNOWN PAH	15.42	35000	J
11.	UNKNOWN PAH	15.73	8800	J
12.	UNKNOWN	15.82	5800	J
13.	UNKNOWN PAH	16.05	9500	J
14.	UNKNOWN PAH	16.30	7800	J
15.	UNKNOWN PAH	16.37	6800	J
16.	UNKNOWN PAH	16.55	6100	J
17.	UNKNOWN	16.72	7900	J
18.	UNKNOWN PAH	16.82	4200	J
19.	UNKNOWN PAH	16.95	4700	J
20.	UNKNOWN PAH	17.22	4500	J
21.	UNKNOWN PAH	17.53	8100	J
22.	UNKNOWN PAH	17.78	21000	J
23.	UNKNOWN PAH	17.90	17000	J
24.	UNKNOWN PAH	17.98	8100	J
25.	UNKNOWN PAH	18.12	5200	J
26.	UNKNOWN PAH	18.18	5500	J
27.	UNKNOWN PAH	18.25	5400	J
28.	UNKNOWN BENZO[B]NAPHTHOTHIOP	19.05	8300	J
29.	UNKNOWN PAH	19.12	4200	J
30.	UNKNOWN PAH	22.18	45000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4DL X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ853

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	38000	U
111-44-4	bis(2-Chloroethyl)Ether	38000	U
95-57-8	2-Chlorophenol	38000	U
541-73-1	1,3-Dichlorobenzene	38000	U
106-46-7	1,4-Dichlorobenzene	38000	U
95-50-1	1,2-Dichlorobenzene	38000	U
95-48-7	2-Methylphenol	38000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	38000	U
106-44-5	4-Methylphenol	38000	U
621-64-7	N-Nitroso-Di-n-Propylamine	38000	U
67-72-1	Hexachloroethane	38000	U
98-95-3	Nitrobenzene	38000	U
78-59-1	Isophorone	38000	U
88-75-5	2-Nitrophenol	38000	U
105-67-9	2,4-Dimethylphenol	38000	U
111-91-1	bis(2-Chloroethoxy)Methane	38000	U
120-83-2	2,4-Dichlorophenol	38000	U
120-82-1	1,2,4-Trichlorobenzene	38000	U
91-20-3	Naphthalene	4400	DJ
106-47-8	4-Chloroaniline	38000	U
87-68-3	Hexachlorobutadiene	38000	U
59-50-7	4-Chloro-3-Methylphenol	38000	U
91-57-6	2-Methylnaphthalene	38000	U
77-47-4	Hexachlorocyclopentadiene	38000	U
88-06-2	2,4,6-Trichlorophenol	38000	U
95-95-4	2,4,5-Trichlorophenol	95000	U
91-58-7	2-Chloronaphthalene	38000	U
88-74-4	2-Nitroaniline	95000	U
131-11-3	Dimethyl Phthalate	38000	U
208-96-8	Acenaphthylene	3500	DJ
606-20-2	2,6-Dinitrotoluene	38000	U
99-09-2	3-Nitroaniline	95000	U
83-32-9	Acenaphthene	46000	D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4DL X262

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ853

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	95000	U
100-02-7	4-Nitrophenol	95000	U
132-64-9	Dibenzofuran	20000	DJ
121-14-2	2,4-Dinitrotoluene	38000	U
84-66-2	Diethylphthalate	38000	U
7005-72-3	4-Chlorophenyl-phenylether	38000	U
86-73-7	Fluorene	52000	D
100-01-6	4-Nitroaniline	95000	U
534-52-1	4,6-Dinitro-2-Methylphenol	95000	U
86-30-6	N-Nitrosodiphenylamine (1)	38000	U
101-55-3	4-Bromophenyl-phenylether	38000	U
118-74-1	Hexachlorobenzene	38000	U
87-86-5	Pentachlorophenol	95000	U
85-01-8	Phenanthrene	170000	D
120-12-7	Anthracene	65000	D
86-74-8	Carbazole	38000	U
84-74-2	Di-n-Butylphthalate	38000	U
206-44-0	Fluoranthene	240000	D
129-00-0	Pyrene	140000	D
85-68-7	Butylbenzylphthalate	38000	U
91-94-1	3,3'-Dichlorobenzidine	2400	DJ
56-55-3	Benzo(a)Anthracene	99000	D
218-01-9	Chrysene	97000	D
117-81-7	bis(2-Ethylhexyl)Phthalate	38000	U
117-84-0	Di-n-Octyl Phthalate	38000	U
205-99-2	Benzo(b)Fluoranthene	83000	D
207-08-9	Benzo(k)Fluoranthene	44000	D
50-32-8	Benzo(a)Pyrene	69000	D
193-39-5	Indeno(1,2,3-cd)Pyrene	34000	DJ
53-70-3	Dibenz(a,h)Anthracene	20000	DJ
191-24-2	Benzo(g,h,i)Perylene	27000	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB4DL X264

L. Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ853

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN DIMETHYLNAPHTHALENE	10.45	13000	J
2. 132650	Dibenzothiophene	13.90	16000	JN
3.	UNKNOWN PAH	15.13	15000	J
4.	UNKNOWN PAH	15.18	17000	J
5.	UNKNOWN PAH	15.27	7900	J
6.	UNKNOWN PAH	15.38	44000	J
7.	UNKNOWN PAH	15.73	11000	J
8.	UNKNOWN	16.05	13000	J
9.	UNKNOWN PAH	16.28	11000	J
10.	UNKNOWN	16.70	9700	J
11.	UNKNOWN PAH	17.75	22000	J
12.	UNKNOWN PAH	17.88	19000	J
13.	UNKNOWN PAH	17.97	10000	J
14.	UNKNOWN BENZO[B]NAPHTHOTHIOP	19.03	11000	J
15.	UNKNOWN PAH	20.33	8300	J
16.	UNKNOWN PAH	21.82	14000	J
17.	UNKNOWN PAH	22.17	33000	J
18.	UNKNOWN PAH	25.35	12000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4DLRE
X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404V

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ859

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	38000	U
111-44-4	bis(2-Chloroethyl)Ether	38000	U
95-57-8	2-Chlorophenol	38000	U
541-73-1	1,3-Dichlorobenzene	38000	U
106-46-7	1,4-Dichlorobenzene	38000	U
95-50-1	1,2-Dichlorobenzene	38000	U
95-48-7	2-Methylphenol	38000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	38000	U
106-44-5	4-Methylphenol	38000	U
621-64-7	N-Nitroso-Di-n-Propylamine	38000	U
67-72-1	Hexachloroethane	38000	U
98-95-3	Nitrobenzene	38000	U
78-59-1	Isophorone	38000	U
88-75-5	2-Nitrophenol	38000	U
105-67-9	2,4-Dimethylphenol	38000	U
111-91-1	bis(2-Chloroethoxy)Methane	38000	U
120-83-2	2,4-Dichlorophenol	38000	U
120-82-1	1,2,4-Trichlorobenzene	38000	U
91-20-3	Naphthalene	5600	DJ
106-47-8	4-Chloroaniline	38000	U
87-68-3	Hexachlorobutadiene	38000	U
59-50-7	4-Chloro-3-Methylphenol	38000	U
91-57-6	2-Methylnaphthalene	2300	DJ
77-47-4	Hexachlorocyclopentadiene	38000	U
88-06-2	2,4,6-Trichlorophenol	38000	U
95-95-4	2,4,5-Trichlorophenol	95000	U
91-58-7	2-Chloronaphthalene	38000	U
88-74-4	2-Nitroaniline	95000	U
131-11-3	Dimethyl Phthalate	38000	U
208-96-8	Acenaphthylene	3500	DJ
606-20-2	2,6-Dinitrotoluene	38000	U
99-09-2	3-Nitroaniline	95000	U
83-32-9	Acenaphthene	53000	D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4DLRE X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404V

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ859

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	95000	U
100-02-7	4-Nitrophenol	95000	U
132-64-9	Dibenzofuran	23000	DJ
121-14-2	2,4-Dinitrotoluene	38000	U
84-66-2	Diethylphthalate	38000	U
7005-72-3	4-Chlorophenyl-phenylether	38000	U
86-73-7	Fluorene	60000	D
100-01-6	4-Nitroaniline	95000	U
534-52-1	4,6-Dinitro-2-Methylphenol	95000	U
86-30-6	N-Nitrosodiphenylamine (1)	38000	U
101-55-3	4-Bromophenyl-phenylether	38000	U
118-74-1	Hexachlorobenzene	38000	U
87-86-5	Pentachlorophenol	95000	U
85-01-8	Phenanthrene	220000	D
120-12-7	Anthracene	84000	D
86-74-8	Carbazole	2400	DJ
84-74-2	Di-n-Butylphthalate	38000	U
206-44-0	Fluoranthene	280000	D
129-00-0	Pyrene	180000	D
85-68-7	Butylbenzylphthalate	38000	U
91-94-1	3,3'-Dichlorobenzidine	38000	U
56-55-3	Benzo(a)Anthracene	110000	D
218-01-9	Chrysene	110000	D
117-81-7	bis(2-Ethylhexyl)Phthalate	38000	U
117-84-0	Di-n-Octyl Phthalate	38000	U
205-99-2	Benzo(b)Fluoranthene	91000	D
207-08-9	Benzo(k)Fluoranthene	52000	D
50-32-8	Benzo(a)Pyrene	79000	D
193-39-5	Indeno(1,2,3-cd)Pyrene	40000	D
53-70-3	Dibenz(a,h)Anthracene	18000	DJ
191-24-2	Benzo(g,h,i)Perylene	30000	DJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB4DLRE
X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404V

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ859

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 65 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN DIMETHYLNAPHTHALENE	10.45	17000	J
2.	UNKNOWN TRIMETHYLNAPHTHALENE	11.75	8900	J
3.	UNKNOWN METHYLDIBENZOFURAN I	12.53	7900	J
4.	UNKNOWN METHYLDIBENZOFURAN I	12.67	9700	J
5. 132650	Dibenzothiophene	13.90	19000	J
6.	UNKNOWN PAH	15.13	19000	J
7.	UNKNOWN PAH	15.20	19000	J
8.	UNKNOWN PAH	15.27	12000	J
9.	UNKNOWN PAH	15.38	52000	J
10.	UNKNOWN PAH	15.73	11000	J
11.	UNKNOWN PAH	15.82	9400	J
12.	UNKNOWN	16.05	15000	J
13.	UNKNOWN PAH	16.12	10000	J
14.	UNKNOWN PAH	16.28	13000	J
15.	UNKNOWN PAH	16.35	12000	J
16.	UNKNOWN PAH	16.55	7700	J
17.	UNKNOWN	16.70	16000	J
18.	UNKNOWN PAH	17.53	9700	J
19.	UNKNOWN PAH	17.77	25000	J
20.	UNKNOWN PAH	17.88	22000	J
21.	UNKNOWN PAH	17.97	12000	J
22.	UNKNOWN BENZO[B]NAPTHOTHIOPH	19.03	11000	J
23.	UNKNOWN PAH	21.82	17000	J
24.	UNKNOWN PAH	22.17	41000	J
25.	UNKNOWN	22.72	13000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB5 X205

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ748

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	670	U
111-44-4	bis(2-Chloroethyl)Ether	670	U
95-57-8	2-Chlorophenol	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
95-48-7	2-Methylphenol	670	U
108-60-1	2,2'-oxybis(1-Chloropropane)	670	U
106-44-5	4-Methylphenol	54	J
621-64-7	N-Nitroso-Di-n-Propylamine	670	U
67-72-1	Hexachloroethane	670	U
98-95-3	Nitrobenzene	670	U
78-59-1	Isophorone	670	U
88-75-5	2-Nitrophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
111-91-1	bis(2-Chloroethoxy)Methane	670	U
120-83-2	2,4-Dichlorophenol	670	U
120-82-1	1,2,4-Trichlorobenzene	670	U
91-20-3	Naphthalene	990	
106-47-8	4-Chloroaniline	670	U
87-68-3	Hexachlorobutadiene	670	U
59-50-7	4-Chloro-3-Methylphenol	670	U
91-57-6	2-Methylnaphthalene	600	J
77-47-4	Hexachlorocyclopentadiene	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	670	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	670	U
208-96-8	Acenaphthylene	1000	
606-20-2	2,6-Dinitrotoluene	670	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	7200	E

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB5 X205

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ748

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	1900	
121-14-2	2,4-Dinitrotoluene	670	U
84-66-2	Diethylphthalate	670	U
7005-72-3	4-Chlorophenyl-phenylether	670	U
86-73-7	Fluorene	6300	E
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-Methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	670	U
101-55-3	4-Bromophenyl-phenylether	670	U
118-74-1	Hexachlorobenzene	670	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	16000	E
120-12-7	Anthracene	6600	E
86-74-8	Carbazole	220	J
84-74-2	Di-n-Butylphthalate	76	J
206-44-0	Fluoranthene	17000	E
129-00-0	Pyrene	11000	E
85-68-7	Butylbenzylphthalate	670	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)Anthracene	17000	E
218-01-9	Chrysene	16000	E
117-81-7	bis(2-Ethylhexyl)Phthalate	48	J
117-84-0	Di-n-Octyl Phthalate	670	U
205-99-2	Benzo(b)Fluoranthene	11000	E
207-08-9	Benzo(k)Fluoranthene	9000	E
50-32-8	Benzo(a)Pyrene	15000	E
193-39-5	Indeno(1,2,3-cd)Pyrene	4500	
53-70-3	Dibenz(a,h)Anthracene	2800	
191-24-2	Benzo(g,h,i)Perylene	5400	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB5 X205

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ748

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.25	4700	J
2. 4436-75-3	3-Hexene-2,5-dione	5.45	1600	BJN
3.	UNKNOWN	5.82	3300	BJ
4.	UNKNOWN	6.32	1700	J
5. 90-12-0	Naphthalene, 1-methyl-	9.62	1400	JN
6.	UNKNOWN DIMETHYLNAPHTHALENE	10.78	3100	J
7.	UNKNOWN DIMETHYLNAPHTHALENE	11.00	840	J
8.	UNKNOWN TRIMETHYLNAPHTHALENE	11.93	810	J
9.	UNKNOWN TRIMETHYLNAPHTHALENE	12.12	2000	J
10.	UNKNOWN TRIMETHYLNAPHTHALENE	12.30	1100	J
11.	UNKNOWN	12.77	1100	J
12.	UNKNOWN PCB	12.83	1100	J
13. 7320-53-8	Dibenzofuran, 4-methyl-	13.03	190	JN
14.	UNKNOWN METHYL-9H-FLUORENE I	13.68	390	J
15.	UNKNOWN METHYL-9H-FLUORENE I	13.77	200	J
16.	UNKNOWN METHYL-9H-FLUORENE I	13.88	200	J
17. 132-65-0	Dibenzothiophene	14.28	220	JN
18.	UNKNOWN METHYLDIBENZOTHIOPHE	15.20	180	J
19.	UNKNOWN PAH	15.55	490	J
20.	UNKNOWN PAH	15.82	830	J
21.	UNKNOWN PAH	16.15	380	J
22.	UNKNOWN	16.23	470	J
23.	UNKNOWN	16.45	420	J
24.	UNKNOWN PAH	16.72	250	J
25.	UNKNOWN PAH	17.97	560	J
26.	UNKNOWN PAH	18.22	1200	J
27.	UNKNOWN PAH	18.33	920	J
28.	UNKNOWN PAH	18.43	570	J
29.	UNKNOWN PAH	18.62	490	J
30.	UNKNOWN PAH	22.73	880	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB5DL X205

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ852

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	6700	U
111-44-4	bis(2-Chloroethyl)Ether	6700	U
95-57-8	2-Chlorophenol	6700	U
541-73-1	1,3-Dichlorobenzene	6700	U
106-46-7	1,4-Dichlorobenzene	6700	U
95-50-1	1,2-Dichlorobenzene	6700	U
95-48-7	2-Methylphenol	6700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6700	U
106-44-5	4-Methylphenol	6700	U
621-64-7	N-Nitroso-Di-n-Propylamine	6700	U
67-72-1	Hexachloroethane	6700	U
98-95-3	Nitrobenzene	6700	U
78-59-1	Isophorone	6700	U
88-75-5	2-Nitrophenol	6700	U
105-67-9	2,4-Dimethylphenol	6700	U
111-91-1	bis(2-Chloroethoxy)Methane	6700	U
120-83-2	2,4-Dichlorophenol	6700	U
120-82-1	1,2,4-Trichlorobenzene	6700	U
91-20-3	Naphthalene	1200	DJ
106-47-8	4-Chloroaniline	6700	U
87-68-3	Hexachlorobutadiene	6700	U
59-50-7	4-Chloro-3-Methylphenol	6700	U
91-57-6	2-Methylnaphthalene	690	DJ
77-47-4	Hexachlorocyclopentadiene	6700	U
88-06-2	2,4,6-Trichlorophenol	6700	U
95-95-4	2,4,5-Trichlorophenol	17000	U
91-58-7	2-Chloronaphthalene	6700	U
88-74-4	2-Nitroaniline	17000	U
131-11-3	Dimethyl Phthalate	6700	U
208-96-8	Acenaphthylene	1000	DJ
606-20-2	2,6-Dinitrotoluene	6700	U
99-09-2	3-Nitroaniline	17000	U
83-32-9	Acenaphthene	10000	D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB5DL X205

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ852

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	17000	U
100-02-7	4-Nitrophenol	17000	U
132-64-9	Dibenzofuran	2000	DJ
121-14-2	2,4-Dinitrotoluene	6700	U
84-66-2	Diethylphthalate	6700	U
7005-72-3	4-Chlorophenyl-phenylether	6700	U
86-73-7	Fluorene	8900	D
100-01-6	4-Nitroaniline	17000	U
534-52-1	4,6-Dinitro-2-Methylphenol	17000	U
86-30-6	N-Nitrosodiphenylamine (1)	6700	U
101-55-3	4-Bromophenyl-phenylether	6700	U
118-74-1	Hexachlorobenzene	6700	U
87-86-5	Pentachlorophenol	17000	U
85-01-8	Phenanthrene	29000	D
120-12-7	Anthracene	10000	D
86-74-8	Carbazole	6700	U
84-74-2	Di-n-Butylphthalate	6700	U
206-44-0	Fluoranthene	38000	D
129-00-0	Pyrene	44000	D
85-68-7	Butylbenzylphthalate	6700	U
91-94-1	3,3'-Dichlorobenzidine	6700	U
56-55-3	Benzo(a)Anthracene	21000	D
218-01-9	Chrysene	23000	D
117-81-7	bis(2-Ethylhexyl)Phthalate	6700	U
117-84-0	Di-n-Octyl Phthalate	6700	U
205-99-2	Benzo(b)Fluoranthene	14000	D
207-08-9	Benzo(k)Fluoranthene	10000	D
50-32-8	Benzo(a)Pyrene	19000	D
193-39-5	Indeno(1,2,3-cd)Pyrene	9000	D
53-70-3	Dibenz(a,h)Anthracene	4200	DJ
191-24-2	Benzo(g,h,i)Perylene	11000	D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB5DL X205

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ852

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 51 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/09/95

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.58	3200	BJ
2. 90-12-0	Naphthalene, 1-methyl-	6.70	3200	JN
3.	UNKNOWN DIMETHYLNAPHTHALENE	10.65	2100	J
4.	UNKNOWN TRIMETHYLNAPHTHALENE	11.75	3700	J
5.	UNKNOWN	12.38	2000	J
6.	UNKNOWN	12.45	2000	J
7.	UNKNOWN METHYL-9H-FLUORENE I	13.30	5400	J
8.	UNKNOWN METHYL-9H-FLUORENE I	13.38	2600	J
9.	UNKNOWN METHYL-9H-FLUORENE I	13.50	3100	J
10.	UNKNOWN METHYLDIBENZOTHIOPHE	14.97	2500	J
11.	UNKNOWN PAH	15.13	9000	J
12.	UNKNOWN PAH	15.20	5400	J
13.	UNKNOWN PAH	15.27	3100	J
14.	UNKNOWN PAH	15.38	17000	J
15.	UNKNOWN PAH	15.73	5500	J
16.	UNKNOWN	15.82	8000	J
17.	UNKNOWN TETRAHYDRONAPHTHALEN	16.05	12000	J
18.	UNKNOWN PAH	16.28	3900	J
19.	UNKNOWN PAH	16.35	4400	J
20.	UNKNOWN	16.70	6400	J
21.	UNKNOWN PAH	17.53	2600	J
22.	UNKNOWN PAH	17.68	2200	J
23.	UNKNOWN PAH	17.77	6200	J
24.	UNKNOWN PAH	17.88	4600	J
25.	UNKNOWN PAH	17.98	3200	J
26.	UNKNOWN PAH	18.12	2400	J
27.	UNKNOWN PAH	18.17	2300	J
28.	UNKNOWN PAH	18.23	3000	J
29.	UNKNOWN BENZO[B]NAPHTHOTHIOP	19.03	2400	J
30.	UNKNOWN PAH	22.17	10000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB6 X206

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ749

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	630	U
111-44-4	bis(2-Chloroethyl)Ether	630	U
95-57-8	2-Chlorophenol	630	U
541-73-1	1,3-Dichlorobenzene	630	U
106-46-7	1,4-Dichlorobenzene	630	U
95-50-1	1,2-Dichlorobenzene	630	U
95-48-7	2-Methylphenol	630	U
108-60-1	2,2'-oxybis(1-Chloropropane)	630	U
106-44-5	4-Methylphenol	630	U
621-64-7	N-Nitroso-Di-n-Propylamine	630	U
67-72-1	Hexachloroethane	630	U
98-95-3	Nitrobenzene	630	U
78-59-1	Isophorone	630	U
88-75-5	2-Nitrophenol	630	U
105-67-9	2,4-Dimethylphenol	630	U
111-91-1	bis(2-Chloroethoxy)Methane	630	U
120-83-2	2,4-Dichlorophenol	630	U
120-82-1	1,2,4-Trichlorobenzene	630	U
91-20-3	Naphthalene	430	J
106-47-8	4-Chloroaniline	630	U
87-68-3	Hexachlorobutadiene	630	U
59-50-7	4-Chloro-3-Methylphenol	630	U
91-57-6	2-Methylnaphthalene	270	J
77-47-4	Hexachlorocyclopentadiene	630	U
88-06-2	2,4,6-Trichlorophenol	630	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	630	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	630	U
208-96-8	Acenaphthylene	390	J
606-20-2	2,6-Dinitrotoluene	630	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	560	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB6 X206

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ749

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	59	J
132-64-9	Dibenzofuran	280	J
121-14-2	2,4-Dinitrotoluene	630	U
84-66-2	Diethylphthalate	630	U
7005-72-3	4-Chlorophenyl-phenylether	630	U
86-73-7	Fluorene	610	J
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	97	J
101-55-3	4-Bromophenyl-phenylether	630	U
118-74-1	Hexachlorobenzene	630	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	3000	
120-12-7	Anthracene	1300	
86-74-8	Carbazole	110	J
84-74-2	Di-n-Butylphthalate	87	J
206-44-0	Fluoranthene	6000	E
129-00-0	Pyrene	3800	
85-68-7	Butylbenzylphthalate	630	U
91-94-1	3,3'-Dichlorobenzidine	630	U
56-55-3	Benzo(a)Anthracene	3500	
218-01-9	Chrysene	4800	
117-81-7	bis(2-Ethylhexyl)Phthalate	1400	
117-84-0	Di-n-Octyl Phthalate	1700	
205-99-2	Benzo(b)Fluoranthene	4500	
207-08-9	Benzo(k)Fluoranthene	4500	
50-32-8	Benzo(a)Pyrene	5000	
193-39-5	Indeno(1,2,3-cd)Pyrene	2600	
53-70-3	Dibenz(a,h)Anthracene	1600	
191-24-2	Benzo(g,h,i)Perylene	2500	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB6 X 266

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ749

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.25	3800	J
2.	UNKNOWN	5.33	480	BJ
3. 4436753	3-Hexene-2,5-dione	5.45	1000	BJN
4.	UNKNOWN	5.53	300	J
5.	UNKNOWN	5.82	2600	BJ
6.	UNKNOWN	6.28	830	J
7.	UNKNOWN	6.33	520	J
8.	UNKNOWN	7.22	130	J
9.	UNKNOWN AROMATIC	7.48	240	J
10.	UNKNOWN	7.82	320	J
11.	UNKNOWN	7.97	960	BJ
12.	UNKNOWN	8.37	270	J
13.	UNKNOWN	8.97	170	J
14.	UNKNOWN	10.23	620	J
15. 57103	Hexadecanoic acid	15.47	650	JN
16.	UNKNOWN PAH	15.53	300	J
17.	UNKNOWN	16.22	730	J
18.	UNKNOWN	17.10	590	J
19.	UNKNOWN	19.45	1000	J
20.	UNKNOWN PAH	22.72	940	J
21.	UNKNOWN PAH	26.18	530	J
22.	UNKNOWN	27.42	2000	J
23.	UNKNOWN	27.82	1100	J
24.	UNKNOWN	28.07	1000	J
25.	UNKNOWN	29.12	1100	J

JAC 6-22-95

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB6DL X206

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WJ801

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)Ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	N-Nitroso-Di-n-Propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
111-91-1	bis(2-Chloroethoxy)Methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	340	DJ
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-Methylphenol	1300	U
91-57-6	2-Methylnaphthalene	230	DJ
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	3200	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethyl Phthalate	1300	U
208-96-8	Acenaphthylene	310	DJ
606-20-2	2,6-Dinitrotoluene	1300	U
99-09-2	3-Nitroaniline	3200	U
83-32-9	Acenaphthene	470	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB6DL X706

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WJ801

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3200	U
100-02-7	4-Nitrophenol	3200	U
132-64-9	Dibenzofuran	200	DJ
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
86-73-7	Fluorene	390	DJ
100-01-6	4-Nitroaniline	3200	U
534-52-1	4,6-Dinitro-2-Methylphenol	3200	U
86-30-6	N-Nitrosodiphenylamine (1)	72	DJ
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	3200	U
85-01-8	Phenanthrene	2800	D
120-12-7	Anthracene	1300	D
86-74-8	Carbazole	220	DJ
84-74-2	Di-n-Butylphthalate	150	DJ
206-44-0	Fluoranthene	5000	D
129-00-0	Pyrene	6700	D
85-68-7	Butylbenzylphthalate	110	DJ
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)Anthracene	3600	D
218-01-9	Chrysene	4400	D
117-81-7	bis(2-Ethylhexyl)Phthalate	1900	D
117-84-0	Di-n-Octyl Phthalate	1300	U
205-99-2	Benzo(b)Fluoranthene	2400	D
207-08-9	Benzo(k)Fluoranthene	3100	D
50-32-8	Benzo(a)Pyrene	3600	D
193-39-5	Indeno(1,2,3-cd)Pyrene	2700	D
53-70-3	Dibenz(a,h)Anthracene	1700	D
191-24-2	Benzo(g,h,i)Perylene	2900	D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB6DL X206

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: WJ801

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 48 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4436753	3-Hexene-2,5-dione	5.30	2000	BJN
2.	UNKNOWN	5.65	5700	BJ
3.	UNKNOWN	6.15	3000	J
4.	UNKNOWN	7.75	840	J
5.	UNKNOWN	8.30	310	J
6.	UNKNOWN	8.62	440	J
7.	UNKNOWN	8.82	500	J
8.	UNKNOWN	9.43	330	J
9.	UNKNOWN	10.00	950	J
10.	UNKNOWN	11.38	710	J
11.	UNKNOWN	13.18	620	J
12.	UNKNOWN	14.12	670	J
13.	UNKNOWN ACID	15.22	1700	J
14.	UNKNOWN PAH	15.30	830	J
15.	UNKNOWN PAH	15.48	2200	J
16.	UNKNOWN PAH	15.83	1100	J
17.	UNKNOWN	15.92	1600	J
18.	UNKNOWN	16.15	1500	J
19.	UNKNOWN	16.80	1700	J
20.	UNKNOWN PAH	17.32	870	J
21.	UNKNOWN PAH	17.87	1700	J
22.	UNKNOWN PAH	18.08	1300	J
23.	UNKNOWN PAH	18.33	1400	J
24.	UNKNOWN	19.15	6200	J
25.	UNKNOWN	19.47	2000	J
26.	UNKNOWN PAH	20.45	830	J
27.	UNKNOWN	20.60	1400	J
28.	UNKNOWN PAH	22.30	2500	J
29.	UNKNOWN	26.72	3400	J
30.	UNKNOWN	27.05	3600	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB8 X204

L Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014407

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ750

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 59 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	800	U
111-44-4	bis(2-Chloroethyl)Ether	800	U
95-57-8	2-Chlorophenol	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
95-50-1	1,2-Dichlorobenzene	800	U
95-48-7	2-Methylphenol	800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	800	U
106-44-5	4-Methylphenol	800	U
621-64-7	N-Nitroso-Di-n-Propylamine	800	U
67-72-1	Hexachloroethane	800	U
98-95-3	Nitrobenzene	800	U
78-59-1	Isophorone	800	U
88-75-5	2-Nitrophenol	800	U
105-67-9	2,4-Dimethylphenol	800	U
111-91-1	bis(2-Chloroethoxy)Methane	800	U
120-83-2	2,4-Dichlorophenol	800	U
120-82-1	1,2,4-Trichlorobenzene	800	U
91-20-3	Naphthalene	100	J
106-47-8	4-Chloroaniline	800	U
87-68-3	Hexachlorobutadiene	800	U
59-50-7	4-Chloro-3-Methylphenol	800	U
91-57-6	2-Methylnaphthalene	64	J
77-47-4	Hexachlorocyclopentadiene	800	U
88-06-2	2,4,6-Trichlorophenol	800	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	800	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	800	U
208-96-8	Acenaphthylene	120	J
606-20-2	2,6-Dinitrotoluene	800	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	200	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB8 X269

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014407

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ750

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 59 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	800	U
84-66-2	Diethylphthalate	800	U
7005-72-3	4-Chlorophenyl-phenylether	800	U
86-73-7	Fluorene	170	J
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	800	U
101-55-3	4-Bromophenyl-phenylether	800	U
118-74-1	Hexachlorobenzene	800	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	440	J
86-74-8	Carbazole	470	J
84-74-2	Di-n-Butylphthalate	90	J
206-44-0	Fluoranthene	4500	
129-00-0	Pyrene	3800	
85-68-7	Butylbenzylphthalate	800	U
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)Anthracene	2100	
218-01-9	Chrysene	3200	
117-81-7	bis(2-Ethylhexyl)Phthalate	520	J
117-84-0	Di-n-Octyl Phthalate	800	U
205-99-2	Benzo(b)Fluoranthene	3600	
207-08-9	Benzo(k)Fluoranthene	2300	
50-32-8	Benzo(a)Pyrene	2800	
193-39-5	Indeno(1,2,3-cd)Pyrene	1800	
53-70-3	Dibenz(a,h)Anthracene	1100	
191-24-2	Benzo(g,h,i)Perylene	2300	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EABB8 X209

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014407

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ750

Level: (low/med) LOW Date Received: 05/25/95

% Moisture: 59 decanted: (Y/N) N Date Extracted: 05/26/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/04/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.27	6500	J
2.	UNKNOWN	5.35	970	BJ
3. 4436753	3-Hexene-2,5-dione	5.45	1300	BJN
4.	UNKNOWN	6.03	340	J
5.	UNKNOWN	6.33	1700	J
6.	UNKNOWN	6.50	2400	J
7.	UNKNOWN AROMATIC	7.48	210	J
8.	UNKNOWN	7.97	980	BJ
9.	UNKNOWN ACID	9.87	250	J
10.	UNKNOWN	12.08	180	J
11.	UNKNOWN	12.23	170	J
12.	UNKNOWN AROMATIC	12.98	410	J
13.	UNKNOWN	13.35	720	J
14.	UNKNOWN AROMATIC	13.43	1400	J
15.	UNKNOWN	13.50	1100	J
16.	UNKNOWN	13.57	930	J
17.	UNKNOWN	13.63	510	J
18.	UNKNOWN	13.82	630	J
19.	UNKNOWN AROMATIC	13.87	380	J
20. 57103	Hexadecanoic acid	15.47	400	JN
21.	UNKNOWN PAH	15.78	770	J
22.	UNKNOWN	16.22	1700	J
23.	UNKNOWN	19.45	1400	J
24.	UNKNOWN	19.75	820	J
25.	UNKNOWN	24.23	1800	J
26.	UNKNOWN	25.08	1800	J
27.	UNKNOWN	26.22	1500	J
28.	UNKNOWN	26.37	900	J
29.	UNKNOWN	27.18	1400	J
30.	UNKNOWN	27.45	1200	J

JAC 6-22-95

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

GC Column(1): RTX35 ID: 0.53(mm) GC Column(2): RTX5 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK1	88	90	91	92			0
02	EABA1	91	95	99	118			0
03	EABA2	79	75	202*	82			1
04	EABA3	83	72	292D	102			0
05	EABA4	83	98	89	91			0
06	EABA5	73	67	115	76			0
07	EABA6	80	70	122	69			0
08	EABA7	90	83	118	92			0
09	EABA8	79	100	216D	88			0
10	EABA9	85	80	118	94			0
11	EABB1	84	96	170D	69			0
12	EABB2	74	79	0D	47			0
13	EABB3	74	120	0D	0D			0
14	EABB4	100	91	0D	0D			0
15	EABB5	76	81	0D	75			0
16	EABB6	88	89	149	69			0
17	EABB8	92	124	340D	69			0
18	EABC1	80	91	103	70			0
19	EABC2	88	86	107	89			0
20	EABB4MS	98	120	0D	0D			0
21	EABB4MSD	96	118	0D	0D			0

QC LIMITS

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

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

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix Spike - EPA Sample No.: EABB4

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	47.600	0	25.8	54	46-127
Heptachlor	47.600	0	39.6	83	35-130
Aldrin	47.600	5.76	42.2	77	34-132
Dieldrin	95.100	0	63.3	67	31-134
Endrin	95.100	0	120	126	42-139
4,4'-DDT	95.100	0	0	0 *	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	47.600	26.0	55	2	50	46-127
Heptachlor	47.600	40.3	85	2	31	35-130
Aldrin	47.600	42.5	77	0	43	34-132
Dieldrin	95.100	85.2	90	29	38	31-134
Endrin	95.100	200	210 *	50 *	45	42-139
4,4'-DDT	95.100	0	0 *	0	50	23-134

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

* Values outside of QC limits

RPD: 1 out of 6 outside limits
Spike Recovery: 3 out of 12 outside limits

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Lab Sample ID: B5B0025201 Lab File ID:

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

Sulfur Cleanup: (Y/N) Y Date Extracted: 05/26/95

Date Analyzed (1): 06/05/95 Date Analyzed (2): 06/05/95

Time Analyzed (1): 2317 Time Analyzed (2): 2317

Instrument ID (1): GC-31 Instrument ID (2): GC-32

GC Column (1): RTX35 ID: 0.53 (mm) GC Column (2): RTX5 ID: 0.53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	EABA1	B5014410	06/06/95	06/06/95
02	EABA2	B5014411	06/07/95	06/07/95
03	EABA3	B5014412	06/07/95	06/07/95
04	EABA4	B5014413	06/06/95	06/06/95
05	EABA5	B5014414	06/07/95	06/07/95
06	EABA6	B5014415	06/07/95	06/07/95
07	EABA7	B5014416	06/07/95	06/07/95
08	EABA8	B5014417	06/06/95	06/06/95
09	EABA9	B5014418	06/06/95	06/06/95
10	EABB1	B5014401	06/06/95	06/06/95
11	EABB2	B5014402	06/06/95	06/06/95
12	EABB3	B5014403	06/07/95	06/07/95
13	EABB4	B5014404	06/06/95	06/06/95
14	EABB5	B5014405	06/06/95	06/06/95
15	EABB6	B5014406	06/06/95	06/06/95
16	EABB8	B5014407	06/06/95	06/06/95
17	EABC1	B5014408	06/06/95	06/06/95
18	EABC2	B5014409	06/06/95	06/06/95
19	EABB4MS	B5014404MS	06/06/95	06/06/95
20	EABB4MSD	B5014404SD	06/06/95	06/06/95

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK1

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5B0025201

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

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

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/05/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

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

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA1 X101

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014410

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

% Moisture: 25 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 2.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.5	U
319-85-7	beta-BHC	4.5	U
319-86-8	delta-BHC	4.5	U
58-89-9	gamma-BHC (Lindane)	4.5	U
76-44-8	Heptachlor	4.5	U
309-00-2	Aldrin	2.5	JP
1024-57-3	Heptachlor epoxide	3.0	JP
959-98-8	Endosulfan I	4.5	U
60-57-1	Dieldrin	8.8	U
72-55-9	4,4'-DDE	77	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	8.8	U
72-54-8	4,4'-DDD	2.3	JP
1031-07-8	Endosulfan sulfate	6.2	JP
50-29-3	4,4'-DDT	55	
72-43-5	Methoxychlor	45	U
53494-70-5	Endrin ketone	2.3	JP
7421-93-4	Endrin aldehyde	8.8	U
5103-71-9	alpha-Chlordane	1.7	JP
5103-74-2	gamma-Chlordane	0.52	JP
8001-35-2	Toxaphene	450	U
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	88	U
53469-21-9	Aroclor-1242	88	U
12672-29-6	Aroclor-1248	88	U
11097-69-1	Aroclor-1254	88	U
11096-82-5	Aroclor-1260	88	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA2 X162

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014411

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

% Moisture: 26 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/07/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	0.55	JP
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	20	P
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	6.5	
72-55-9	4,4'-DDE	14	P
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	7.7	P
50-29-3	4,4'-DDT	19	P
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	7.7	P
7421-93-4	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	45	U
11096-82-5	Aroclor-1260	45	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA3 X103

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014412

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

% Moisture: 31 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/07/95

Injection Volume: 1.00 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.9	U
319-85-7	beta-BHC	4.9	U
319-86-8	delta-BHC	4.9	U
58-89-9	gamma-BHC (Lindane)	4.9	U
76-44-8	Heptachlor	4.9	U
309-00-2	Aldrin	4.9	U
1024-57-3	Heptachlor epoxide	5.3	P
959-98-8	Endosulfan I	4.9	U
60-57-1	Dieldrin	9.6	U
72-55-9	4,4'-DDE	25	P
72-20-8	Endrin	9.6	U
33213-65-9	Endosulfan II	5.8	JP
72-54-8	4,4'-DDD	9.6	U
1031-07-8	Endosulfan sulfate	20	P
50-29-3	4,4'-DDT	12	P
72-43-5	Methoxychlor	49	U
53494-70-5	Endrin ketone	4.1	JP
7421-93-4	Endrin aldehyde	9.6	U
5103-71-9	alpha-Chlordane	31	P
5103-74-2	gamma-Chlordane	2.5	JP
8001-35-2	Toxaphene	490	U
12674-11-2	Aroclor-1016	96	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	96	U
53469-21-9	Aroclor-1242	96	U
12672-29-6	Aroclor-1248	96	U
11097-69-1	Aroclor-1254	96	U
11096-82-5	Aroclor-1260	96	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA4 X104

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014413

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

% Moisture: 29 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 8.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	5.2	JP
1024-57-3	Heptachlor epoxide	130	
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	37	U
72-55-9	4,4'-DDE	11	JP
72-20-8	Endrin	22	JP
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	66	
72-43-5	Methoxychlor	49	JP
53494-70-5	Endrin ketone	32	J
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	17	JP
5103-74-2	gamma-Chlordane	23	P
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	760	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	1500	P

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA5 X105

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014414

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

% Moisture: 31 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/07/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	0.72	JP
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	17	P
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.8	U
72-55-9	4,4'-DDE	7.1	P
72-20-8	Endrin	5.1	P
33213-65-9	Endosulfan II	4.8	U
72-54-8	4,4'-DDD	4.8	U
1031-07-8	Endosulfan sulfate	5.7	P
50-29-3	4,4'-DDT	3.8	JP
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	6.2	P
7421-93-4	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	2.0	JP
5103-74-2	gamma-Chlordane	0.63	JP
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	48	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA6 X166

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014415

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

% Moisture: 32 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/07/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	1.0	JP
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	15	P
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	4.9	U
72-55-9	4,4'-DDE	7.4	P
72-20-8	Endrin	6.0	P
33213-65-9	Endosulfan II	4.9	U
72-54-8	4,4'-DDD	4.9	U
1031-07-8	Endosulfan sulfate	7.9	P
50-29-3	4,4'-DDT	7.4	P
72-43-5	Methoxychlor	25	U
53494-70-5	Endrin ketone	6.1	P
7421-93-4	Endrin aldehyde	4.9	U
5103-71-9	alpha-Chlordane	2.0	JP
5103-74-2	gamma-Chlordane	1.3	JP
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	49	U
11104-28-2	Aroclor-1221	99	U
11141-16-5	Aroclor-1232	49	U
53469-21-9	Aroclor-1242	49	U
12672-29-6	Aroclor-1248	49	U
11097-69-1	Aroclor-1254	49	U
11096-82-5	Aroclor-1260	49	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA7 X107

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014416

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

% Moisture: 41 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/07/95

Injection Volume: 1.00 (uL) Dilution Factor: 4.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	12	U
319-85-7	beta-BHC	12	U
319-86-8	delta-BHC	12	U
58-89-9	gamma-BHC (Lindane)	12	U
76-44-8	Heptachlor	12	U
309-00-2	Aldrin	12	U
1024-57-3	Heptachlor epoxide	28	P
959-98-8	Endosulfan I	12	U
60-57-1	Dieldrin	13	J
72-55-9	4,4'-DDE	64	
72-20-8	Endrin	5.0	JP
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	5.0	JP
1031-07-8	Endosulfan sulfate	10	JP
50-29-3	4,4'-DDT	110	P
72-43-5	Methoxychlor	120	U
53494-70-5	Endrin ketone	6.5	JP
7421-93-4	Endrin aldehyde	22	U
5103-71-9	alpha-Chlordane	12	U
5103-74-2	gamma-Chlordane	6.5	JP
8001-35-2	Toxaphene	1200	U
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	450	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	220	U
11096-82-5	Aroclor-1260	220	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA8 X108

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014417

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

% Moisture: 29 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 8.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	48	P
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	3.6	JP
72-55-9	4,4'-DDE	160	
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	12	JP
1031-07-8	Endosulfan sulfate	6.7	JP
50-29-3	4,4'-DDT	190	
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	5.1	JP
7421-93-4	Endrin aldehyde	37	U
5103-71-9	alpha-Chlordane	56	
5103-74-2	gamma-Chlordane	44	
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	370	U
11104-28-2	Aroclor-1221	760	U
11141-16-5	Aroclor-1232	370	U
53469-21-9	Aroclor-1242	370	U
12672-29-6	Aroclor-1248	370	U
11097-69-1	Aroclor-1254	370	U
11096-82-5	Aroclor-1260	370	JP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABA9 X169

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014418

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

% Moisture: 25 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	3.5	
1024-57-3	Heptachlor epoxide	6.5	
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	6.3	
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	1.5	JP
1031-07-8	Endosulfan sulfate	3.2	JP
50-29-3	4,4'-DDT	9.6	P
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	2.4	JP
7421-93-4	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	1.8	JP
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	44	U
11096-82-5	Aroclor-1260	44	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB1 X261

1 Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014401

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

% Moisture: 26 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 8.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	18	U
319-85-7	beta-BHC	18	U
319-86-8	delta-BHC	3.8	JP
58-89-9	gamma-BHC (Lindane)	18	U
76-44-8	Heptachlor	18	U
309-00-2	Aldrin	18	U
1024-57-3	Heptachlor epoxide	47	P
959-98-8	Endosulfan I	18	U
60-57-1	Dieldrin	5.5	JP
72-55-9	4,4'-DDE	6.7	JP
72-20-8	Endrin	36	U
33213-65-9	Endosulfan II	36	U
72-54-8	4,4'-DDD	36	U
1031-07-8	Endosulfan sulfate	36	U
50-29-3	4,4'-DDT	36	U
72-43-5	Methoxychlor	180	U
53494-70-5	Endrin ketone	8.4	JP
7421-93-4	Endrin aldehyde	36	U
5103-71-9	alpha-Chlordane	18	U
5103-74-2	gamma-Chlordane	4.8	JP
8001-35-2	Toxaphene	1800	U
12674-11-2	Aroclor-1016	360	U
11104-28-2	Aroclor-1221	720	U
11141-16-5	Aroclor-1232	360	U
53469-21-9	Aroclor-1242	360	U
12672-29-6	Aroclor-1248	360	U
11097-69-1	Aroclor-1254	360	U
11096-82-5	Aroclor-1260	360	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB2 X202

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014402

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

% Moisture: 43 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 8.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	8.5	JP
1024-57-3	Heptachlor epoxide	23	JP
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	46	U
72-55-9	4,4'-DDE	28	J
72-20-8	Endrin	46	U
33213-65-9	Endosulfan II	46	U
72-54-8	4,4'-DDD	12	JP
1031-07-8	Endosulfan sulfate	46	U
50-29-3	4,4'-DDT	46	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	67	P
7421-93-4	Endrin aldehyde	46	U
5103-71-9	alpha-Chlordane	17	JP
5103-74-2	gamma-Chlordane	24	U
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	940	U
11141-16-5	Aroclor-1232	460	U
53469-21-9	Aroclor-1242	460	U
12672-29-6	Aroclor-1248	460	U
11097-69-1	Aroclor-1254	460	U
11096-82-5	Aroclor-1260	460	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB3 X203

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014403

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

% Moisture: 53 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/07/95

Injection Volume: 1.00 (uL) Dilution Factor: 8.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	29	U
319-85-7	beta-BHC	29	U
319-86-8	delta-BHC	29	U
58-89-9	gamma-BHC (Lindane)	29	U
76-44-8	Heptachlor	29	U
309-00-2	Aldrin	6.3	JP
1024-57-3	Heptachlor epoxide	38	P
959-98-8	Endosulfan I	29	U
60-57-1	Dieldrin	56	U
72-55-9	4,4'-DDE	56	U
72-20-8	Endrin	56	U
33213-65-9	Endosulfan II	56	U
72-54-8	4,4'-DDD	16	JP
1031-07-8	Endosulfan sulfate	22	JP
50-29-3	4,4'-DDT	20	J
72-43-5	Methoxychlor	290	U
53494-70-5	Endrin ketone	170	P
7421-93-4	Endrin aldehyde	56	U
5103-71-9	alpha-Chlordane	29	U
5103-74-2	gamma-Chlordane	29	U
8001-35-2	Toxaphene	2900	U
12674-11-2	Aroclor-1016	560	U
11104-28-2	Aroclor-1221	1100	U
11141-16-5	Aroclor-1232	560	U
53469-21-9	Aroclor-1242	560	U
12672-29-6	Aroclor-1248	560	U
11097-69-1	Aroclor-1254	560	U
11096-82-5	Aroclor-1260	560	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB4 X204

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014404

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

% Moisture: 65 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	2.8	JP
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	5.8	JP
1024-57-3	Heptachlor epoxide	39	P
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	47	U
72-55-9	4,4'-DDE	6.9	JP
72-20-8	Endrin	47	U
33213-65-9	Endosulfan II	47	U
72-54-8	4,4'-DDD	31	JP
1031-07-8	Endosulfan sulfate	47	U
50-29-3	4,4'-DDT	47	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	210	P
7421-93-4	Endrin aldehyde	47	U
5103-71-9	alpha-Chlordane	4.8	JP
5103-74-2	gamma-Chlordane	24	U
8001-35-2	Toxaphene	2400	U
12674-11-2	Aroclor-1016	470	U
11104-28-2	Aroclor-1221	960	U
11141-16-5	Aroclor-1232	470	U
53469-21-9	Aroclor-1242	470	U
12672-29-6	Aroclor-1248	470	U
11097-69-1	Aroclor-1254	470	U
11096-82-5	Aroclor-1260	470	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB5 X205

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014405

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

% Moisture: 51 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	6.9	U
319-85-7	beta-BHC	4.5	JP
319-86-8	delta-BHC	6.9	U
58-89-9	gamma-BHC (Lindane)	6.9	U
76-44-8	Heptachlor	6.9	U
309-00-2	Aldrin	4.3	JP
1024-57-3	Heptachlor epoxide	25	
959-98-8	Endosulfan I	6.9	U
60-57-1	Dieldrin	13	U
72-55-9	4,4'-DDE	2.0	JP
72-20-8	Endrin	14	P
33213-65-9	Endosulfan II	13	U
72-54-8	4,4'-DDD	38	P
1031-07-8	Endosulfan sulfate	13	U
50-29-3	4,4'-DDT	13	U
72-43-5	Methoxychlor	69	U
53494-70-5	Endrin ketone	110	
7421-93-4	Endrin aldehyde	23	P
5103-71-9	alpha-Chlordane	6.9	U
5103-74-2	gamma-Chlordane	0.72	JP
8001-35-2	Toxaphene	690	U
12674-11-2	Aroclor-1016	130	U
11104-28-2	Aroclor-1221	270	U
11141-16-5	Aroclor-1232	130	U
53469-21-9	Aroclor-1242	130	U
12672-29-6	Aroclor-1248	130	U
11097-69-1	Aroclor-1254	130	U
11096-82-5	Aroclor-1260	130	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB6 X 206

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014406

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

% Moisture: 48 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	16	U
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	8.8	JP
1024-57-3	Heptachlor epoxide	20	
959-98-8	Endosulfan I	16	U
60-57-1	Dieldrin	32	U
72-55-9	4,4'-DDE	10	JP
72-20-8	Endrin	32	U
33213-65-9	Endosulfan II	32	U
72-54-8	4,4'-DDD	11	J
1031-07-8	Endosulfan sulfate	32	U
50-29-3	4,4'-DDT	32	U
72-43-5	Methoxychlor	160	U
53494-70-5	Endrin ketone	24	J
7421-93-4	Endrin aldehyde	32	U
5103-71-9	alpha-Chlordane	5.3	JP
5103-74-2	gamma-Chlordane	4.7	JP
8001-35-2	Toxaphene	1600	U
12674-11-2	Aroclor-1016	320	U
11104-28-2	Aroclor-1221	640	U
11141-16-5	Aroclor-1232	320	U
53469-21-9	Aroclor-1242	320	U
12672-29-6	Aroclor-1248	320	U
11097-69-1	Aroclor-1254	320	U
11096-82-5	Aroclor-1260	320	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABB8 X208

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014407

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

% Moisture: 59 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 8.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	33	U
319-85-7	beta-BHC	33	U
319-86-8	delta-BHC	33	U
58-89-9	gamma-BHC (Lindane)	33	U
76-44-8	Heptachlor	33	U
309-00-2	Aldrin	64	P
1024-57-3	Heptachlor epoxide	130	
959-98-8	Endosulfan I	33	U
60-57-1	Dieldrin	32	JP
72-55-9	4,4'-DDE	72	P
72-20-8	Endrin	64	U
33213-65-9	Endosulfan II	64	U
72-54-8	4,4'-DDD	30	J
1031-07-8	Endosulfan sulfate	64	U
50-29-3	4,4'-DDT	64	U
72-43-5	Methoxychlor	330	U
53494-70-5	Endrin ketone	34	JP
7421-93-4	Endrin aldehyde	64	U
5103-71-9	alpha-Chlordane	11	JP
5103-74-2	gamma-Chlordane	42	P
8001-35-2	Toxaphene	3300	U
12674-11-2	Aroclor-1016	640	U
11104-28-2	Aroclor-1221	1300	U
11141-16-5	Aroclor-1232	640	U
53469-21-9	Aroclor-1242	640	U
12672-29-6	Aroclor-1248	3700	
11097-69-1	Aroclor-1254	640	U
11096-82-5	Aroclor-1260	640	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC1 X501

Lab Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: . SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014408

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

% Moisture: 28 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	0.31	JP
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	4.2	
1024-57-3	Heptachlor epoxide	4.6	P
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	7.1	P
72-55-9	4,4'-DDE	1.9	JP
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	3.1	J
1031-07-8	Endosulfan sulfate	0.55	JP
50-29-3	4,4'-DDT	11	P
72-43-5	Methoxychlor	5.9	JP
53494-70-5	Endrin ketone	4.5	J
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	9.1	P
5103-74-2	gamma-Chlordane	8.6	
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	220	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EABC2 X502

Name: RECRA ENVIRON Contract: 68D50010

Lab Code: RECMD Case No.: 23616 SAS No.: SDG No.: EABA1

Matrix: (soil/water) SOIL Lab Sample ID: B5014409

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

% Moisture: 16 decanted: (Y/N) N Date Received: 05/25/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/26/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/06/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.2	P
1024-57-3	Heptachlor epoxide	3.6	P
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	1.0	JP
72-20-8	Endrin	0.53	JP
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	0.70	JP
50-29-3	4,4'-DDT	0.71	JP
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	1.4	JP
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	0.99	JP
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

U.S. EPA - CLP

X101

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZN54

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564602

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _75.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	13100			P
7440-36-0	Antimony_	0.59	B	N	P
7440-38-2	Arsenic__	13.0			P
7440-39-3	Barium___	156			P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium__	3.4			P
7440-70-2	Calcium__	26000			P
7440-47-3	Chromium_	19.7			P
7440-48-4	Cobalt___	8.6	B		P
7440-50-8	Copper___	30.5			P
7439-89-6	Iron____	26400			P
7439-92-1	Lead____	83.7			P
7439-95-4	Magnesium	13200			P
7439-96-5	Manganese	611			P
7439-97-6	Mercury__	0.11	U		CV
7440-02-0	Nickel___	24.8			P
7440-09-7	Potassium	3900			P
7782-49-2	Selenium_	0.87	B		P
7440-22-4	Silver___	0.25	U		P
7440-23-5	Sodium___	230	B		P
7440-28-0	Thallium_	0.76	U		P
7440-62-2	Vanadium_	28.6			P
7440-66-6	Zinc____	337			P
	Cyanide__	0.55	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X102

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZN55

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564603

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _74.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	16600			P_
7440-36-0	Antimony_	1.4	B	N	P_
7440-38-2	Arsenic__	15.1			P_
7440-39-3	Barium___	154			P_
7440-41-7	Beryllium	1.3			P_
7440-43-9	Cadmium__	2.1			P_
7440-70-2	Calcium__	45400			P_
7440-47-3	Chromium_	26.0			P_
7440-48-4	Cobalt___	9.4	B		P_
7440-50-8	Copper___	52.2			P_
7439-89-6	Iron_____	40000			P_
7439-92-1	Lead_____	299			P_
7439-95-4	Magnesium	26500			P_
7439-96-5	Manganese	925			P_
7439-97-6	Mercury__	0.81			CV
7440-02-0	Nickel___	23.3			P_
7440-09-7	Potassium	5480			P_
7782-49-2	Selenium_	0.83	B		P_
7440-22-4	Silver___	0.37	B		P_
7440-23-5	Sodium___	126	B		P_
7440-28-0	Thallium_	0.79	U		P_
7440-62-2	Vanadium_	29.6			P_
7440-66-6	Zinc_____	366			P_
	Cyanide__	0.56	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X103

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZN56

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564604

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _71.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	10500			P
7440-36-0	Antimony_	2.2	B	N	P
7440-38-2	Arsenic__	32.0			P
7440-39-3	Barium___	273			P
7440-41-7	Beryllium	2.5			P
7440-43-9	Cadmium__	5.9			P
7440-70-2	Calcium__	49600			P
7440-47-3	Chromium_	22.0			P
7440-48-4	Cobalt___	9.3	B		P
7440-50-8	Copper___	80.1			P
7439-89-6	Iron____	52100			P
7439-92-1	Lead____	561			P
7439-95-4	Magnesium	25900			P
7439-96-5	Manganese	838			P
7439-97-6	Mercury__	0.61			CV
7440-02-0	Nickel___	28.2			P
7440-09-7	Potassium	2810			P
7782-49-2	Selenium_	1.1			P
7440-22-4	Silver___	0.45	B		P
7440-23-5	Sodium___	354	B		P
7440-28-0	Thallium_	0.63	U		P
7440-62-2	Vanadium_	28.5			P
7440-66-6	Zinc____	1100			P
	Cyanide__	0.62	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

X104

EPA SAMPLE NO.

MEZP78

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564611

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _73.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	13300			P
7440-36-0	Antimony_	0.53	U	N	P
7440-38-2	Arsenic__	8.4			P
7440-39-3	Barium___	153			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium__	0.93	B		P
7440-70-2	Calcium__	49100			P
7440-47-3	Chromium_	16.9			P
7440-48-4	Cobalt___	6.8	B		P
7440-50-8	Copper___	28.7			P
7439-89-6	Iron_____	16300			P
7439-92-1	Lead_____	135			P
7439-95-4	Magnesium	17300			P
7439-96-5	Manganese	967			P
7439-97-6	Mercury__	0.12	U		CV
7440-02-0	Nickel___	15.8			P
7440-09-7	Potassium	2580			P
7782-49-2	Selenium_	1.1	B		P
7440-22-4	Silver___	0.27	U		P
7440-23-5	Sodium___	246	B		P
7440-28-0	Thallium_	0.80	U		P
7440-62-2	Vanadium_	22.7			P
7440-66-6	Zinc_____	150			P
	Cyanide__	1.9		N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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X105

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP79

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564612

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _72.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	14500			P
7440-36-0	Antimony_	0.76	B	N	P
7440-38-2	Arsenic__	12.2			P
7440-39-3	Barium___	228			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium__	1.5			P
7440-70-2	Calcium__	13900			P
7440-47-3	Chromium_	18.9			P
7440-48-4	Cobalt___	9.3	B		P
7440-50-8	Copper___	38.3			P
7439-89-6	Iron____	25300			P
7439-92-1	Lead____	146			P
7439-95-4	Magnesium	6640			P
7439-96-5	Manganese	1120			P
7439-97-6	Mercury__	1.8			CV
7440-02-0	Nickel___	20.3			P
7440-09-7	Potassium	3070			P
7782-49-2	Selenium_	1.1	B		P
7440-22-4	Silver___	0.22	U		P
7440-23-5	Sodium___	108	B		P
7440-28-0	Thallium_	0.66	U		P
7440-62-2	Vanadium_	31.2			P
7440-66-6	Zinc____	299			P
	Cyanide__	0.59	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X106

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP80

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564613

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _70.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	17500			P
7440-36-0	Antimony_	1.3	B	N	P
7440-38-2	Arsenic__	13.4			P
7440-39-3	Barium___	234			P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium__	2.1			P
7440-70-2	Calcium__	14900			P
7440-47-3	Chromium_	22.6			P
7440-48-4	Cobalt___	9.8	B		P
7440-50-8	Copper___	42.1			P
7439-89-6	Iron_____	28900			P
7439-92-1	Lead_____	148			P
7439-95-4	Magnesium	6940			P
7439-96-5	Manganese	1080			P
7439-97-6	Mercury__	2.0			CV
7440-02-0	Nickel___	24.1			P
7440-09-7	Potassium	3920			P
7782-49-2	Selenium_	1.2	B		P
7440-22-4	Silver___	0.26	U		P
7440-23-5	Sodium___	290	B		P
7440-28-0	Thallium_	0.78	U		P
7440-62-2	Vanadium_	38.2			P
7440-66-6	Zinc_____	409			P
	Cyanide__	0.54	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X107

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP81

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564614

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _83.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	10300	_		P_
7440-36-0	Antimony_	0.50	B	N	P_
7440-38-2	Arsenic__	18.2	_		P_
7440-39-3	Barium___	107	_		P_
7440-41-7	Beryllium	1.2	_		P_
7440-43-9	Cadmium__	9.8	_		P_
7440-70-2	Calcium__	31600	_		P_
7440-47-3	Chromium_	15.0	_		P_
7440-48-4	Cobalt___	6.4	B		P_
7440-50-8	Copper___	27.8	_		P_
7439-89-6	Iron____	23500	_		P_
7439-92-1	Lead____	132	_		P_
7439-95-4	Magnesium	15800	_		P_
7439-96-5	Manganese	667	_		P_
7439-97-6	Mercury__	0.15	_		CV
7440-02-0	Nickel___	15.2	_		P_
7440-09-7	Potassium	2550	_		P_
7782-49-2	Selenium_	0.93	B		P_
7440-22-4	Silver___	0.22	U		P_
7440-23-5	Sodium___	194	B		P_
7440-28-0	Thallium_	0.67	U		P_
7440-62-2	Vanadium_	26.3	_		P_
7440-66-6	Zinc____	199	_		P_
_____	Cyanide__	0.52	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X108

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP82

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564615

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _70.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	17700			P
7440-36-0	Antimony_	0.77	B	N	P
7440-38-2	Arsenic__	12.5			P
7440-39-3	Barium___	175			P
7440-41-7	Beryllium	1.9			P
7440-43-9	Cadmium__	1.9			P
7440-70-2	Calcium__	55700			P
7440-47-3	Chromium_	22.0			P
7440-48-4	Cobalt___	10.2	B		P
7440-50-8	Copper___	41.3			P
7439-89-6	Iron_____	28700			P
7439-92-1	Lead_____	218			P
7439-95-4	Magnesium	20300			P
7439-96-5	Manganese	1020			P
7439-97-6	Mercury__	0.20			CV
7440-02-0	Nickel___	27.1			P
7440-09-7	Potassium	4330			P
7782-49-2	Selenium_	1.0	B		P
7440-22-4	Silver___	0.28	U		P
7440-23-5	Sodium___	307	B		P
7440-28-0	Thallium_	0.84	U		P
7440-62-2	Vanadium_	28.5			P
7440-66-6	Zinc_____	319			P
	Cyanide__	2.2		N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X109

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP83

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564616

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _75.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	13500	_		P_
7440-36-0	Antimony_	0.46	U	N	P_
7440-38-2	Arsenic__	12.4	_		P_
7440-39-3	Barium___	114	_		P_
7440-41-7	Beryllium	0.90	B		P_
7440-43-9	Cadmium__	0.84	B		P_
7440-70-2	Calcium__	12100	_		P_
7440-47-3	Chromium_	19.6	_		P_
7440-48-4	Cobalt___	10.0	B		P_
7440-50-8	Copper___	31.3	_		P_
7439-89-6	Iron____	23200	_		P_
7439-92-1	Lead____	80.1	_		P_
7439-95-4	Magnesium	8340	_		P_
7439-96-5	Manganese	606	_		P_
7439-97-6	Mercury__	0.13	_		CV
7440-02-0	Nickel___	25.6	_		P_
7440-09-7	Potassium	3030	_		P_
7782-49-2	Selenium_	0.73	B		P_
7440-22-4	Silver___	0.23	U		P_
7440-23-5	Sodium___	72.3	B		P_
7440-28-0	Thallium_	0.68	U		P_
7440-62-2	Vanadium_	29.4	_		P_
7440-66-6	Zinc____	202	_		P_
_____	Cyanide__	0.52	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X501

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP84

ab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

ab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

atrix (soil/water): SOIL_ Lab Sample ID: 950564617

evel (low/med): LOW__ Date Received: 05/25/95

Solids: _73.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4190			P
7440-36-0	Antimony_	1.3	B	N	P
7440-38-2	Arsenic__	26.8			P
7440-39-3	Barium___	77.8			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium__	9.3			P
7440-70-2	Calcium__	18600			P
7440-47-3	Chromium_	246			P
7440-48-4	Cobalt___	16.1			P
7440-50-8	Copper___	195			P
7439-89-6	Iron_____	386000			P
7439-92-1	Lead_____	824			P
7439-95-4	Magnesium	3780			P
7439-96-5	Manganese	2800			P
7439-97-6	Mercury__	0.17			CV
7440-02-0	Nickel___	151			P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium_	0.68	U		P
7440-22-4	Silver___	1.5	B		P
7440-23-5	Sodium___	52.2	U		P
7440-28-0	Thallium_	3.4	U		P
7440-62-2	Vanadium_	9.3	B		P
7440-66-6	Zinc_____	5950			P
	Cyanide__	4.8		N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

X502

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP85

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564618

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _83.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	2340	_		P_
7440-36-0	Antimony_	0.39	U	N	P_
7440-38-2	Arsenic__	13.2	_		P_
7440-39-3	Barium___	100	_		P_
7440-41-7	Beryllium	0.73	B		P_
7440-43-9	Cadmium__	0.64	B		P_
7440-70-2	Calcium__	1760	_		P_
7440-47-3	Chromium_	5.3	_		P_
7440-48-4	Cobalt___	9.9	_		P_
7440-50-8	Copper___	46.0	_		P_
7439-89-6	Iron____	148000	_		P_
7439-92-1	Lead____	25.9	_		P_
7439-95-4	Magnesium	537	B		P_
7439-96-5	Manganese	7500	_		P_
7439-97-6	Mercury__	0.11	U		CV
7440-02-0	Nickel___	4.7	B		P_
7440-09-7	Potassium	374	B		P_
7782-49-2	Selenium_	1.2	_		P_
7440-22-4	Silver___	0.19	U		P_
7440-23-5	Sodium___	44.7	U		P_
7440-28-0	Thallium_	2.9	U		P_
7440-62-2	Vanadium_	16.8	_		P_
7440-66-6	Zinc____	65.8	_		P_
	Cyanide__	0.47	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

X201

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP66

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564605

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _78.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	3570	_		P_
7440-36-0	Antimony_	0.38	U	N	P_
7440-38-2	Arsenic__	5.2	_		P_
7440-39-3	Barium___	48.7	_		P_
7440-41-7	Beryllium	0.52	B		P_
7440-43-9	Cadmium__	0.76	B		P_
7440-70-2	Calcium__	78200	_		P_
7440-47-3	Chromium_	11.9	_		P_
7440-48-4	Cobalt___	3.7	B		P_
7440-50-8	Copper___	179	_		P_
7439-89-6	Iron____	10300	_		P_
7439-92-1	Lead____	59.3	_		P_
7439-95-4	Magnesium	44100	_		P_
7439-96-5	Manganese	230	_		P_
7439-97-6	Mercury__	0.14	_		CV
7440-02-0	Nickel___	11.4	_		P_
7440-09-7	Potassium	1050	_		P_
7782-49-2	Selenium_	0.58	U		P_
7440-22-4	Silver___	0.19	U		P_
7440-23-5	Sodium___	523	B		P_
7440-28-0	Thallium_	0.58	U		P_
7440-62-2	Vanadium_	9.0	B		P_
7440-66-6	Zinc____	169			P_
	Cyanide__	0.56	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

X202

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP67

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564606

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _43.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	15900			P
7440-36-0	Antimony_	0.91	U	N	P
7440-38-2	Arsenic__	11.6			P
7440-39-3	Barium___	109			P
7440-41-7	Beryllium	0.99	B		P
7440-43-9	Cadmium__	2.5			P
7440-70-2	Calcium__	34900			P
7440-47-3	Chromium_	79.0			P
7440-48-4	Cobalt___	9.2	B		P
7440-50-8	Copper___	91.9			P
7439-89-6	Iron_____	24200			P
7439-92-1	Lead_____	232			P
7439-95-4	Magnesium	19300			P
7439-96-5	Manganese	292			P
7439-97-6	Mercury__	0.73			CV
7440-02-0	Nickel___	34.9			P
7440-09-7	Potassium	4180			P
7782-49-2	Selenium_	1.4	U		P
7440-22-4	Silver___	0.58	B		P
7440-23-5	Sodium___	310	B		P
7440-28-0	Thallium_	1.4	U		P
7440-62-2	Vanadium_	32.6			P
7440-66-6	Zinc_____	255			P
	Cyanide__	1.1	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

X203

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP68

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564607

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _55.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	13600			P
7440-36-0	Antimony_	1.4	B	N	P
7440-38-2	Arsenic__	19.1			P
7440-39-3	Barium___	178			P
7440-41-7	Beryllium	0.95	B		P
7440-43-9	Cadmium__	2.0			P
7440-70-2	Calcium__	24900			P
7440-47-3	Chromium_	91.7			P
7440-48-4	Cobalt___	7.5	B		P
7440-50-8	Copper___	179			P
7439-89-6	Iron_____	36600			P
7439-92-1	Lead_____	247			P
7439-95-4	Magnesium	12700			P
7439-96-5	Manganese	328			P
7439-97-6	Mercury__	3.6			CV
7440-02-0	Nickel___	25.9			P
7440-09-7	Potassium	3810			P
7782-49-2	Selenium_	1.1	B		P
7440-22-4	Silver___	2.9			P
7440-23-5	Sodium___	240	B		P
7440-28-0	Thallium_	0.78	U		P
7440-62-2	Vanadium_	28.1			P
7440-66-6	Zinc_____	538			P
	Cyanide__	0.75	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

X204

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP69

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564608

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _44.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	12700			P
7440-36-0	Antimony_	0.88	B	N	P
7440-38-2	Arsenic__	21.1			P
7440-39-3	Barium___	191			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium__	2.1	B		P
7440-70-2	Calcium__	28900			P
7440-47-3	Chromium_	103			P
7440-48-4	Cobalt___	8.3	B		P
7440-50-8	Copper___	202			P
7439-89-6	Iron____	39300			P
7439-92-1	Lead____	278			P
7439-95-4	Magnesium	14200			P
7439-96-5	Manganese	377			P
7439-97-6	Mercury__	4.4			CV
7440-02-0	Nickel___	28.1			P
7440-09-7	Potassium	3430			P
7782-49-2	Selenium_	1.3	U		P
7440-22-4	Silver___	3.1	B		P
7440-23-5	Sodium___	273	B		P
7440-28-0	Thallium_	1.3	U		P
7440-62-2	Vanadium_	26.7			P
7440-66-6	Zinc____	597			P
	Cyanide__	0.79	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X205

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP70

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564609

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _54.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	13900			P
7440-36-0	Antimony_	0.82	B	N	P
7440-38-2	Arsenic__	13.9			P
7440-39-3	Barium___	148			P
7440-41-7	Beryllium	0.96	B		P
7440-43-9	Cadmium__	1.5			P
7440-70-2	Calcium__	44000			P
7440-47-3	Chromium_	55.4			P
7440-48-4	Cobalt___	10.9	B		P
7440-50-8	Copper___	110			P
7439-89-6	Iron_____	28200			P
7439-92-1	Lead_____	214			P
7439-95-4	Magnesium	24600			P
7439-96-5	Manganese	1700			P
7439-97-6	Mercury__	2.8			CV
7440-02-0	Nickel___	28.7			P
7440-09-7	Potassium	4170			P
7782-49-2	Selenium_	0.81	U		P
7440-22-4	Silver___	2.0	B		P
7440-23-5	Sodium___	311	B		P
7440-28-0	Thallium_	0.81	U		P
7440-62-2	Vanadium_	27.1			P
7440-66-6	Zinc_____	400			P
	Cyanide__	0.90	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X206

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEZP71

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564610

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _49.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	13000			P
7440-36-0	Antimony_	0.71	U	N	P
7440-38-2	Arsenic__	9.6			P
7440-39-3	Barium___	125			P
7440-41-7	Beryllium	0.86	B		P
7440-43-9	Cadmium__	3.7			P
7440-70-2	Calcium__	37500			P
7440-47-3	Chromium_	65.2			P
7440-48-4	Cobalt___	8.6	B		P
7440-50-8	Copper___	128			P
7439-89-6	Iron____	23800			P
7439-92-1	Lead____	223			P
7439-95-4	Magnesium	18500			P
7439-96-5	Manganese	329			P
7439-97-6	Mercury__	0.94			CV
7440-02-0	Nickel___	37.7			P
7440-09-7	Potassium	3120			P
7782-49-2	Selenium_	1.1	U		P
7440-22-4	Silver___	1.3	B		P
7440-23-5	Sodium___	384	B		P
7440-28-0	Thallium_	1.1	U		P
7440-62-2	Vanadium_	25.0			P
7440-66-6	Zinc____	374			P
	Cyanide__	0.81	U	N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

X208

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MEWN98

Lab Name: INDUSTRIAL_AND_ENVIRONMEN Contract: 68-D3-0041

Lab Code: IEA___ Case No.: 23616_ SAS No.: _____ SDG No.: MEWN98

Matrix (soil/water): SOIL_ Lab Sample ID: 950564601

Level (low/med): LOW__ Date Received: 05/25/95

% Solids: _30.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	5000			P
7440-36-0	Antimony_	1.8	B	N	P
7440-38-2	Arsenic__	28.9			P
7440-39-3	Barium___	80.8	B		P
7440-41-7	Beryllium	0.65	B		P
7440-43-9	Cadmium__	24.4			P
7440-70-2	Calcium__	51900			P
7440-47-3	Chromium_	168			P
7440-48-4	Cobalt___	12.2	B		P
7440-50-8	Copper___	163			P
7439-89-6	Iron_____	144000			P
7439-92-1	Lead_____	1140			P
7439-95-4	Magnesium	12000			P
7439-96-5	Manganese	1030			P
7439-97-6	Mercury__	1.8			CV
7440-02-0	Nickel___	96.1			P
7440-09-7	Potassium	1610	B		P
7782-49-2	Selenium_	3.7			P
7440-22-4	Silver___	1.8	B		P
7440-23-5	Sodium___	774	B		P
7440-28-0	Thallium_	1.9	U		P
7440-62-2	Vanadium_	13.2	B		P
7440-66-6	Zinc_____	16300			P
	Cyanide__	3.6		N	CA

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:
SAMPLE_CONTAINED_ROOTS

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