33

C. 2

L1190400008--Madison County
Jennison-Wright Corporation
ILD006282479
SF/HRS

CERCLA

Expanded Site Inspection Analytical Results

Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

US EPA RECORDS CENTER REGION 5
577307

Confidential Material May be Enclosed

APPENDIX C

ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES

Division File

1190400008 / Madison
Jennison Wright /
S. F. Tech

ARDL Inc. applied research & development laboratory

CHEMISTRY • BIOLOGY • PHYSIOLOGY
ENGINEERING • ENVIRONMENTAL ANALYSIS

16 August 1991

Mr. Ron Turpin
Division of Laboratories #4
Illinois Environmental Protection Agency
P. O. Box 19276
2200 Churchill Road
Springfield, IL 62706

SUBJECT: Data Package Submittal
Facility: Jennison Wright
ARDL ID: 200228
Site Inventory No.: 1190400008
Due Date: 08/30/91

Dear Mr. Turpin:

Enclosed please find ARDL's data package for analyses performed on samples delivered to our laboratory on 07/31/91. The data package consists of the following:

1. Letter of Transmittal
2. Tabulated Analytical Results
3. Chain-of-Custody Documentation
4. Data Package - Paginated and submitted in the following order:

    a. Volume 1 - Inorganic Analysis Data Package
    b. Volume 2 - Organic Sample Data Summary Package
    c. Volume 3 - Volatiles Analysis Data Package
    d. Volume 4 - Semi-Volatiles Analysis Data Package

I have forwarded one (1) copy of the sample results for this package to Sue Doubet, IEPA.

We appreciate the opportunity to be of service to the IEPA.

Thank you.

Sincerely yours,

Daniel J. Gillespie
Technical Services Manager

DJG/clf

RECEIVED
AUG 30 1991
IEPA/DLPC

P.O. Box 1566 • 1801 W. Forest Street • Mt. Vernon, Illinois 62864 • (618) 244-3235 FAX (618) 244-1149

1190400008/Madison
Jennison Wright
S. F. Tech.

ARDL Inc. applied research & development laboratory

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Sincerely yours,

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-1

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0161

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 7 Date Analyzed: 8/02/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-1

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0161

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 7 Date Analyzed: 8/02/91

Column: PACK Dilution Factor: 1.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.50	41.	
2. 76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.57	8.	
3.	Unknown	19.00	13.	
4.	Unknown	22.29	47.	
5.	Unknown alkane	24.70	150.	
6.	Unknown alkane	27.49	96.	
7.	Benzene, diethyl-	32.62	15.	
8.	Unknown	37.20	13.	
9.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5041

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 7 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.2 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	350.	U
111-44-4	bis(2-Chloroethyl)ether	350.	U
95-57-8	2-Chlorophenol	350.	U
541-73-1	1,3-Dichlorobenzene	350.	U
106-46-7	1,4-Dichlorobenzene	350.	U
100-51-6	Benzyl alcohol	350.	U
95-50-1	1,2-Dichlorobenzene	350.	U
95-48-7	2-Methylphenol	350.	U
39638-32-9	bis(2-chloroisopropyl)ether	350.	U
106-44-5	4-Methylphenol	350.	U
621-64-7	N-Nitroso-Di-n-propylamine	350.	U
67-72-1	Hexachloroethane	350.	U
98-95-3	Nitrobenzene	350.	U
78-59-1	Isophorone	350.	U
88-75-5	2-Nitrophenol	350.	U
105-67-9	2,4-Dimethylphenol	350.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	350.	U
120-83-2	2,4-Dichlorophenol	350.	U
120-82-1	1,2,4-Trichlorobenzene	350.	U
91-20-3	Naphthalene	350.	U
106-47-8	4-Chloroaniline	350.	U
87-68-3	Hexachlorobutadiene	350.	U
59-50-7	4-Chloro-3-methylphenol	350.	U
91-57-6	2-Methylnaphthalene	350.	U
77-47-4	Hexachlorocyclopentadiene	350.	U
88-06-2	2,4,6-Trichlorophenol	350.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	350.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	350.	U
208-96-8	Acenaphthylene	350.	U
606-20-2	2,6-Dinitrotoluene	350.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5041

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 7 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.2 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	350.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	350.	U
121-14-2	2,4-Dinitrotoluene	350.	U
84-66-2	Diethylphthalate	350.	U
7005-72-3	4-Chlorophenyl-phenylether	350.	U
86-73-7	Fluorene	350.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	350.	U
101-55-3	4-Bromophenyl-phenylether	350.	U
118-74-1	Hexachlorobenzene	350.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	610.	
120-12-7	Anthracene	120.	J
84-74-2	Di-n-butylphthalate	350.	U
206-44-0	Fluoranthene	1200.	
129-00-0	Pyrene	850.	
85-68-7	Butylbenzylphthalate	650.	
91-94-1	3,3'-Dichlorobenzidine	710.	U
56-55-3	Benzo(a)anthracene	510.	
218-01-9	Chrysene	560.	
117-81-7	bis(2-Ethylhexyl)phthalate	1100.	
117-84-0	Di-n-Octyl_Phthalate	350.	U
205-99-2	Benzo(b)fluoranthene	720.	
207-08-9	Benzo(k)fluoranthene	560.	
50-32-8	Benzo(a)pyrene	590.	
193-39-5	Indeno(1,2,3-cd)pyrene	330.	J
53-70-3	Dibenzo(a,h)anthracene	350.	U
191-24-2	Benzo(g,h,i)perylene	280.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5041

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 7 dec. ----- Date Extracted: 7/31/91

Final Extract Volume: 1000.0 (uL) Date Analyzed: 7/31/91

Injection Volume: 1.0000 (uL) Dilution Factor: 1.00000

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

Number TICs found: 17

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.32	1000.	
2.		Unknown	6.07	11000.	
3.		Unknown	7.81	530.	
4.		Unknown	8.43	330.	
5.		Unknown alkane	20.04	240.	
6.		Unknown	22.20	150.	
7.		Unknown	22.75	190.	
8.	57103	Hexadecanoic acid	22.83	260.	
9.		Unknown	23.25	300.	
10.		Unknown PAH	25.72	140.	
11.		Unknown adipate	27.02	1300.	
12.		Unknown alkane	29.42	160.	
13.		Unknown alkane	30.17	180.	
14.		Unknown alkane	30.97	750.	
15.		Unknown PAH	31.18	540.	
16.		Unknown alkane	32.95	590.	
17.		Unknown	36.16	330.	
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RECEIVED
AUG 30 1991

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X101

Matrix (soil/water) soil Lab Sample ID: 200227-1

Level (low/med): Date Received: 7/31/91

% Solids: 93

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	9500		P	
7440-36-0	Antimony	9.9	U	P	N
7440-38-2	Arsenic	11		BH	
7440-39-3	Barium	220		P	
7440-41-7	Beryllium	5.6		P	N E
7440-43-9	Cadmium	1.9		P	
7440-70-2	Calcium	8800		P	
7440-47-3	Chromium	12		P	
7440-48-4	Cobalt	11		P	
7440-50-8	Copper	59		P	
7439-89-6	Iron	23000		P	
7439-92-1	Lead	460		P	E
7439-95-4	Magnesium	2700		P	E
7439-96-5	Manganese	580		P	
7439-97-6	Mercury	0.11		CV	
7440-02-0	Nickel	22		P	
7440-09-7	Potassium	2200		P	
7782-49-2	Selenium	0.87	U	BH	
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	[980]		P	
7440-28-0	Thallium	0.97	U	F	
7440-62-2	Vanadium	25		P	
7440-66-6	Zinc	410		P	

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0174

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	13.	B
67-64-1	Acetone	51.	
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0174

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

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. 76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.56	21.	
2.	Unknown	23.36	7.	
3.	Unknown	27.63	10.	
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0196

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/06/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0196

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/06/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.58	21.	
2.		Unknown	27.59	29.	
3.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5042

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370.	U
111-44-4	bis(2-Chloroethyl)ether	370.	U
95-57-8	2-Chlorophenol	370.	U
541-73-1	1,3-Dichlorobenzene	370.	U
106-46-7	1,4-Dichlorobenzene	370.	U
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-chloroisopropyl)ether	370.	U
106-44-5	4-Methylphenol	370.	U
621-64-7	N-Nitroso-Di-n-propylamine	370.	U
67-72-1	Hexachloroethane	370.	U
98-95-3	Nitrobenzene	370.	U
78-59-1	Isophorone	370.	U
88-75-5	2-Nitrophenol	370.	U
105-67-9	2,4-Dimethylphenol	370.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	370.	U
120-83-2	2,4-Dichlorophenol	370.	U
120-82-1	1,2,4-Trichlorobenzene	370.	U
91-20-3	Naphthalene	370.	U
106-47-8	4-Chloroaniline	370.	U
87-68-3	Hexachlorobutadiene	370.	U
59-50-7	4-Chloro-3-methylphenol	370.	U
91-57-6	2-Methylnaphthalene	370.	U
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5042

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	370.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	370.	U
121-14-2	2,4-Dinitrotoluene	370.	U
84-66-2	Diethylphthalate	370.	U
7005-72-3	4-Chlorophenyl-phenylether	370.	U
86-73-7	Fluorene	180.	J
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	370.	U
101-55-3	4-Bromophenyl-phenylether	370.	U
118-74-1	Hexachlorobenzene	370.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	2300.	
120-12-7	Anthracene	520.	
84-74-2	Di-n-butylphthalate	370.	U
206-44-0	Fluoranthene	2900.	
129-00-0	Pyrene	2200.	
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	740.	U
56-55-3	Benzo(a)anthracene	1500.	
218-01-9	Chrysene	1600.	
117-81-7	bis(2-Ethylhexyl)phthalate	370.	U
117-84-0	Di-n-Octyl_Phthalate	370.	U
205-99-2	Benzo(b)fluoranthene	2200.	
207-08-9	Benzo(k)fluoranthene	1700.	
50-32-8	Benzo(a)pyrene	1400.	
193-39-5	Indeno(1,2,3-cd)pyrene	550.	
53-70-3	Dibenzo(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	460.	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5042

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ----- Date Extracted: 7/31/91

Injection Extract Volume: 1000.0 (uL) Date Analyzed: 7/31/91

Injection Volume: 1.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.33	1100.	
2.	Unknown	6.09	11000.	
3.	Unknown	7.82	570.	
4.	Unknown	21.80	330.	
5. 832713	Phenanathrene, 3-methyl-	22.47	270.	
6.	Unknown PAH	22.54	310.	
7.	Unknown	22.76	480.	
8.	Unknown PAH	22.82	310.	
9.	Unknown	23.27	290.	
10.	Unknown	24.64	220.	
11.	Unknown PAH	25.72	720.	
12.	Unknown	27.02	1900.	
13. 205436	Benzo[b]naphtho[1,2-d]-thiophene	27.29	310.	
14.	Unknown	27.39	520.	
15.	Unknown	27.55	330.	
16.	Benz[a]anthracene, methyl-	28.95	290.	
17.	Unknown PAH	30.77	410.	
18.	Unknown alkane	30.97	950.	
19.	Unknown PAH	31.20	1500.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X102

Matrix (soil/water) soil Lab Sample ID: 200227-2

Level (low/med): Date Received: 7/31/91

% Solids: 89

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	11000		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	12		BH	
7440-39-3	Barium	250		P	
7440-41-7	Beryllium	6.1		P	N E
7440-43-9	Cadmium	1.6		P	
7440-70-2	Calcium	5900		P	
7440-47-3	Chromium	14		P	
7440-48-4	Cobalt	[10]		P	
7440-50-8	Copper	38		P	
7439-89-6	Iron	19000		P	
7439-92-1	Lead	360		P	E
7439-95-4	Magnesium	3500		P	E
7439-96-5	Manganese	420		P	
7439-97-6	Mercury	0.16		CV	
7440-02-0	Nickel	23		P	
7440-09-7	Potassium	2200		P	
7782-49-2	Selenium	1.0	U	BH	
7440-22-4	Silver	2.2	U	P	N
7440-23-5	Sodium	[1100]		P	
7440-28-0	Thallium	1.1	U	F	
7440-62-2	Vanadium	27		P	
7440-66-6	Zinc	400		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Yellow Clarity After: Clear Artifacts: No

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0163

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 Date Analyzed: 8/02/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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	13.	
67-64-1	Acetone	6.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	4.	J
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	3.	JB
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0163

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 Date Analyzed: 8/02/91

Column: PACK Dilution Factor: 1.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.56	11.	
2.		Unknown	22.28	9.	
3.		Unknown	23.40	56.	
4.		Unknown alkane	24.72	130.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0175

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0175

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	9.73	7.	
2.	76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.52	30.	
3.		Unknown	15.85	17.	
4.		Unknown	17.70	34.	
5.		Unknown	21.07	15.	
6.		Unknown	23.36	11.	
7.		Unknown alkane	24.68	320.	
8.		Unknown alkane	29.06	24.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5072

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 8/07/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-Chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
100-51-6	Benzyl alcohol	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
39638-32-9	bis(2-chloroisopropyl)ether	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-Di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
65-85-0	Benzoic acid	2000.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	1400.	
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	2000.	
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	2000.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	2000.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	110.	J
606-20-2	2,6-Dinitrotoluene	410.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5072

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 8/07/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	2000.	U
83-32-9	Acenaphthene	410.	U
51-28-5	2,4-Dinitrophenol	2000.	U
100-02-7	4-Nitrophenol	2000.	U
132-64-9	Dibenzofuran	78.	J
121-14-2	2,4-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	2000.	U
534-52-1	4,6-Dinitro-2-methylphenol	2000.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	2000.	U
85-01-8	Phenanthrene	390.	J
120-12-7	Anthracene	93.	J
84-74-2	Di-n-butylphthalate	410.	U
206-44-0	Fluoranthene	380.	J
129-00-0	Pyrene	410.	J
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	830.	U
56-55-3	Benzo(a)anthracene	170.	J
218-01-9	Chrysene	280.	J
117-81-7	bis(2-Ethylhexyl)phthalate	110.	J
117-84-0	Di-n-Octyl_Phthalate	410.	U
205-99-2	Benzo(b)fluoranthene	360.	J
207-08-9	Benzo(k)fluoranthene	290.	J
50-32-8	Benzo(a)pyrene	260.	J
193-39-5	Indeno(1,2,3-cd)pyrene	220.	J
53-70-3	Dibenzo(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	210.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5072

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 20 dec. ----- Date Extracted: 7/31/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/07/91

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.00000

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.19	960.	
2.	Unknown	5.95	11000.	
3.	Benzene, dimethyl-	6.53	830.	
4.	Benzene, ethyl- methyl-	8.71	1500.	
5.	Benzene, methyl- propyl-	10.51	1100.	
6.	Benzene, ethyl- dimethyl-	10.64	830.	
7.	Benzene, tetramethyl-	11.70	720.	
8.	Benzene, tetramethyl-	11.77	850.	
9.	Unknown	12.18	800.	
10.	1H- Indene, 2,3- dihydro- methyl-	12.30	1300.	
11.	Benzene, dimethyl- (1- methyl ethyl) -	13.08	1000.	
12.	Unknown	13.70	770.	
13.	Unknown	14.15	980.	
14.	Unknown	14.42	970.	
15.	Ethanone 1-(dimethyl phenyl)-	14.96	810.	
16.	Naphthalene, dimethyl-	16.26	630.	
17.	Unknown	18.38	590.	
18.	Unknown alkane	19.92	550.	
19.	Unknown	22.74	600.	
20.	Unknown adipate	26.91	7400.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X103

Matrix (soil/water) soil Lab Sample ID: 200227-3

Level (low/med): Date Received: 7/31/91

% Solids: 80

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	7100		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	21		BH	
7440-39-3	Barium	230		P	
7440-41-7	Beryllium	53		P	N E
7440-43-9	Cadmium	0.93	U	P	
7440-70-2	Calcium	4200		P	
7440-47-3	Chromium	1.6	U	P	
7440-48-4	Cobalt	23		P	
7440-50-8	Copper	37		P	
7439-89-6	Iron	180000		P	
7439-92-1	Lead	440		P	E
7439-95-4	Magnesium	1600		P	E
7439-96-5	Manganese	1100		P	
7439-97-6	Mercury	0.38		CV	
7440-02-0	Nickel	22		P	
7440-09-7	Potassium	1700		P	
7782-49-2	Selenium	0.97	U	BH	
7440-22-4	Silver	2.3	U	P	N
7440-23-5	Sodium	1100	U	P	
7440-28-0	Thallium	1.1	U	F	
7440-62-2	Vanadium	[11]		P	
7440-66-6	Zinc	770		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Orange Clarity After: Clear Artifacts: No

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0164

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 Date Analyzed: 8/02/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0164

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 Date Analyzed: 8/02/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.56	5.	
2.		Unknown	24.02	35.	
3.		Unknown	32.24	66.	
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0176

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0176

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

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	13.56	10.	
2.		Unknown	32.86	170.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5044

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.7 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	360.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	360.	U
541-73-1	1,3-Dichlorobenzene	360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
39638-32-9	bis(2-chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-Di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	160.	J
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	130.	J
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5044

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.7 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	96.	J
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	110.	J
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	920.	
120-12-7	Anthracene	190.	J
84-74-2	Di-n-butylphthalate	100.	J
206-44-0	Fluoranthene	1200.	
129-00-0	Pyrene	810.	
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	450.	
218-01-9	Chrysene	490.	
117-81-7	bis(2-Ethylhexyl)phthalate	220.	J
117-84-0	Di-n-Octyl_Phthalate	360.	U
205-99-2	Benzo(b)fluoranthene	670.	
207-08-9	Benzo(k)fluoranthene	490.	
50-32-8	Benzo(a)pyrene	480.	
193-39-5	Indeno(1,2,3-cd)pyrene	210.	J
53-70-3	Dibenzo(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	200.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-4

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5044

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 8 dec. ----- Date Extracted: 7/31/91

Final Extract Volume:1000.0 (uL) Date Analyzed: 7/31/91

Injection Volume:1.0000 (uL) Dilution Factor: 1.00000

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

Number TICs found: 15

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.31	1100.	
2.		Unknown	6.05	11000.	
3.		Unknown	7.81	600.	
4.		Unknown	8.43	350.	
5.		Unknown alkane	20.04	340.	
6.		Unknown	22.76	200.	
7.		Unknown	22.83	180.	
8.		Unknown	23.26	180.	
9.		Unknown	24.11	330.	
10.		Unknown PAH	25.72	150.	
11.		Unknown	28.47	780.	
12.	112958	Eicosane	29.42	210.	
13.		Unknown alkane	30.97	1100.	
14.		Unknown PAH	31.19	650.	
15.		Unknown alkane	32.96	460.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X104

Matrix (soil/water) soil Lab Sample ID: 200227-4

Level (low/med): Date Received: 7/31/91

% Solids: 92

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	7600		P	
7440-36-0	Antimony	10	U	P	N
7440-38-2	Arsenic	7.2		BH	
7440-39-3	Barium	130		P	
7440-41-7	Beryllium	4.7		P	N E
7440-43-9	Cadmium	1.3		P	
7440-70-2	Calcium	38000		P	
7440-47-3	Chromium	23		P	
7440-48-4	Cobalt	11		P	
7440-50-8	Copper	24		P	
7439-89-6	Iron	16000		P	
7439-92-1	Lead	160		P	E
7439-95-4	Magnesium	19000		P	E
7439-96-5	Manganese	710		P	
7439-97-6	Mercury	0.078	U	CV	
7440-02-0	Nickel	18		P	
7440-09-7	Potassium	1200		P	
7782-49-2	Selenium	0.91	U	BH	
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	990	U	P	
7440-28-0	Thallium	1.0	U	F	
7440-62-2	Vanadium	28		P	
7440-66-6	Zinc	150		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Yellow Clarity After: Clear Artifacts: No

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0165

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/02/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0165

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/02/91

Column: PACK Dilution Factor: 1.00000

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. 76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.58	9.	
2.	Unknown	27.45	13.	
3.	Unknown	31.76	14.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0177

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0177

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

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	9.76	13.	
2.	76131	Ethane, 1,1,2-trichloro-			
		1,2,2-trifluoro-	13.51	7.	
3.		Unknown	31.91	7.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5045

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
100-51-6	Benzyl alcohol	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
39638-32-9	bis(2-chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-Di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	94.	J
606-20-2	2,6-Dinitrotoluene	380.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5045

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	380.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	380.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	590.	
120-12-7	Anthracene	160.	J
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	1000.	
129-00-0	Pyrene	940.	
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	750.	U
56-55-3	Benzo(a)anthracene	490.	
218-01-9	Chrysene	680.	
117-81-7	bis(2-Ethylhexyl)phthalate	240.	J
117-84-0	Di-n-Octyl_Phthalate	380.	U
205-99-2	Benzo(b)fluoranthene	870.	
207-08-9	Benzo(k)fluoranthene	620.	
50-32-8	Benzo(a)pyrene	590.	
193-39-5	Indeno(1,2,3-cd)pyrene	270.	J
53-70-3	Dibenzo(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	260.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5045

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 dec. ----- Date Extracted: 7/31/91

Final Extract Volume: 1000.0 (uL) Date Analyzed: 7/31/91

Injection Volume: 1.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.32	1200.	
2.	Unknown	6.06	12000.	
3.	Unknown	7.81	700.	
4.	Unknown	8.43	370.	
5.	Unknown alkane	20.04	210.	
6.	Unknown	22.76	180.	
7.	Unknown	22.83	280.	
8.	Unknown	23.25	180.	
9.	Unknown PAH	25.72	200.	
10.	Unknown alkane	29.41	380.	
11.	Unknown alkane	30.17	270.	
12.	Unknown alkane	30.97	1500.	
13.	Unknown PAH	31.19	660.	
14.	Unknown alkane	32.95	1100.	
15.	Unknown alkane	35.72	470.	
16.	Unknown	36.15	490.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X105

Matrix (soil/water) soil Lab Sample ID: 200227-5

Level (low/med): Date Received: 7/31/91

% Solids: 88

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	15000		P	
7440-36-0	Antimony	2.0	U	P	N
7440-38-2	Arsenic	11		BH	
7440-39-3	Barium	260		P	
7440-41-7	Beryllium	7.9		P	N E
7440-43-9	Cadmium	2.2		P	
7440-70-2	Calcium	9800		P	
7440-47-3	Chromium	27		P	
7440-48-4	Cobalt	16		P	
7440-50-8	Copper	42		P	
7439-89-6	Iron	25000		P	
7439-92-1	Lead	400		P	E
7439-95-4	Magnesium	4200		P	E
7439-96-5	Manganese	1000		P	
7439-97-6	Mercury	0.15		CV	
7440-02-0	Nickel	38		P	
7440-09-7	Potassium	2800		P	
7782-49-2	Selenium	0.95	U	BH	
7440-22-4	Silver	2.2	U	P	N
7440-23-5	Sodium	1300		P	
7440-28-0	Thallium	1.1	U	F	
7440-62-2	Vanadium	37		P	
7440-66-6	Zinc	600		P	

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0178

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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	6.	U
67-64-1	Acetone	29.	
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0178

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.54	6.	
2.		Unknown	23.26	6.	
3.		Benzene, tetramethyl-	28.46	68.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0197

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/06/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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	3.	J
67-64-1	Acetone	39.	B
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	20.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0197

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/06/91

Column: PACK Dilution Factor: 1.00000

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. 76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.50	17.	
2.	Unknown alkane	24.72	11.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5046

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.2 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
100-51-6	Benzyl alcohol	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
39638-32-9	bis(2-chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-Di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
65-85-0	Benzoic acid	1900.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5046

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.2 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	380.	U
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	110.	J
120-12-7	Anthracene	380.	U
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	230.	J
129-00-0	Pyrene	210.	J
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	770.	U
56-55-3	Benzo(a)anthracene	120.	J
218-01-9	Chrysene	160.	J
117-81-7	bis(2-Ethylhexyl)phthalate	130.	J
117-84-0	Di-n-Octyl_Phthalate	380.	U
205-99-2	Benzo(b)fluoranthene	220.	J
207-08-9	Benzo(k)fluoranthene	140.	J
50-32-8	Benzo(a)pyrene	140.	J
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenzo(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-6

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5046

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 dec. ----- Date Extracted: 7/31/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 7/31/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.00000

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

Number TICs found: 12

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.32	1200.	
2.		Unknown	6.07	12000.	
3.		Unknown	7.81	670.	
4.		Unknown	8.44	360.	
5.		Unknown	8.57	220.	
6.	57103	Hexadecanoic acid	22.83	200.	
7.		Unknown	28.47	510.	
8.		Unknown alkane	29.41	240.	
9.		Unknown alkane	30.97	1000.	
10.		Unknown alkane	32.96	800.	
11.		Unknown	35.72	1100.	
12.		Unknown	36.16	420.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X106

Matrix (soil/water) soil Lab Sample ID: 200227-6

Level (low/med): Date Received: 7/31/91

% Solids: 86

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	15000		P	
7440-36-0	Antimony	10	U	P	N
7440-38-2	Arsenic	9.6		BH	
7440-39-3	Barium	230		P	
7440-41-7	Beryllium	6.8		P	N E
7440-43-9	Cadmium	1.1		P	
7440-70-2	Calcium	5700		P	
7440-47-3	Chromium	14		P	
7440-48-4	Cobalt	12		P	
7440-50-8	Copper	25		P	
7439-89-6	Iron	21000		P	
7439-92-1	Lead	170		P	E
7439-95-4	Magnesium	3800		P	E
7439-96-5	Manganese	560		P	
7439-97-6	Mercury	0.079		CV	
7440-02-0	Nickel	25		P	
7440-09-7	Potassium	2700		P	
7782-49-2	Selenium	0.92	U	BH	
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	1300		P	
7440-28-0	Thallium	1.0	U	F	W
7440-62-2	Vanadium	27		P	
7440-66-6	Zinc	260		P	

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0179

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

b Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0179

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

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	3.31	6.	
2. 76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.57	12.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0201

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/06/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107RE

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0201

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/06/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.58	92.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5073

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.3 Date Analyzed: 8/07/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	340.	U
111-44-4	bis(2-Chloroethyl)ether	340.	U
95-57-8	2-Chlorophenol	340.	U
541-73-1	1,3-Dichlorobenzene	340.	U
106-46-7	1,4-Dichlorobenzene	340.	U
100-51-6	Benzyl alcohol	340.	U
95-50-1	1,2-Dichlorobenzene	340.	U
95-48-7	2-Methylphenol	340.	U
39638-32-9	bis(2-chloroisopropyl)ether	340.	U
106-44-5	4-Methylphenol	340.	U
621-64-7	N-Nitroso-Di-n-propylamine	340.	U
67-72-1	Hexachloroethane	340.	U
98-95-3	Nitrobenzene	340.	U
78-59-1	Isophorone	340.	U
88-75-5	2-Nitrophenol	340.	U
105-67-9	2,4-Dimethylphenol	340.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	340.	U
120-83-2	2,4-Dichlorophenol	340.	U
120-82-1	1,2,4-Trichlorobenzene	340.	U
91-20-3	Naphthalene	340.	U
106-47-8	4-Chloroaniline	340.	U
87-68-3	Hexachlorobutadiene	340.	U
59-50-7	4-Chloro-3-methylphenol	340.	U
91-57-6	2-Methylnaphthalene	340.	U
77-47-4	Hexachlorocyclopentadiene	340.	U
88-06-2	2,4,6-Trichlorophenol	340.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	340.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	340.	U
208-96-8	Acenaphthylene	61.	J
606-20-2	2,6-Dinitrotoluene	340.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5073

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.3 Date Analyzed: 8/07/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	340.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	340.	U
121-14-2	2,4-Dinitrotoluene	340.	U
84-66-2	Diethylphthalate	340.	U
7005-72-3	4-Chlorophenyl-phenylether	340.	U
86-73-7	Fluorene	340.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	340.	U
101-55-3	4-Bromophenyl-phenylether	340.	U
118-74-1	Hexachlorobenzene	340.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	290.	J
120-12-7	Anthracene	66.	J
84-74-2	Di-n-butylphthalate	340.	U
206-44-0	Fluoranthene	450.	
129-00-0	Pyrene	380.	
85-68-7	Butylbenzylphthalate	340.	U
91-94-1	3,3'-Dichlorobenzidine	690.	U
56-55-3	Benzo(a)anthracene	160.	J
218-01-9	Chrysene	290.	J
117-81-7	bis(2-Ethylhexyl)phthalate	170.	J
117-84-0	Di-n-Octyl_Phthalate	340.	U
205-99-2	Benzo(b)fluoranthene	410.	
207-08-9	Benzo(k)fluoranthene	330.	J
50-32-8	Benzo(a)pyrene	230.	J
193-39-5	Indeno(1,2,3-cd)pyrene	140.	J
53-70-3	Dibenzo(a,h)anthracene	340.	U
191-24-2	Benzo(g,h,i)perylene	120.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B507.3

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 dec. ----- Date Extracted: 7/31/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/07/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.00000

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.21	940.	
2.	Unknown	5.98	10000.	
3.	Unknown	7.70	500.	
4.	Unknown	8.33	290.	
5.	Unknown	8.45	170.	
6.	Unknown	22.72	170.	
7.	Unknown	24.95	150.	
8.	Unknown alkane	25.97	200.	
9.	Unknown adipate	26.89	2300.	
10.	Unknown	28.33	230.	
11.	Unknown alkane	29.29	270.	
12.	Unknown alkane	30.83	860.	
13.	Unknown alkane	32.75	740.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X107

Matrix (soil/water) soil Lab Sample ID: 200227-7

Level (low/med): Date Received: 7/31/91

% Solids: 96

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	11000		P	
7440-36-0	Antimony	8.1	U	P	N
7440-38-2	Arsenic	7.4		BH	
7440-39-3	Barium	210		P	
7440-41-7	Beryllium	2.5		P	N E
7440-43-9	Cadmium	3.5		P	
7440-70-2	Calcium	32000		P	
7440-47-3	Chromium	27		P	
7440-48-4	Cobalt	9.6		P	
7440-50-8	Copper	47		P	
7439-89-6	Iron	19000		P	
7439-92-1	Lead	460		P	E
7439-95-4	Magnesium	3400		P	E
7439-96-5	Manganese	1100		P	
7439-97-6	Mercury	0.096		CV	
7440-02-0	Nickel	20		P	
7440-09-7	Potassium	1800		P	
7782-49-2	Selenium	1.5		BH	
7440-22-4	Silver	1.7	U	P	N
7440-23-5	Sodium	1100		P	
7440-28-0	Thallium	0.80	U	F	
7440-62-2	Vanadium	25		P	
7440-66-6	Zinc	470		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Yellow Clarity After: Clear Artifacts: Yes(Rocks)

RECEIVED
AUG 30 1991
IEPA/DLPC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0180

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/05/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0180

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/05/91

Column: PACK Dilution Factor: 1.00000

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	3.35	7.	
2.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.57	12.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0199

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/06/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0199

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/06/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.54	22.	
2.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5048

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370.	U
111-44-4	bis(2-Chloroethyl)ether	370.	U
95-57-8	2-Chlorophenol	370.	U
541-73-1	1,3-Dichlorobenzene	370.	U
106-46-7	1,4-Dichlorobenzene	370.	U
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-chloroisopropyl)ether	370.	U
106-44-5	4-Methylphenol	370.	U
621-64-7	N-Nitroso-Di-n-propylamine	370.	U
67-72-1	Hexachloroethane	370.	U
98-95-3	Nitrobenzene	370.	U
78-59-1	Isophorone	370.	U
88-75-5	2-Nitrophenol	370.	U
105-67-9	2,4-Dimethylphenol	370.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	370.	U
120-83-2	2,4-Dichlorophenol	370.	U
120-82-1	1,2,4-Trichlorobenzene	370.	U
91-20-3	Naphthalene	370.	U
106-47-8	4-Chloroaniline	370.	U
87-68-3	Hexachlorobutadiene	370.	U
59-50-7	4-Chloro-3-methylphenol	370.	U
91-57-6	2-Methylnaphthalene	150.	J
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5048

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.1 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	370.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	84.	J
121-14-2	2,4-Dinitrotoluene	370.	U
84-66-2	Diethylphthalate	370.	U
7005-72-3	4-Chlorophenyl-phenylether	370.	U
86-73-7	Fluorene	83.	J
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	370.	U
101-55-3	4-Bromophenyl-phenylether	370.	U
118-74-1	Hexachlorobenzene	370.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	1400.	
120-12-7	Anthracene	230.	J
84-74-2	Di-n-butylphthalate	370.	U
206-44-0	Fluoranthene	1900.	
129-00-0	Pyrene	1700.	
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	740.	U
56-55-3	Benzo(a)anthracene	900.	
218-01-9	Chrysene	940.	
117-81-7	bis(2-Ethylhexyl)phthalate	220.	J
117-84-0	Di-n-Octyl_Phthalate	370.	U
205-99-2	Benzo(b)fluoranthene	1100.	
207-08-9	Benzo(k)fluoranthene	1100.	
50-32-8	Benzo(a)pyrene	970.	
193-39-5	Indeno(1,2,3-cd)pyrene	350.	J
53-70-3	Dibenzo(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	320.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5048

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ----- Date Extracted: 7/31/91

Final Extract Volume:1000.0 (ul) Date Analyzed: 7/31/91

Injection Volume:1.0000 (ul) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 7.1

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.32	1100.	
2.		Unknown	6.07	11000.	
3.		Unknown	7.81	600.	
4.		Unknown alkane	20.04	760.	
5.		Unknown	20.63	280.	
6.		Unknown PAH	22.54	270.	
7.		Unknown	22.75	480.	
8.	57103	Hexadecanoic acid	22.85	560.	
9.		Unknown	23.25	290.	
10.		Unknown	24.11	280.	
11.		Unknown PAH	25.72	300.	
12.		Unknown adipate	27.03	3200.	
13.		Unknown	27.39	150.	
14.		Unknown	28.47	600.	
15.		Benz[a]anthracene, methyl-	28.96	160.	
16.	544763	Hexadecane	29.42	230.	
17.		Unknown alkane	30.97	1000.	
18.		Unknown PAH	31.20	780.	
19.		Unknown alkane	32.95	740.	
20.		Unknown	36.15	530.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X108

Matrix (soil/water) soil Lab Sample ID: 200227-8

Level (low/med): Date Received: 7/31/91

% Solids: 89

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	9600		P	
7440-36-0	Antimony	10	U	P	N
7440-38-2	Arsenic	12		BH	
7440-39-3	Barium	210		P	
7440-41-7	Beryllium	1.9		P	N E
7440-43-9	Cadmium	2.1		P	
7440-70-2	Calcium	4200		P	
7440-47-3	Chromium	13		P	
7440-48-4	Cobalt	[9.4]		P	
7440-50-8	Copper	38		P	
7439-89-6	Iron	21000		P	
7439-92-1	Lead	290		P	E
7439-95-4	Magnesium	2500		P	E
7439-96-5	Manganese	440		P	
7439-97-6	Mercury	0.11		CV	
7440-02-0	Nickel	22		P	
7440-09-7	Potassium	2000		P	
7782-49-2	Selenium	0.94	U	BH	
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	970	U	P	
7440-28-0	Thallium	1.0	U	F	
7440-62-2	Vanadium	26		P	
7440-66-6	Zinc	300		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Yellow Clarity After: Clear Artifacts: Yes (Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200227 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-9

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0202

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/06/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-9

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0202

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 Date Analyzed: 8/06/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.54	79.	
2.					
3.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-9

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5049

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.3 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	370.	U
111-44-4	bis(2-Chloroethyl)ether	370.	U
95-57-8	2-Chlorophenol	370.	U
541-73-1	1,3-Dichlorobenzene	370.	U
106-46-7	1,4-Dichlorobenzene	370.	U
100-51-6	Benzyl alcohol	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
39638-32-9	bis(2-chloroisopropyl)ether	370.	U
106-44-5	4-Methylphenol	370.	U
621-64-7	N-Nitroso-Di-n-propylamine	370.	U
67-72-1	Hexachloroethane	370.	U
98-95-3	Nitrobenzene	370.	U
78-59-1	Isophorone	370.	U
88-75-5	2-Nitrophenol	370.	U
105-67-9	2,4-Dimethylphenol	370.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(2-Chloroethoxy)methane	370.	U
120-83-2	2,4-Dichlorophenol	370.	U
120-82-1	1,2,4-Trichlorobenzene	370.	U
91-20-3	Naphthalene	120.	J
106-47-8	4-Chloroaniline	370.	U
87-68-3	Hexachlorobutadiene	370.	U
59-50-7	4-Chloro-3-methylphenol	370.	U
91-57-6	2-Methylnaphthalene	370.	U
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	110.	J
606-20-2	2,6-Dinitrotoluene	370.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200227 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200227-9

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5049

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 7/31/91

GPC Cleanup: (Y/N) N pH: 7.3 Date Analyzed: 7/31/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	1800.	U
83-32-9	Acenaphthene	100.	J
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	97.	J
121-14-2	2,4-Dinitrotoluene	370.	U
84-66-2	Diethylphthalate	370.	U
7005-72-3	4-Chlorophenyl-phenylether	370.	U
86-73-7	Fluorene	130.	J
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	370.	U
101-55-3	4-Bromophenyl-phenylether	370.	U
118-74-1	Hexachlorobenzene	370.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	1500.	
120-12-7	Anthracene	260.	J
84-74-2	Di-n-butylphthalate	370.	U
206-44-0	Fluoranthene	1700.	
129-00-0	Pyrene	1800.	
85-68-7	Butylbenzylphthalate	370.	U
91-94-1	3,3'-Dichlorobenzidine	740.	U
56-55-3	Benzo(a)anthracene	930.	
218-01-9	Chrysene	1000.	
117-81-7	bis(2-Ethylhexyl)phthalate	320.	J
117-84-0	Di-n-Octyl_Phthalate	370.	U
205-99-2	Benzo(b)fluoranthene	1200.	
207-08-9	Benzo(k)fluoranthene	1000.	
50-32-8	Benzo(a)pyrene	1000.	
193-39-5	Indeno(1,2,3-cd)pyrene	310.	J
53-70-3	Dibenzo(a,h)anthracene	370.	U
191-24-2	Benzo(g,h,i)perylene	310.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200227 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200227-9

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5049

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 11 dec. ----- Date Extracted: 7/31/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 7/31/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.00000

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

Number TICs found: 19

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.34	1100.	
2.		Unknown	6.10	10000.	
3.		Unknown	7.82	590.	
4.		Phenanthrene, methyl-	22.48	250.	
5.		Unknown PAH	22.54	340.	
6.		Unknown	22.76	500.	
7.	57103	Hexadecanoic acid	22.84	510.	
8.	84651	9,10-Anthracenedione	23.30	600.	
9.		Unknown	24.10	340.	
10.		Unknown PAH	25.72	310.	
11.		Unknown adipate	27.04	3900.	
12.		Unknown	27.39	180.	
13.		Unknown	28.47	350.	
14.		Benz[a]anthracene, methyl-	28.95	150.	
15.		Unknown alkane	29.42	250.	
16.		Unknown alkane	30.17	350.	
17.		Unknown alkane	30.97	2500.	
18.		Unknown PAH	31.19	910.	
19.		Unknown alkane	32.95	830.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X109

Matrix (soil/water) soil Lab Sample ID: 200227-9

Level (low/med): Date Received: 7/31/91

% Solids: 89

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	8000		P	
7440-36-0	Antimony	10	U	P	N
7440-38-2	Arsenic	10		BH	
7440-39-3	Barium	160		P	
7440-41-7	Beryllium	1.3		P	N E
7440-43-9	Cadmium	2.3		P	
7440-70-2	Calcium	4400		P	
7440-47-3	Chromium	11		P	
7440-48-4	Cobalt	[7.4]		P	
7440-50-8	Copper	23		P	
7439-89-6	Iron	12000		P	
7439-92-1	Lead	440		P	E
7439-95-4	Magnesium	2300		P	E
7439-96-5	Manganese	350		P	
7439-97-6	Mercury	0.083		CV	
7440-02-0	Nickel	17		P	
7440-09-7	Potassium	1600		P	
7782-49-2	Selenium	0.94	U	BH	
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	980	U	P	
7440-28-0	Thallium	1.0	U	F	
7440-62-2	Vanadium	19		P	
7440-66-6	Zinc	300		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0222

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/09/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	8.	B
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0222

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/09/91

Column: PACK Dilution Factor: 1.00000

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.	75694	Methane, trichlorofluoro-	9.86	15.	
2.	76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.66	15.	
3.		Unknown	28.33	76.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0239

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/10/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0239

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 Date Analyzed: 8/10/91

Column: PACK Dilution Factor: 1.00000

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. 76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.62	6.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5103

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.0 Date Analyzed: 8/12/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	750.	U
111-44-4	bis(2-Chloroethyl)ether	750.	U
95-57-8	2-Chlorophenol	750.	U
541-73-1	1,3-Dichlorobenzene	750.	U
106-46-7	1,4-Dichlorobenzene	750.	U
100-51-6	Benzyl alcohol	750.	U
95-50-1	1,2-Dichlorobenzene	750.	U
95-48-7	2-Methylphenol	750.	U
39638-32-9	bis(2-chloroisopropyl)ether	750.	U
106-44-5	4-Methylphenol	750.	U
621-64-7	N-Nitroso-Di-n-propylamine	750.	U
67-72-1	Hexachloroethane	750.	U
98-95-3	Nitrobenzene	750.	U
78-59-1	Isophorone	750.	U
88-75-5	2-Nitrophenol	750.	U
105-67-9	2,4-Dimethylphenol	750.	U
65-85-0	Benzoic acid	3600.	U
111-91-1	bis(2-Chloroethoxy)methane	750.	U
120-83-2	2,4-Dichlorophenol	750.	U
120-82-1	1,2,4-Trichlorobenzene	750.	U
91-20-3	Naphthalene	750.	U
106-47-8	4-Chloroaniline	750.	U
87-68-3	Hexachlorobutadiene	750.	U
59-50-7	4-Chloro-3-methylphenol	750.	U
91-57-6	2-Methylnaphthalene	750.	U
77-47-4	Hexachlorocyclopentadiene	750.	U
88-06-2	2,4,6-Trichlorophenol	750.	U
95-95-4	2,4,5-Trichlorophenol	3600.	U
91-58-7	2-Chloronaphthalene	750.	U
88-74-4	2-Nitroaniline	3600.	U
131-11-3	Dimethylphthalate	750.	U
208-96-8	Acenaphthylene	750.	U
606-20-2	2,6-Dinitrotoluene	750.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5103

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.0 Date Analyzed: 8/12/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3600.	U
83-32-9	Acenaphthene	750.	U
51-28-5	2,4-Dinitrophenol	3600.	U
100-02-7	4-Nitrophenol	3600.	U
132-64-9	Dibenzofuran	750.	U
121-14-2	2,4-Dinitrotoluene	750.	U
84-66-2	Diethylphthalate	750.	U
7005-72-3	4-Chlorophenyl-phenylether	750.	U
86-73-7	Fluorene	750.	U
100-01-6	4-Nitroaniline	3600.	U
534-52-1	4,6-Dinitro-2-methylphenol	3600.	U
86-30-6	N-Nitrosodiphenylamine (1)	750.	U
101-55-3	4-Bromophenyl-phenylether	750.	U
118-74-1	Hexachlorobenzene	750.	U
87-86-5	Pentachlorophenol	3600.	U
85-01-8	Phenanthrene	1200.	
120-12-7	Anthracene	750.	U
84-74-2	Di-n-butylphthalate	750.	U
206-44-0	Fluoranthene	1600.	
129-00-0	Pyrene	1400.	
85-68-7	Butylbenzylphthalate	750.	U
91-94-1	3,3'-Dichlorobenzidine	1500.	U
56-55-3	Benzo(a)anthracene	740.	J
218-01-9	Chrysene	1200.	
117-81-7	bis(2-Ethylhexyl)phthalate	750.	U
117-84-0	Di-n-Octyl_Phthalate	750.	U
205-99-2	Benzo(b)fluoranthene	810.	
207-08-9	Benzo(k)fluoranthene	670.	J
50-32-8	Benzo(a)pyrene	640.	J
193-39-5	Indeno(1,2,3-cd)pyrene	540.	J
53-70-3	Dibenzo(a,h)anthracene	750.	U
191-24-2	Benzo(g,h,i)perylene	450.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5103

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 12 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/12/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.000000

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.29	560.	
2.	Unknown	5.78	1400.	
3.	Unknown	6.18	340.	
4.	Unknown	6.48	19000.	
5.	Unknown	8.23	630.	
6.	Unknown	10.57	1900.	
7.	Unknown	11.31	400.	
8.	Unknown	19.24	350.	
9.	Unknown	21.78	350.	
10.	Unknown	23.22	350.	
11.	Unknown	23.28	440.	
12.	Unknown	23.76	450.	
13.	Unknown PAH	26.20	370.	
14.	Unknown	29.57	2900.	
15.	Unknown alkane	31.50	760.	
16.	Unknown PAH	31.83	760.	
17.	Unknown alkane	33.70	1300.	
18.	Unknown alkane	36.78	650.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X110

Matrix (soil/water) soil Lab Sample ID: 200228-1

Level (low/med): Date Received: 7/31/91

% Solids: 88

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	15000		P	
7440-36-0	Antimony	9.5	U	P	
7440-38-2	Arsenic	13		BH	
7440-39-3	Barium	270		P	E
7440-41-7	Beryllium	2.0		P	
7440-43-9	Cadmium	3.2		P	
7440-70-2	Calcium	22000		P	
7440-47-3	Chromium	17		P	
7440-48-4	Cobalt	13		P	
7440-50-8	Copper	42		P	
7439-89-6	Iron	24000		P	
7439-92-1	Lead	460		P	
7439-95-4	Magnesium	9200		P	E
7439-96-5	Manganese	630		P	
7439-97-6	Mercury	0.12		CV	
7440-02-0	Nickel	28		P	
7440-09-7	Potassium	2800		P	
7782-49-2	Selenium	0.96	U	BH	N
7440-22-4	Silver	2.0	U	P	N
7440-23-5	Sodium	[340]		P	
7440-28-0	Thallium	1.1	U	F	N W
7440-62-2	Vanadium	29		P	
7440-66-6	Zinc	600		P	

Color Before: Brown Clarity Before: Texture: Fine

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

RECEIVED
AUG 30 1991

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0223

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 Date Analyzed: 8/09/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0223

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 Date Analyzed: 8/09/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.69	12.	
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0240

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 Date Analyzed: 8/10/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	8.	
67-64-1	Acetone	11.	U
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
1330-20-7	Xylene (total)	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0240

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 Date Analyzed: 8/10/91

Column: PACK Dilution Factor: 1.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.67	7.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5104

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.1 Date Analyzed: 8/13/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	760.	U
111-44-4	bis(2-Chloroethyl)ether	760.	U
95-57-8	2-Chlorophenol	760.	U
541-73-1	1,3-Dichlorobenzene	760.	U
106-46-7	1,4-Dichlorobenzene	760.	U
100-51-6	Benzyl alcohol	760.	U
95-50-1	1,2-Dichlorobenzene	760.	U
95-48-7	2-Methylphenol	760.	U
39638-32-9	bis(2-chloroisopropyl)ether	760.	U
106-44-5	4-Methylphenol	760.	U
621-64-7	N-Nitroso-Di-n-propylamine	760.	U
67-72-1	Hexachloroethane	760.	U
98-95-3	Nitrobenzene	760.	U
78-59-1	Isophorone	760.	U
88-75-5	2-Nitrophenol	760.	U
105-67-9	2,4-Dimethylphenol	760.	U
65-85-0	Benzoic acid	3700.	U
111-91-1	bis(2-Chloroethoxy)methane	760.	U
120-83-2	2,4-Dichlorophenol	760.	U
120-82-1	1,2,4-Trichlorobenzene	760.	U
91-20-3	Naphthalene	760.	U
106-47-8	4-Chloroaniline	760.	U
87-68-3	Hexachlorobutadiene	760.	U
59-50-7	4-Chloro-3-methylphenol	760.	U
91-57-6	2-Methylnaphthalene	760.	U
77-47-4	Hexachlorocyclopentadiene	760.	U
88-06-2	2,4,6-Trichlorophenol	760.	U
95-95-4	2,4,5-Trichlorophenol	3700.	U
91-58-7	2-Chloronaphthalene	760.	U
88-74-4	2-Nitroaniline	3700.	U
131-11-3	Dimethylphthalate	760.	U
208-96-8	Acenaphthylene	760.	U
606-20-2	2,6-Dinitrotoluene	760.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5104

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.1 Date Analyzed: 8/13/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3700.	U
83-32-9	Acenaphthene	760.	U
51-28-5	2,4-Dinitrophenol	3700.	U
100-02-7	4-Nitrophenol	3700.	U
132-64-9	Dibenzofuran	760.	U
121-14-2	2,4-Dinitrotoluene	760.	U
84-66-2	Diethylphthalate	760.	U
7005-72-3	4-Chlorophenyl-phenylether	760.	U
86-73-7	Fluorene	760.	U
100-01-6	4-Nitroaniline	3700.	U
534-52-1	4,6-Dinitro-2-methylphenol	3700.	U
86-30-6	N-Nitrosodiphenylamine (1)	760.	U
101-55-3	4-Bromophenyl-phenylether	760.	U
118-74-1	Hexachlorobenzene	760.	U
87-86-5	Pentachlorophenol	3700.	U
85-01-8	Phenanthrene	1100.	
120-12-7	Anthracene	240.	J
84-74-2	Di-n-butylphthalate	760.	U
206-44-0	Fluoranthene	1400.	
129-00-0	Pyrene	1200.	
85-68-7	Butylbenzylphthalate	760.	U
91-94-1	3,3'-Dichlorobenzidine	1500.	U
56-55-3	Benzo(a)anthracene	680.	J
218-01-9	Chrysene	1100.	
117-81-7	bis(2-Ethylhexyl)phthalate	760.	U
117-84-0	Di-n-Octyl_Phthalate	760.	U
205-99-2	Benzo(b)fluoranthene	850.	
207-08-9	Benzo(k)fluoranthene	790.	
50-32-8	Benzo(a)pyrene	590.	J
193-39-5	Indeno(1,2,3-cd)pyrene	530.	J
53-70-3	Dibenzo(a,h)anthracene	760.	U
191-24-2	Benzo(g,h,i)perylene	660.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5104

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 13 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/13/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.000000

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.31	6400.	
2.	Unknown	5.79	1400.	
3.	Unknown	6.18	5100.	
4.	Unknown	6.49	20000.	
5.	Unknown	6.70	380.	
6.	Unknown	8.22	7200.	
7.	Unknown	10.57	2400.	
8.	Unknown	23.76	420.	
9.	Unknown PAH	26.20	340.	
10.	Unknown	29.57	3500.	
11.	Unknown	31.50	820.	
12.	Unknown PAH	31.83	870.	
13.	Unknown alkane	33.70	1400.	
14.	Unknown alkane	36.78	900.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X111

Matrix (soil/water) soil Lab Sample ID: 200228-2

Level (low/med): Date Received: 7/31/91

% Solids: 87

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	14000		P	
7440-36-0	Antimony	9.4	U	P	
7440-38-2	Arsenic	11		BH	
7440-39-3	Barium	280		P	E
7440-41-7	Beryllium	2.0		P	
7440-43-9	Cadmium	3.3		P	
7440-70-2	Calcium	24000		P	
7440-47-3	Chromium	16		P	
7440-48-4	Cobalt	13		P	
7440-50-8	Copper	44		P	
7439-89-6	Iron	25000		P	
7439-92-1	Lead	470		P	
7439-95-4	Magnesium	9500		P	E
7439-96-5	Manganese	620		P	
7439-97-6	Mercury	0.097		CV	
7440-02-0	Nickel	28		P	
7440-09-7	Potassium	2900		P	
7782-49-2	Selenium	0.90	U	BH	N
7440-22-4	Silver	2.0	U	P	N
7440-23-5	Sodium	[290]	U	P	
7440-28-0	Thallium	1.0	U	F	N W
7440-62-2	Vanadium	30		P	
7440-66-6	Zinc	630		P	

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts: Yes (Grass)

RECEIVED
AUG 30 1991
IEPA/DLPC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-3

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0224

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/09/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-3

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >C0224

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/09/91

Column: PACK Dilution Factor: 1.00000

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. 76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.67	16.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-3RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H8286

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/13/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-3RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H8286

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 Date Analyzed: 8/13/91

Column: PACK Dilution Factor: 1.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	8.73	15.	
2.	76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.97	7.	
3.		Unknown	25.01	760.	
4.		Unknown	31.42	610.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5107

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.0 Date Analyzed: 8/13/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	770.	U
111-44-4	bis(2-Chloroethyl)ether	770.	U
95-57-8	2-Chlorophenol	770.	U
541-73-1	1,3-Dichlorobenzene	770.	U
106-46-7	1,4-Dichlorobenzene	770.	U
100-51-6	Benzyl alcohol	770.	U
95-50-1	1,2-Dichlorobenzene	770.	U
95-48-7	2-Methylphenol	770.	U
39638-32-9	bis(2-chloroisopropyl)ether	770.	U
106-44-5	4-Methylphenol	770.	U
621-64-7	N-Nitroso-Di-n-propylamine	770.	U
67-72-1	Hexachloroethane	770.	U
98-95-3	Nitrobenzene	770.	U
78-59-1	Isophorone	770.	U
88-75-5	2-Nitrophenol	770.	U
105-67-9	2,4-Dimethylphenol	770.	U
65-85-0	Benzoic acid	3700.	U
111-91-1	bis(2-Chloroethoxy)methane	770.	U
120-83-2	2,4-Dichlorophenol	770.	U
120-82-1	1,2,4-Trichlorobenzene	770.	U
91-20-3	Naphthalene	770.	U
106-47-8	4-Chloroaniline	770.	U
87-68-3	Hexachlorobutadiene	770.	U
59-50-7	4-Chloro-3-methylphenol	770.	U
91-57-6	2-Methylnaphthalene	770.	U
77-47-4	Hexachlorocyclopentadiene	770.	U
88-06-2	2,4,6-Trichlorophenol	770.	U
95-95-4	2,4,5-Trichlorophenol	3700.	U
91-58-7	2-Chloronaphthalene	770.	U
88-74-4	2-Nitroaniline	3700.	U
131-11-3	Dimethylphthalate	770.	U
208-96-8	Acenaphthylene	770.	U
606-20-2	2,6-Dinitrotoluene	770.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5107

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.0 Date Analyzed: 8/13/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3700.	U
83-32-9	Acenaphthene	770.	U
51-28-5	2,4-Dinitrophenol	3700.	U
100-02-7	4-Nitrophenol	3700.	U
132-64-9	Dibenzofuran	770.	U
121-14-2	2,4-Dinitrotoluene	770.	U
84-66-2	Diethylphthalate	770.	U
7005-72-3	4-Chlorophenyl-phenylether	770.	U
86-73-7	Fluorene	770.	U
100-01-6	4-Nitroaniline	3700.	U
534-52-1	4,6-Dinitro-2-methylphenol	3700.	U
86-30-6	N-Nitrosodiphenylamine (1)	770.	U
101-55-3	4-Bromophenyl-phenylether	770.	U
118-74-1	Hexachlorobenzene	770.	U
87-86-5	Pentachlorophenol	3700.	U
85-01-8	Phenanthrene	770.	U
120-12-7	Anthracene	770.	U
84-74-2	Di-n-butylphthalate	770.	U
206-44-0	Fluoranthene	770.	U
129-00-0	Pyrene	770.	U
85-68-7	Butylbenzylphthalate	770.	U
91-94-1	3,3'-Dichlorobenzidine	1500.	U
56-55-3	Benzo(a)anthracene	770.	U
218-01-9	Chrysene	770.	U
117-81-7	bis(2-Ethylhexyl)phthalate	770.	U
117-84-0	Di-n-Octyl_Phthalate	770.	U
205-99-2	Benzo(b)fluoranthene	770.	U
207-08-9	Benzo(k)fluoranthene	770.	U
50-32-8	Benzo(a)pyrene	770.	U
193-39-5	Indeno(1,2,3-cd)pyrene	770.	U
53-70-3	Dibenzo(a,h)anthracene	770.	U
191-24-2	Benzo(g,h,i)perylene	770.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >B5107

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 14 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/13/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.000000

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

Number TICs found: 13

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.29	2700.	
2.		Unknown	5.79	1900.	
3.		Unknown	6.17	1200.	
4.		Unknown	6.29	800.	
5.		Unknown	6.51	28000.	
6.		Unknown	8.22	930.	
7.		Unknown	8.80	330.	
8.		Unknown	10.57	2400.	
9.		Unknown	27.76	350.	
10.		Unknown	29.57	5000.	
11.		Unknown	29.84	420.	
12.		Unknown	31.50	1400.	
13.		Unknown alkane	33.70	2100.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X112

Matrix (soil/water) soil Lab Sample ID: 200228-3

Level (low/med): Date Received: 7/31/91

% Solids: 86

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	21000		P	
7440-36-0	Antimony	10	U	P	
7440-38-2	Arsenic	7.8		BH	
7440-39-3	Barium	230		P	E
7440-41-7	Beryllium	1.7		P	
7440-43-9	Cadmium	0.84		P	
7440-70-2	Calcium	5300		P	
7440-47-3	Chromium	7.0		P	
7440-48-4	Cobalt	14		P	
7440-50-8	Copper	25		P	
7439-89-6	Iron	24000		P	
7439-92-1	Lead	120		P	
7439-95-4	Magnesium	4800		P	E
7439-96-5	Manganese	720		P	
7439-97-6	Mercury	0.073	U	CV	
7440-02-0	Nickel	27		P	
7440-09-7	Potassium	3700		P	
7782-49-2	Selenium	1.0	U	BH	N
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	[120]		P	
7440-28-0	Thallium	1.1	U	F	N W
7440-62-2	Vanadium	30		P	
7440-66-6	Zinc	170		P	

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0271

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 Date Analyzed: 8/13/91

Column: (pack/cap) PACK Dilution Factor: 10.0000

Final extract Volume: 10000.0(uL) Conversion Factor: 1.0000

Aliquot Volume: 10.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	19000.	U
74-83-9	Bromomethane	19000.	U
75-01-4	Vinyl Chloride	19000.	U
75-00-3	Chloroethane	19000.	U
75-09-2	Methylene Chloride	51000.	B
67-64-1	Acetone	19000.	U
75-15-0	Carbon Disulfide	9600.	U
75-35-4	1,1-Dichloroethene	9600.	U
75-34-3	1,1-Dichloroethane	9600.	U
540-59-0	1,2-Dichloroethene (total)	9600.	U
67-66-3	Chloroform	9600.	U
107-06-2	1,2-Dichloroethane	9600.	U
78-93-3	2-Butanone	19000.	U
71-55-6	1,1,1-Trichloroethane	9600.	U
56-23-5	Carbon Tetrachloride	9600.	U
108-05-4	Vinyl Acetate	19000.	U
75-27-4	Bromodichloromethane	9600.	U
78-87-5	1,2-Dichloropropane	9600.	U
10061-01-5	cis-1,3-Dichloropropene	9600.	U
79-01-6	Trichloroethene	9600.	U
124-48-1	Dibromochloromethane	9600.	U
79-00-5	1,1,2-Trichloroethane	9600.	U
71-43-2	Benzene	150000.	
10061-02-6	trans-1,3-Dichloropropene	9600.	U
75-25-2	Bromoform	9600.	U
108-10-1	4-Methyl-2-Pentanone	19000.	U
591-78-6	2-Hexanone	19000.	U
127-18-4	Tetrachloroethene	9600.	U
79-34-5	1,1,2,2-Tetrachloroethane	9600.	U
108-88-3	Toluene	180000.	
108-90-7	Chlorobenzene	9600.	U
100-41-4	Ethylbenzene	92000.	
100-42-5	Styrene	9600.	U
1330-20-7	Xylene (total)	280000.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0271

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 Date Analyzed: 8/13/91

Column: PACK Dilution Factor: 10.0000

Soil extract Volume: 10000.0(uL) Soil Aliquot Volume: 10.0 (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	14.11	19000.	
2.	Unknown	32.16	15000.	
3.	Unknown	37.08	260000.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5150

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.8 Date Analyzed: 8/15/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 100.0000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	3200000.	J
111-44-4	bis(2-Chloroethyl)ether	3800000.	U
95-57-8	2-Chlorophenol	3800000.	U
541-73-1	1,3-Dichlorobenzene	3800000.	U
106-46-7	1,4-Dichlorobenzene	3800000.	U
100-51-6	Benzyl alcohol	3800000.	U
95-50-1	1,2-Dichlorobenzene	3800000.	U
95-48-7	2-Methylphenol	940000.	J
39638-32-9	bis(2-chloroisopropyl)ether	3800000.	U
106-44-5	4-Methylphenol	3800000.	U
621-64-7	N-Nitroso-Di-n-propylamine	3800000.	U
67-72-1	Hexachloroethane	3800000.	U
98-95-3	Nitrobenzene	3800000.	U
78-59-1	Isophorone	3800000.	U
88-75-5	2-Nitrophenol	3800000.	U
105-67-9	2,4-Dimethylphenol	3800000.	U
65-85-0	Benzoic acid	18000000.	U
111-91-1	bis(2-Chloroethoxy)methane	3800000.	U
120-83-2	2,4-Dichlorophenol	3800000.	U
120-82-1	1,2,4-Trichlorobenzene	3800000.	U
91-20-3	Naphthalene	100000000.	E
106-47-8	4-Chloroaniline	3800000.	U
87-68-3	Hexachlorobutadiene	3800000.	U
59-50-7	4-Chloro-3-methylphenol	3800000.	U
91-57-6	2-Methylnaphthalene	20000000.	
77-47-4	Hexachlorocyclopentadiene	3800000.	U
88-06-2	2,4,6-Trichlorophenol	3800000.	U
95-95-4	2,4,5-Trichlorophenol	18000000.	U
91-58-7	2-Chloronaphthalene	3800000.	U
88-74-4	2-Nitroaniline	18000000.	U
131-11-3	Dimethylphthalate	3800000.	U
208-96-8	Acenaphthylene	2000000.	J
606-20-2	2,6-Dinitrotoluene	3800000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5150

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.8 Date Analyzed: 8/15/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 100.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	18000000.	U
83-32-9	Acenaphthene	31000000.	
51-28-5	2,4-Dinitrophenol	18000000.	U
100-02-7	4-Nitrophenol	18000000.	U
132-64-9	Dibenzofuran	23000000.	
121-14-2	2,4-Dinitrotoluene	3800000.	U
84-66-2	Diethylphthalate	3800000.	U
7005-72-3	4-Chlorophenyl-phenylether	3800000.	U
86-73-7	Fluorene	35000000.	
100-01-6	4-Nitroaniline	18000000.	U
534-52-1	4,6-Dinitro-2-methylphenol	18000000.	U
86-30-6	N-Nitrosodiphenylamine (1)	3800000.	U
101-55-3	4-Bromophenyl-phenylether	3800000.	U
118-74-1	Hexachlorobenzene	3800000.	U
87-86-5	Pentachlorophenol	18000000.	U
85-01-8	Phenanthrene	94000000.	E
120-12-7	Anthracene	86000000.	E
84-74-2	Di-n-butylphthalate	3800000.	U
206-44-0	Fluoranthene	46000000.	
129-00-0	Pyrene	31000000.	
85-68-7	Butylbenzylphthalate	3800000.	U
91-94-1	3,3'-Dichlorobenzidine	7600000.	U
56-55-3	Benzo(a)anthracene	8600000.	
218-01-9	Chrysene	11000000.	
117-81-7	bis(2-Ethylhexyl)phthalate	3800000.	U
117-84-0	Di-n-Octyl_Phthalate	3800000.	U
205-99-2	Benzo(b)fluoranthene	3200000.	J
207-08-9	Benzo(k)fluoranthene	3800000.	J
50-32-8	Benzo(a)pyrene	3900000.	
193-39-5	Indeno(1,2,3-cd)pyrene	1800000.	J
53-70-3	Dibenzo(a,h)anthracene	3800000.	U
191-24-2	Benzo(g,h,i)perylene	1700000.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5150

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/15/91

Injection Volume: 1.0000 (ul) Dilution Factor: 100.0000

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 17

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	827543	Naphthalene, 2-ethenyl-	16.33	5400000.	
2.		Naphthalene, dimethyl-	16.71	2500000.	
3.		Naphthalene, dimethyl-	16.92	2400000.	
4.		Unknown	19.39	3000000.	
5.	7320538	Dibenzofuran, 4-methyl-	19.61	2200000.	
6.		Unknown	19.78	3700000.	
7.		Unknown PAH	20.30	3000000.	
8.	132650	Dibenzothiophene	21.25	6500000.	
9.	86748	9H- Carbazole	22.17	38000000.	
10.		Unknown PAH	22.84	4000000.	
11.		Unknown PAH	22.90	4900000.	
12.		Unknown PAH	23.00	3900000.	
13.		Unknown	23.12	11000000.	
14.		Unknown	23.62	3900000.	
15.		Unknown PAH	26.09	3300000.	
16.		Unknown PAH	26.25	3100000.	
17.		Unknown PAH	31.68	2200000.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113DL

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5164

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.8 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	38000000.	U D
111-44-4	bis(2-Chloroethyl)ether	38000000.	U D
95-57-8	2-Chlorophenol	38000000.	U D
541-73-1	1,3-Dichlorobenzene	38000000.	U D
106-46-7	1,4-Dichlorobenzene	38000000.	U D
100-51-6	Benzyl alcohol	38000000.	U D
95-50-1	1,2-Dichlorobenzene	38000000.	U D
95-48-7	2-Methylphenol	38000000.	U D
39638-32-9	bis(2-chloroisopropyl)ether	38000000.	U D
106-44-5	4-Methylphenol	38000000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	38000000.	U D
67-72-1	Hexachloroethane	38000000.	U D
98-95-3	Nitrobenzene	38000000.	U D
78-59-1	Isophorone	38000000.	U D
88-75-5	2-Nitrophenol	38000000.	U D
105-67-9	2,4-Dimethylphenol	38000000.	U D
65-85-0	Benzoic acid	180000000.	U D
111-91-1	bis(2-Chloroethoxy)methane	38000000.	U D
120-83-2	2,4-Dichlorophenol	38000000.	U D
120-82-1	1,2,4-Trichlorobenzene	38000000.	U D
91-20-3	Naphthalene	110000000.	D
106-47-8	4-Chloroaniline	38000000.	U D
87-68-3	Hexachlorobutadiene	38000000.	U D
59-50-7	4-Chloro-3-methylphenol	38000000.	U D
91-57-6	2-Methylnaphthalene	18000000.	J D
77-47-4	Hexachlorocyclopentadiene	38000000.	U D
88-06-2	2,4,6-Trichlorophenol	38000000.	U D
95-95-4	2,4,5-Trichlorophenol	180000000.	U D
91-58-7	2-Chloronaphthalene	38000000.	U D
88-74-4	2-Nitroaniline	180000000.	U D
131-11-3	Dimethylphthalate	38000000.	U D
208-96-8	Acenaphthylene	38000000.	U D
606-20-2	2,6-Dinitrotoluene	38000000.	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113DL

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5164

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.8 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	180000000.	U D
83-32-9	Acenaphthene	28000000.	J D
51-28-5	2,4-Dinitrophenol	180000000.	U D
100-02-7	4-Nitrophenol	180000000.	U D
132-64-9	Dibenzofuran	20000000.	J D
121-14-2	2,4-Dinitrotoluene	38000000.	U D
84-66-2	Diethylphthalate	38000000.	U D
7005-72-3	4-Chlorophenyl-phenylether	38000000.	U D
86-73-7	Fluorene	29000000.	J D
100-01-6	4-Nitroaniline	180000000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	180000000.	U D
86-30-6	N-Nitrosodiphenylamine (1)	38000000.	U D
101-55-3	4-Bromophenyl-phenylether	38000000.	U D
118-74-1	Hexachlorobenzene	38000000.	U D
87-86-5	Pentachlorophenol	180000000.	U D
85-01-8	Phenanthrene	97000000.	D
120-12-7	Anthracene	85000000.	D
84-74-2	Di-n-butylphthalate	38000000.	U D
206-44-0	Fluoranthene	43000000.	D
129-00-0	Pyrene	31000000.	J D
85-68-7	Butylbenzylphthalate	38000000.	U D
91-94-1	3,3'-Dichlorobenzidine	76000000.	U D
56-55-3	Benzo(a)anthracene	38000000.	U D
218-01-9	Chrysene	10000000.	J D
117-81-7	bis(2-Ethylhexyl)phthalate	38000000.	U D
117-84-0	Di-n-Octyl_Phthalate	38000000.	U D
205-99-2	Benzo(b)fluoranthene	38000000.	U D
207-08-9	Benzo(k)fluoranthene	38000000.	U D
50-32-8	Benzo(a)pyrene	38000000.	U D
193-39-5	Indeno(1,2,3-cd)pyrene	38000000.	U D
53-70-3	Dibenzo(a,h)anthracene	38000000.	U D
191-24-2	Benzo(g,h,i)perylene	38000000.	U D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113DL

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-4DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5164

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 48 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/16/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1000.000

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	22.06	30000000.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X113

Matrix (soil/water) sludge Lab Sample ID: 200228-4

Level (low/med): Date Received: 7/31/91

% Solids: 52

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	1200		P	
7440-36-0	Antimony	17	U	P	N
7440-38-2	Arsenic	11		BH	
7440-39-3	Barium	[17]		P	E
7440-41-7	Beryllium	1.4	U	P	
7440-43-9	Cadmium	5.0		P	N
7440-70-2	Calcium	2100		P	*
7440-47-3	Chromium	10		P	N E
7440-48-4	Cobalt	2.4	U	P	
7440-50-8	Copper	16		P	N
7439-89-6	Iron	2400		P	
7439-92-1	Lead	290		P	N E
7439-95-4	Magnesium	[620]		P	* E
7439-96-5	Manganese	67		P	
7439-97-6	Mercury	3.3		CV	N
7440-02-0	Nickel	10	U	P	
7440-09-7	Potassium	[770]		P	
7782-49-2	Selenium	2.0		BH	N
7440-22-4	Silver	[3.5]		P	N
7440-23-5	Sodium	[420]		P	
7440-28-0	Thallium	8.7	U	F	E
7440-62-2	Vanadium	[4.7]		P	N E
7440-66-6	Zinc	340		P	* E

Color Before: Black Clarity Before: Opaque Texture:

Color After: Yellow Clarity After: Clear Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H8260

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/11/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H8260

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/11/91

Column: PACK Dilution Factor: 1.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.58	32.	
2.	Unknown	10.32	6.	
3.	Unknown	11.21	9.	
4.	Unknown	11.41	16.	
5. 76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	14.00	37.	
6.	Unknown	21.76	8.	
7.	Unknown	24.93	6.	
8.	Unknown	26.79	16.	
9.	Unknown	28.77	6.	
10.	Unknown	31.41	88.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H8325

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/15/91

Column: (pack/cap) PACK Dilution Factor: 1.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

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	42.	B
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	16.	
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H8325

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/15/91

Column: PACK Dilution Factor: 1.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.63	12.	
2. 76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.98	24.	
3.	Unknown	26.17	9.	
4.	Unknown	27.33	9.	
5.	Unknown	31.73	45.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114DL

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >C0225

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/09/91

Column: (pack/cap) PACK Dilution Factor: 5.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	52.	U D
74-83-9	Bromomethane	52.	U D
75-01-4	Vinyl Chloride	52.	U D
75-00-3	Chloroethane	52.	U D
75-09-2	Methylene Chloride	41.	BD
67-64-1	Acetone	52.	U D
75-15-0	Carbon Disulfide	26.	U D
75-35-4	1,1-Dichloroethene	26.	U D
75-34-3	1,1-Dichloroethane	26.	U D
540-59-0	1,2-Dichloroethene (total)	26.	U D
67-66-3	Chloroform	26.	U D
107-06-2	1,2-Dichloroethane	26.	U D
78-93-3	2-Butanone	52.	U D
71-55-6	1,1,1-Trichloroethane	26.	U D
56-23-5	Carbon Tetrachloride	26.	U D
108-05-4	Vinyl Acetate	52.	U D
75-27-4	Bromodichloromethane	26.	U D
78-87-5	1,2-Dichloropropane	26.	U D
10061-01-5	cis-1,3-Dichloropropene	26.	U D
79-01-6	Trichloroethene	26.	U D
124-48-1	Dibromochloromethane	26.	U D
79-00-5	1,1,2-Trichloroethane	26.	U D
71-43-2	Benzene	26.	U D
10061-02-6	trans-1,3-Dichloropropene	26.	U D
75-25-2	Bromoform	26.	U D
108-10-1	4-Methyl-2-Pentanone	52.	U D
591-78-6	2-Hexanone	52.	U D
127-18-4	Tetrachloroethene	26.	U D
79-34-5	1,1,2,2-Tetrachloroethane	26.	U D
108-88-3	Toluene	26.	U D
108-90-7	Chlorobenzene	26.	U D
100-41-4	Ethylbenzene	26.	U D
100-42-5	Styrene	26.	U D
1330-20-7	Xylene (total)	26.	U D

RECEIVED
AUG 30 1991
EPA/DLPC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114DL

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >C0225

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 4 Date Analyzed: 8/09/91

Column: PACK Dilution Factor: 5.00000

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.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	13.68	57.	D
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5170

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 4 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.0 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 10.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	410000.	U
111-44-4	bis(-2-Chloroethyl)ether	410000.	U
95-57-8	2-Chlorophenol	410000.	U
541-73-1	1,3-Dichlorobenzene	410000.	U
106-46-7	1,4-Dichlorobenzene	410000.	U
100-51-6	Benzyl alcohol	410000.	U
95-50-1	1,2-Dichlorobenzene	410000.	U
95-48-7	2-Methylphenol	410000.	U
39638-32-9	bis(2-chloroisopropyl)ether	410000.	U
106-44-5	4-Methylphenol	410000.	U
621-64-7	N-Nitroso-Di-n-propylamine	410000.	U
67-72-1	Hexachloroethane	410000.	U
98-95-3	Nitrobenzene	410000.	U
78-59-1	Isophorone	410000.	U
88-75-5	2-Nitrophenol	410000.	U
105-67-9	2,4-Dimethylphenol	410000.	U
65-85-0	Benzoic acid	2000000.	U
111-91-1	bis(-2-Chloroethoxy)methane	410000.	U
120-83-2	2,4-Dichlorophenol	410000.	U
120-82-1	1,2,4-Trichlorobenzene	410000.	U
91-20-3	Naphthalene	110000.	J
106-47-8	4-Chloroaniline	410000.	U
87-68-3	Hexachlorobutadiene	410000.	U
59-50-7	4-Chloro-3-methylphenol	410000.	U
91-57-6	2-Methylnaphthalene	410000.	U
77-47-4	Hexachlorocyclopentadiene	410000.	U
88-06-2	2,4,6-Trichlorophenol	410000.	U
95-95-4	2,4,5-Trichlorophenol	2000000.	U
91-58-7	2-Chloronaphthalene	410000.	U
88-74-4	2-Nitroaniline	2000000.	U
131-11-3	Dimethyl Phthalate	410000.	U
208-96-8	Acenaphthylene	73000.	J
606-20-2	2,6-Dinitrotoluene	410000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-5

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5170

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 4 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 7.0 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 10.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	2000000.	U
83-32-9	Acenaphthene	130000.	J
51-28-5	2,4-Dinitrophenol	2000000.	U
100-02-7	4-Nitrophenol	2000000.	U
132-64-9	Dibenzofuran	410000.	U
121-14-2	2,4-Dinitrotoluene	410000.	U
84-66-2	Diethylphthalate	410000.	U
7005-72-3	4-Chlorophenyl-phenylether	410000.	U
86-73-7	Fluorene	110000.	J
100-01-6	4-Nitroaniline	2000000.	U
534-52-1	4,6-Dinitro-2-methylphenol	2000000.	U
86-30-6	N-Nitrosodiphenylamine (1)	410000.	U
101-55-3	4-Bromophenyl-phenylether	410000.	U
118-74-1	Hexachlorobenzene	410000.	U
87-86-5	Pentachlorophenol	2000000.	U
85-01-8	Phenanthrene	980000.	
120-12-7	Anthracene	400000.	J
84-74-2	Di-n-butylphthalate	410000.	U
206-44-0	Fluoranthene	1900000.	
129-00-0	Pyrene	1500000.	
85-68-7	Butylbenzylphthalate	410000.	U
91-94-1	3,3'-Dichlorobenzidine	820000.	U
56-55-3	Benzo(a)anthracene	890000.	
218-01-9	Chrysene	1400000.	
117-81-7	bis(2-Ethylhexyl)phthalate	410000.	U
117-84-0	Di-n-Octyl_Phthalate	410000.	U
205-99-2	Benzo(b)fluoranthene	1100000.	
207-08-9	Benzo(k)fluoranthene	1000000.	
50-32-8	Benzo(a)pyrene	1000000.	
193-39-5	Indeno(1,2,3-cd)pyrene	860000.	
53-70-3	Dibenzo(a,h)anthracene	410000.	U
191-24-2	Benzo(g,h,i)perylene	800000.	

(1) - Cannot be separated from Diphenylamine

RECEIVED
AUG 30 1991
IEPA/DLPC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

b Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) WASTE Lab Sample ID: 200228-5

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5170

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. ----- dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/16/91

Injection Volume: 1.0000 (ul) Dilution Factor: 10.00000

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

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	23.03	180000.	
2.	Unknown PAH	26.00	190000.	
3.	Unknown	27.68	190000.	
4.	Unknown PAH	28.49	160000.	
5.	Unknown	29.38	170000.	
6.	Unknown PAH	31.10	240000.	
7.	Unknown PAH	31.55	700000.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X114

Matrix (soil/water) soil Lab Sample ID: 200228-5

Level (low/med): Date Received: 7/31/91

% Solids: 96

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	25000		P	
7440-36-0	Antimony	8.6	U	P	
7440-38-2	Arsenic	18		BH	
7440-39-3	Barium	120		P	E
7440-41-7	Beryllium	2.2		P	
7440-43-9	Cadmium	3.1		P	
7440-70-2	Calcium	38000		P	
7440-47-3	Chromium	72		P	
7440-48-4	Cobalt	14		P	
7440-50-8	Copper	78		P	
7439-89-6	Iron	37000		P	
7439-92-1	Lead	530		P	
7439-95-4	Magnesium	4200		P	E
7439-96-5	Manganese	930		P	
7439-97-6	Mercury	0.30		CV	
7440-02-0	Nickel	26		P	
7440-09-7	Potassium	1600		P	
7782-49-2	Selenium	1.9		BH	N
7440-22-4	Silver	1.8	U	P	N
7440-23-5	Sodium	[630]		P	
7440-28-0	Thallium	2.8		F	N
7440-62-2	Vanadium	58		P	
7440-66-6	Zinc	590		P	

Color Before: Brown Clarity Before: Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts: Yes(Grass)

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-6RE

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0276

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 27 Date Analyzed: 8/13/91

Column: (pack/cap) PACK Dilution Factor: 10.0000

Final extract Volume: 10000.0(uL) Conversion Factor: 1.0000

Aliquot Volume: 10.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	14000.	U
74-83-9	Bromomethane	14000.	U
75-01-4	Vinyl Chloride	14000.	U
75-00-3	Chloroethane	14000.	U
75-09-2	Methylene Chloride	8100.	JB
67-64-1	Acetone	14000.	U
75-15-0	Carbon Disulfide	6800.	U
75-35-4	1,1-Dichloroethene	6800.	U
75-34-3	1,1-Dichloroethane	6800.	U
540-59-0	1,2-Dichloroethene (total)	6800.	U
67-66-3	Chloroform	6800.	U
107-06-2	1,2-Dichloroethane	6800.	U
78-93-3	2-Butanone	14000.	U
71-55-6	1,1,1-Trichloroethane	6800.	U
56-23-5	Carbon Tetrachloride	6800.	U
108-05-4	Vinyl Acetate	14000.	U
75-27-4	Bromodichloromethane	6800.	U
78-87-5	1,2-Dichloropropane	6800.	U
10061-01-5	cis-1,3-Dichloropropene	6800.	U
79-01-6	Trichloroethene	6800.	U
124-48-1	Dibromochloromethane	6800.	U
79-00-5	1,1,2-Trichloroethane	6800.	U
71-43-2	Benzene	6800.	U
10061-02-6	trans-1,3-Dichloropropene	6800.	U
75-25-2	Bromoform	6800.	U
108-10-1	4-Methyl-2-Pentanone	14000.	U
591-78-6	2-Hexanone	14000.	U
127-18-4	Tetrachloroethene	6800.	U
79-34-5	1,1,2,2-Tetrachloroethane	6800.	U
108-88-3	Toluene	93000.	
108-90-7	Chlorobenzene	6800.	U
100-41-4	Ethylbenzene	6800.	U
100-42-5	Styrene	6800.	U
1330-20-7	Xylene (total)	6800.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X115RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-6RE

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0276

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 27 Date Analyzed: 8/13/91

Column: PACK Dilution Factor: 10.0000

Soil extract Volume: 10000.0 (uL) Soil Aliquot Volume: 10.0 (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	Ethane, 1,1,2-trichloro-	14.13	14000.	
2.	1,2,2-trifluoro- Unknown	28.06	29000000.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-6

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5187

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 27 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.8 Date Analyzed: 8/17/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 10.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	540000.	U
111-44-4	bis(-2-Chloroethyl)ether	540000.	U
95-57-8	2-Chlorophenol	540000.	U
541-73-1	1,3-Dichlorobenzene	540000.	U
106-46-7	1,4-Dichlorobenzene	540000.	U
100-51-6	Benzyl alcohol	540000.	U
95-50-1	1,2-Dichlorobenzene	540000.	U
95-48-7	2-Methylphenol	540000.	U
39638-32-9	bis(2-chloroisopropyl)ether	540000.	U
106-44-5	4-Methylphenol	540000.	U
621-64-7	N-Nitroso-Di-n-propylamine	540000.	U
67-72-1	Hexachloroethane	540000.	U
98-95-3	Nitrobenzene	540000.	U
78-59-1	Isophorone	540000.	U
88-75-5	2-Nitrophenol	540000.	U
105-67-9	2,4-Dimethylphenol	540000.	U
65-85-0	Benzoic acid	2600000.	U
111-91-1	bis(-2-Chloroethoxy)methane	540000.	U
120-83-2	2,4-Dichlorophenol	540000.	U
120-82-1	1,2,4-Trichlorobenzene	540000.	U
91-20-3	Naphthalene	540000.	U
106-47-8	4-Chloroaniline	540000.	U
87-68-3	Hexachlorobutadiene	540000.	U
59-50-7	4-Chloro-3-methylphenol	540000.	U
91-57-6	2-Methylnaphthalene	540000.	U
77-47-4	Hexachlorocyclopentadiene	540000.	U
88-06-2	2,4,6-Trichlorophenol	540000.	U
95-95-4	2,4,5-Trichlorophenol	2600000.	U
91-58-7	2-Chloronaphthalene	540000.	U
88-74-4	2-Nitroaniline	2600000.	U
131-11-3	Dimethyl Phthalate	540000.	U
208-96-8	Acenaphthylene	540000.	U
606-20-2	2,6-Dinitrotoluene	540000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

b Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-6

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5187

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 27 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.8 Date Analyzed: 8/17/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 10.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	2600000.	U
83-32-9	Acenaphthene	540000.	U
51-28-5	2,4-Dinitrophenol	2600000.	U
100-02-7	4-Nitrophenol	2600000.	U
132-64-9	Dibenzofuran	540000.	U
121-14-2	2,4-Dinitrotoluene	540000.	U
84-66-2	Diethylphthalate	540000.	U
7005-72-3	4-Chlorophenyl-phenylether	540000.	U
86-73-7	Fluorene	540000.	U
100-01-6	4-Nitroaniline	2600000.	U
534-52-1	4,6-Dinitro-2-methylphenol	2600000.	U
86-30-6	N-Nitrosodiphenylamine (1)	540000.	U
101-55-3	4-Bromophenyl-phenylether	540000.	U
118-74-1	Hexachlorobenzene	540000.	U
87-86-5	Pentachlorophenol	2800000.	
85-01-8	Phenanthrene	540000.	U
120-12-7	Anthracene	540000.	U
84-74-2	Di-n-butylphthalate	540000.	U
206-44-0	Fluoranthene	540000.	U
129-00-0	Pyrene	540000.	U
85-68-7	Butylbenzylphthalate	540000.	U
91-94-1	3,3'-Dichlorobenzidine	1100000.	U
56-55-3	Benzo(a)anthracene	540000.	U
218-01-9	Chrysene	540000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	540000.	U
117-84-0	Di-n-Octyl_Phthalate	540000.	U
205-99-2	Benzo(b)fluoranthene	540000.	U
207-08-9	Benzo(k)fluoranthene	540000.	U
50-32-8	Benzo(a)pyrene	540000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	540000.	U
53-70-3	Dibenzo(a,h)anthracene	540000.	U
191-24-2	Benzo(g,h,i)perylene	540000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X115

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-6

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5187

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 27 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/17/91

Injection Volume: 1.0000 (ul) Dilution Factor: 10.00000

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	10.90	2400000.	
2.	Unknown alkane	11.02	2400000.	
3.	Unknown	11.28	1800000.	
4.	Unknown	11.41	1400000.	
5.	Unknown	11.69	11000000.	
6. 2958761	Naphthalene, decahydro- 2-methyl-	11.94	1500000.	
7.	Unknown	12.08	770000.	
8.	Unknown alkane	12.15	1200000.	
9.	Unknown	12.24	1500000.	
10.	Unknown cycloalkane	12.32	1100000.	
11.	Unknown	12.38	780000.	
12.	Unknown alkane	12.62	1800000.	
13.	Unknown alkane	12.69	1000000.	
14.	Unknown alkane	12.76	1500000.	
15.	Unknown alkane	12.87	1000000.	
16.	Unknown alkane	13.35	3800000.	
17.	Unknown	23.45	920000.	
18. 54833486	Heptadecane, 2,6,10,15- tetramethyl-	24.44	1400000.	
19. 629970	Docosane	25.39	1200000.	
20.	Unknown alkane	26.31	800000.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X115

Matrix (soil/water) sludge Lab Sample ID: 200228-6

Level (low/med): Date Received: 7/31/91

% Solids: 73

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	9500		P	
7440-36-0	Antimony	6.6	U	P	N
7440-38-2	Arsenic	6.2		BH	
7440-39-3	Barium	290		P	
7440-41-7	Beryllium	2.1		P	
7440-43-9	Cadmium	1.4		P	N
7440-70-2	Calcium	32000		P	*
7440-47-3	Chromium	25		P	N E
7440-48-4	Cobalt	8.4		P	
7440-50-8	Copper	61		P	N
7439-89-6	Iron	25000		P	
7439-92-1	Lead	190		P	N E
7439-95-4	Magnesium	5000		P	* E
7439-96-5	Manganese	840		P	
7439-97-6	Mercury	0.088		CV	N
7440-02-0	Nickel	46		P	
7440-09-7	Potassium	710		P	
7782-49-2	Selenium	0.64	U	BH	N
7440-22-4	Silver	1.4	U	P	N
7440-23-5	Sodium	[480]		P	
7440-28-0	Thallium	0.71	U	F	
7440-62-2	Vanadium	23		P	N E
7440-66-6	Zinc	4000		P	* E

Color Before: Black Clarity Before: Texture: Fine

Color After: Orange Clarity After: Clear Artifacts: No

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X116

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >H8284

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 57 Date Analyzed: 8/13/91

Column: (pack/cap) PACK Dilution Factor: 5.00000

Final extract Volume: -- (uL) Conversion Factor: 1.0000

Aliquot Volume: -- (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	120.	U
74-83-9	Bromomethane	120.	U
75-01-4	Vinyl Chloride	120.	U
75-00-3	Chloroethane	120.	U
75-09-2	Methylene Chloride	140.	B
67-64-1	Acetone	120.	U
75-15-0	Carbon Disulfide	58.	U
75-35-4	1,1-Dichloroethene	58.	U
75-34-3	1,1-Dichloroethane	58.	U
540-59-0	1,2-Dichloroethene (total)	58.	U
67-66-3	Chloroform	58.	U
107-06-2	1,2-Dichloroethane	58.	U
78-93-3	2-Butanone	120.	U
71-55-6	1,1,1-Trichloroethane	58.	U
56-23-5	Carbon Tetrachloride	58.	U
108-05-4	Vinyl Acetate	120.	U
75-27-4	Bromodichloromethane	58.	U
78-87-5	1,2-Dichloropropane	58.	U
10061-01-5	cis-1,3-Dichloropropene	58.	U
79-01-6	Trichloroethene	58.	U
124-48-1	Dibromochloromethane	58.	U
79-00-5	1,1,2-Trichloroethane	58.	U
71-43-2	Benzene	120.	
10061-02-6	trans-1,3-Dichloropropene	58.	U
75-25-2	Bromoform	58.	U
108-10-1	4-Methyl-2-Pentanone	120.	U
591-78-6	2-Hexanone	120.	U
127-18-4	Tetrachloroethene	58.	U
79-34-5	1,1,2,2-Tetrachloroethane	58.	U
108-88-3	Toluene	470.	
108-90-7	Chlorobenzene	58.	U
100-41-4	Ethylbenzene	280.	
100-42-5	Styrene	58.	U
1330-20-7	Xylene (total)	2200.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X116

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >H8284

Level: (low/med) LOW Date Received: 7/31/91

% Moisture: not dec. 57 Date Analyzed: 8/13/91

Column: PACK Dilution Factor: 5.00000

Soil extract Volume: --- (uL) Soil Aliquot Volume: --- (uL)

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.82	79.	
2.	Unknown	23.10	300.	
3.	Unknown	26.24	250.	
4.	Unknown	34.48	2000.	
5.	Unknown	38.41	3800.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X116

b Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5173

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 57 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.3 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	92000.	U
111-44-4	bis(-2-Chloroethyl)ether	92000.	U
95-57-8	2-Chlorophenol	92000.	U
541-73-1	1,3-Dichlorobenzene	92000.	U
106-46-7	1,4-Dichlorobenzene	92000.	U
100-51-6	Benzyl alcohol	92000.	U
95-50-1	1,2-Dichlorobenzene	92000.	U
95-48-7	2-Methylphenol	92000.	U
39638-32-9	bis(2-chloroisopropyl)ether	92000.	U
106-44-5	4-Methylphenol	92000.	U
621-64-7	N-Nitroso-Di-n-propylamine	92000.	U
67-72-1	Hexachloroethane	92000.	U
98-95-3	Nitrobenzene	92000.	U
78-59-1	Isophorone	92000.	U
88-75-5	2-Nitrophenol	92000.	U
105-67-9	2,4-Dimethylphenol	92000.	U
65-85-0	Benzoic acid	450000.	U
111-91-1	bis(-2-Chloroethoxy)methane	92000.	U
120-83-2	2,4-Dichlorophenol	92000.	U
120-82-1	1,2,4-Trichlorobenzene	92000.	U
91-20-3	Naphthalene	170000.	
106-47-8	4-Chloroaniline	92000.	U
87-68-3	Hexachlorobutadiene	92000.	U
59-50-7	4-Chloro-3-methylphenol	92000.	U
91-57-6	2-Methylnaphthalene	220000.	
77-47-4	Hexachlorocyclopentadiene	92000.	U
88-06-2	2,4,6-Trichlorophenol	92000.	U
95-95-4	2,4,5-Trichlorophenol	450000.	U
91-58-7	2-Chloronaphthalene	92000.	U
88-74-4	2-Nitroaniline	450000.	U
131-11-3	Dimethyl Phthalate	92000.	U
208-96-8	Acenaphthylene	92000.	U
606-20-2	2,6-Dinitrotoluene	92000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X116

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5173

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 57 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.3 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	450000.	U
83-32-9	Acenaphthene	190000.	
51-28-5	2,4-Dinitrophenol	450000.	U
100-02-7	4-Nitrophenol	450000.	U
132-64-9	Dibenzofuran	110000.	
121-14-2	2,4-Dinitrotoluene	92000.	U
84-66-2	Diethylphthalate	92000.	U
7005-72-3	4-Chlorophenyl-phenylether	92000.	U
86-73-7	Fluorene	190000.	
100-01-6	4-Nitroaniline	450000.	U
534-52-1	4,6-Dinitro-2-methylphenol	450000.	U
86-30-6	N-Nitrosodiphenylamine (1)	92000.	U
101-55-3	4-Bromophenyl-phenylether	92000.	U
118-74-1	Hexachlorobenzene	92000.	U
87-86-5	Pentachlorophenol	190000.	J
85-01-8	Phenanthrene	640000.	
120-12-7	Anthracene	190000.	
84-74-2	Di-n-butylphthalate	92000.	U
206-44-0	Fluoranthene	1200000.	
129-00-0	Pyrene	1100000.	
85-68-7	Butylbenzylphthalate	92000.	U
91-94-1	3,3'-Dichlorobenzidine	180000.	U
56-55-3	Benzo(a)anthracene	240000.	
218-01-9	Chrysene	440000.	
117-81-7	bis(2-Ethylhexyl)phthalate	92000.	U
117-84-0	Di-n-Octyl_Phthalate	92000.	U
205-99-2	Benzo(b)fluoranthene	280000.	
207-08-9	Benzo(k)fluoranthene	170000.	
50-32-8	Benzo(a)pyrene	120000.	
193-39-5	Indeno(1,2,3-cd)pyrene	130000.	
53-70-3	Dibenzo(a,h)anthracene	92000.	U
191-24-2	Benzo(g,h,i)perylene	94000.	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X116

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5173

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 57 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/16/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.000000

GPC Cleanup: (Y/N) Y pH: 6.3

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	10.42	420000.	
2.	Naphthalene, methyl-	15.28	190000.	
3.	Unknown alkane	16.36	100000.	
4.	Naphthalene, dimethyl-	16.63	170000.	
5.	Naphthalene, dimethyl-	16.84	180000.	
6.	Naphthalene, dimethyl-	16.89	70000.	
7.	Naphthalene, trimethyl-	18.34	90000.	
8.	Naphthalene, trimethyl-	18.56	170000.	
9.	Naphthalene, trimethyl-	18.77	80000.	
10.	Unknown	19.23	120000.	
11.	Unknown	19.53	84000.	
12.	Unknown alkane	19.59	120000.	
13.	Unknown alkane	20.21	280000.	
14.	Unknown alkane	20.27	140000.	
15.	Unknown alkane	22.44	200000.	
16.	Unknown PAH	22.81	110000.	
17.	Unknown alkane	23.02	250000.	
18.	Unknown alkane	23.48	150000.	
19.	Unknown PAH	26.00	110000.	
20.	Unknown	29.39	580000.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X116RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5188

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 57 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.3 Date Analyzed: 8/18/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	92000.	U
111-44-4	bis(-2-Chloroethyl)ether	92000.	U
95-57-8	2-Chlorophenol	92000.	U
541-73-1	1,3-Dichlorobenzene	92000.	U
106-46-7	1,4-Dichlorobenzene	92000.	U
100-51-6	Benzyl alcohol	92000.	U
95-50-1	1,2-Dichlorobenzene	92000.	U
95-48-7	2-Methylphenol	92000.	U
39638-32-9	bis(2-chloroisopropyl)ether	92000.	U
106-44-5	4-Methylphenol	92000.	U
621-64-7	N-Nitroso-Di-n-propylamine	92000.	U
67-72-1	Hexachloroethane	92000.	U
98-95-3	Nitrobenzene	92000.	U
78-59-1	Isophorone	92000.	U
88-75-5	2-Nitrophenol	92000.	U
105-67-9	2,4-Dimethylphenol	92000.	U
65-85-0	Benzoic acid	450000.	U
111-91-1	bis(-2-Chloroethoxy)methane	92000.	U
120-83-2	2,4-Dichlorophenol	92000.	U
120-82-1	1,2,4-Trichlorobenzene	92000.	U
91-20-3	Naphthalene	180000.	
106-47-8	4-Chloroaniline	92000.	U
87-68-3	Hexachlorobutadiene	92000.	U
59-50-7	4-Chloro-3-methylphenol	92000.	U
91-57-6	2-Methylnaphthalene	240000.	
77-47-4	Hexachlorocyclopentadiene	92000.	U
88-06-2	2,4,6-Trichlorophenol	92000.	U
95-95-4	2,4,5-Trichlorophenol	450000.	U
91-58-7	2-Chloronaphthalene	92000.	U
88-74-4	2-Nitroaniline	92000.	U
131-11-3	Dimethyl Phthalate	92000.	U
208-96-8	Acenaphthylene	92000.	U
606-20-2	2,6-Dinitrotoluene	92000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X116RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5188

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 57 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.3 Date Analyzed: 8/18/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	450000.	U
83-32-9	Acenaphthene	200000.	
51-28-5	2,4-Dinitrophenol	450000.	U
100-02-7	4-Nitrophenol	450000.	U
132-64-9	Dibenzofuran	130000.	
121-14-2	2,4-Dinitrotoluene	92000.	U
84-66-2	Diethylphthalate	92000.	U
7005-72-3	4-Chlorophenyl-phenylether	92000.	U
86-73-7	Fluorene	220000.	
100-01-6	4-Nitroaniline	450000.	U
534-52-1	4,6-Dinitro-2-methylphenol	450000.	U
86-30-6	N-Nitrosodiphenylamine (1)	92000.	U
101-55-3	4-Bromophenyl-phenylether	92000.	U
118-74-1	Hexachlorobenzene	92000.	U
87-86-5	Pentachlorophenol	160000.	J
85-01-8	Phenanthrene	580000.	
120-12-7	Anthracene	180000.	
84-74-2	Di-n-butylphthalate	92000.	U
206-44-0	Fluoranthene	1100000.	
129-00-0	Pyrene	870000.	
85-68-7	Butylbenzylphthalate	92000.	U
91-94-1	3,3'-Dichlorobenzidine	180000.	U
56-55-3	Benzo(a)anthracene	260000.	
218-01-9	Chrysene	380000.	
117-81-7	bis(2-Ethylhexyl)phthalate	92000.	U
117-84-0	Di-n-Octyl_Phthalate	92000.	U
205-99-2	Benzo(b)fluoranthene	280000.	
207-08-9	Benzo(k)fluoranthene	240000.	
50-32-8	Benzo(a)pyrene	100000.	
193-39-5	Indeno(1,2,3-cd)pyrene	94000.	
53-70-3	Dibenzo(a,h)anthracene	92000.	U
191-24-2	Benzo(g,h,i)perylene	65000.	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X116RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-7RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5188

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 57 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/18/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1.000000

GPC Cleanup: (Y/N) Y pH: 6.3

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	10.38	410000.	
2.		Unknown	15.24	210000.	
3.		Unknown alkane	16.33	96000.	
4.		Naphthalene, dimethyl-	16.58	160000.	
5.		Naphthalene, dimethyl-	16.80	170000.	
6.		Naphthalene, trimethyl-	18.30	88000.	
7.		Naphthalene, trimethyl-	18.51	95000.	
8.		Naphthalene, trimethyl-	18.74	74000.	
9.		Unknown	19.19	100000.	
10.		Unknown	19.49	78000.	
11.		Unknown alkane	19.55	130000.	
12.		Unknown alkane	20.17	280000.	
13.		Unknown alkane	20.23	140000.	
14.		Unknown alkane	22.41	200000.	
15.		Unknown PAH	22.77	110000.	
16.		Unknown	22.99	270000.	
17.		Unknown	23.45	160000.	
18.	243425	Benzo[b]naphtho[2,3-d]furan	25.40	50000.	
19.		Unknown	25.96	100000.	
20.		Unknown	27.64	58000.	
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X116

Matrix (soil/water) sludge Lab Sample ID: 200228-7

Level (low/med): Date Received: 7/31/91

% Solids: 43

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	4700		P	
7440-36-0	Antimony	4.1	U	P	N
7440-38-2	Arsenic	2.5		BH	
7440-39-3	Barium	110		P	
7440-41-7	Beryllium	0.52		P	
7440-43-9	Cadmium	0.34	U	P	N
7440-70-2	Calcium	28000		P	*
7440-47-3	Chromium	13		P	N E
7440-48-4	Cobalt	5.5		P	
7440-50-8	Copper	23		P	N
7439-89-6	Iron	8500		P	
7439-92-1	Lead	37		P	N E
7439-95-4	Magnesium	7900		P	* E
7439-96-5	Manganese	670		P	
7439-97-6	Mercury	0.21		CV	N
7440-02-0	Nickel	9.0		P	
7440-09-7	Potassium	820		P	
7782-49-2	Selenium	0.38	U	BH	N
7440-22-4	Silver	0.86	U	P	N
7440-23-5	Sodium	540		P	
7440-28-0	Thallium	0.42	U	F	
7440-62-2	Vanadium	18		P	N E
7440-66-6	Zinc	110		P	* E

Color Before: Brown Clarity Before: Opaque Texture:

Color After: Orange Clarity After: Clear Artifacts:

RECEIVED
AUG 30 1991
IEPA/DLPC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X117

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0392

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. --- Date Analyzed: 8/20/91

Column: (pack/cap) PACK Dilution Factor: 50.0000

Final extract Volume: 10000.0 (uL) Conversion Factor: 1.0000

Aliquot Volume: 2.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	50000.	U
74-83-9	Bromomethane	50000.	U
75-01-4	Vinyl Chloride	50000.	U
75-00-3	Chloroethane	50000.	U
75-09-2	Methylene Chloride	25000.	JB
67-64-1	Acetone	50000.	U
75-15-0	Carbon Disulfide	25000.	U
75-35-4	1,1-Dichloroethene	25000.	U
75-34-3	1,1-Dichloroethane	25000.	U
540-59-0	1,2-Dichloroethene (total)	25000.	U
67-66-3	Chloroform	25000.	U
107-06-2	1,2-Dichloroethane	25000.	U
78-93-3	2-Butanone	50000.	U
71-55-6	1,1,1-Trichloroethane	25000.	U
56-23-5	Carbon Tetrachloride	25000.	U
108-05-4	Vinyl Acetate	50000.	U
75-27-4	Bromodichloromethane	25000.	U
78-87-5	1,2-Dichloropropane	25000.	U
10061-01-5	cis-1,3-Dichloropropene	25000.	U
79-01-6	Trichloroethene	25000.	U
124-48-1	Dibromochloromethane	25000.	U
79-00-5	1,1,2-Trichloroethane	25000.	U
71-43-2	Benzene	180000.	
10061-02-6	trans-1,3-Dichloropropene	25000.	U
75-25-2	Bromoform	25000.	U
108-10-1	4-Methyl-2-pentanone	50000.	U
591-78-6	2-Hexanone	50000.	U
127-18-4	Tetrachloroethene	25000.	U
79-34-5	1,1,2,2-Tetrachloroethane	25000.	U
108-88-3	Toluene	360000.	
108-90-7	Chlorobenzene	25000.	U
100-41-4	Ethylbenzene	340000.	
100-42-5	Styrene	25000.	U
1330-20-7	Xylene (total)	600000.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X117

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0392

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ---- Date Analyzed: 8/20/91

Column: PACK Dilution Factor: 50.0000

Soil extract Volume: 10000.0 (uL) Soil Aliquot Volume: 10.0 (uL)

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	Ethane, 1,1,2-trichloro- 1,2,2-trifluoro-	13.98	160000.	
2.	Unknown	25.79	640000.	
3.	Unknown	27.88	310000.	
4.	Unknown	28.50	610000.	
5.	Unknown	36.72	330000.	
6.	Unknown	38.78	3800000.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X117DL

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8DL

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0266

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. --- Date Analyzed: 8/12/91

Column: (pack/cap) PACK Dilution Factor: 1000.00

Final extract Volume: 10000.0 (uL) Conversion Factor: 1.0000

Aliquot Volume: 10.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1000000.	U D
74-83-9	Bromomethane	1000000.	U D
75-01-4	Vinyl Chloride	1000000.	U D
75-00-3	Chloroethane	1000000.	U D
75-09-2	Methylene Chloride	930000.	D
67-64-1	Acetone	1000000.	U D
75-15-0	Carbon Disulfide	500000.	U D
75-35-4	1,1-Dichloroethene	500000.	U D
75-34-3	1,1-Dichloroethane	500000.	U D
540-59-0	1,2-Dichloroethene (total)	500000.	U D
67-66-3	Chloroform	500000.	U D
107-06-2	1,2-Dichloroethane	500000.	U D
78-93-3	2-Butanone	1000000.	U D
71-55-6	1,1,1-Trichloroethane	500000.	U D
56-23-5	Carbon Tetrachloride	500000.	U D
108-05-4	Vinyl Acetate	1000000.	U D
75-27-4	Bromodichloromethane	500000.	U D
78-87-5	1,2-Dichloropropane	500000.	U D
10061-01-5	cis-1,3-Dichloropropene	500000.	U D
79-01-6	Trichloroethene	500000.	U D
124-48-1	Dibromochloromethane	500000.	U D
79-00-5	1,1,2-Trichloroethane	500000.	U D
71-43-2	Benzene	150000.	J D
10061-02-6	trans-1,3-Dichloropropene	500000.	U D
75-25-2	Bromoform	500000.	U D
108-10-1	4-Methyl-2-pentanone	1000000.	U D
591-78-6	2-Hexanone	1000000.	U D
127-18-4	Tetrachloroethene	500000.	U D
79-34-5	1,1,2,2-Tetrachloroethane	500000.	U D
108-88-3	Toluene	380000.	J D
108-90-7	Chlorobenzene	500000.	U D
100-41-4	Ethylbenzene	500000.	J D
100-42-5	Styrene	500000.	U D
1330-20-7	Xylene (total)	840000.	D

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X117DL

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8DL

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0266

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ---- Date Analyzed: 8/12/91

Column: PACK Dilution Factor: 1000.00

Soil extract Volume: 10000.0 (uL) Soil Aliquot Volume: 10.0 (uL)

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	14.07	6900000.	D
2.		Unknown	23.72	930000.	D
3.		Unknown	28.06	1600000.	D
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X117

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5143

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ----- dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.7 Date Analyzed: 8/15/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 10.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	920000.	
111-44-4	bis(2-Chloroethyl)ether	200000.	U
95-57-8	2-Chlorophenol	200000.	U
541-73-1	1,3-Dichlorobenzene	200000.	U
106-46-7	1,4-Dichlorobenzene	200000.	U
100-51-6	Benzyl alcohol	200000.	U
95-50-1	1,2-Dichlorobenzene	200000.	U
95-48-7	2-Methylphenol	640000.	
39638-32-9	bis(2-chloroisopropyl)ether	200000.	U
106-44-5	4-Methylphenol	1900000.	
621-64-7	N-Nitroso-Di-n-propylamine	200000.	U
67-72-1	Hexachloroethane	200000.	U
98-95-3	Nitrobenzene	200000.	U
78-59-1	Isophorone	200000.	U
88-75-5	2-Nitrophenol	200000.	U
105-67-9	2,4-Dimethylphenol	1900000.	
65-85-0	Benzoic acid	960000.	U
111-91-1	bis(2-Chloroethoxy)methane	200000.	U
120-83-2	2,4-Dichlorophenol	200000.	U
120-82-1	1,2,4-Trichlorobenzene	200000.	U
91-20-3	Naphthalene	52000000.	E
106-47-8	4-Chloroaniline	200000.	U
87-68-3	Hexachlorobutadiene	200000.	U
59-50-7	4-Chloro-3-methylphenol	200000.	U
91-57-6	2-Methylnaphthalene	29000000.	E
77-47-4	Hexachlorocyclopentadiene	200000.	U
88-06-2	2,4,6-Trichlorophenol	200000.	U
95-95-4	2,4,5-Trichlorophenol	960000.	U
91-58-7	2-Chloronaphthalene	200000.	U
88-74-4	2-Nitroaniline	960000.	U
131-11-3	Dimethylphthalate	200000.	U
208-96-8	Acenaphthylene	1400000.	
606-20-2	2,6-Dinitrotoluene	200000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X117

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5143

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ----- dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.7 Date Analyzed: 8/15/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 10.00000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	960000.	U
83-32-9	Acenaphthene	18000000.	E
51-28-5	2,4-Dinitrophenol	960000.	U
100-02-7	4-Nitrophenol	960000.	U
132-64-9	Dibenzofuran	13000000.	E
121-14-2	2,4-Dinitrotoluene	200000.	U
84-66-2	Diethylphthalate	200000.	U
7005-72-3	4-Chlorophenyl-phenylether	200000.	U
86-73-7	Fluorene	18000000.	E
100-01-6	4-Nitroaniline	960000.	U
534-52-1	4,6-Dinitro-2-methylphenol	960000.	U
86-30-6	N-Nitrosodiphenylamine (1)	200000.	U
101-55-3	4-Bromophenyl-phenylether	200000.	U
118-74-1	Hexachlorobenzene	200000.	U
87-86-5	Pentachlorophenol	960000.	U
85-01-8	Phenanthrene	51000000.	E
120-12-7	Anthracene	200000.	U
84-74-2	Di-n-butylphthalate	200000.	U
206-44-0	Fluoranthene	31000000.	E
129-00-0	Pyrene	16000000.	E
85-68-7	Butylbenzylphthalate	200000.	U
91-94-1	3,3'-Dichlorobenzidine	400000.	U
56-55-3	Benzo(a)anthracene	8200000.	E
218-01-9	Chrysene	5300000.	E
117-81-7	bis(2-Ethylhexyl)phthalate	200000.	U
117-84-0	Di-n-Octyl_Phthalate	200000.	U
205-99-2	Benzo(b)fluoranthene	4900000.	E
207-08-9	Benzo(k)fluoranthene	1700000.	
50-32-8	Benzo(a)pyrene	2900000.	
193-39-5	Indeno(1,2,3-cd)pyrene	560000.	
53-70-3	Dibenzo(a,h)anthracene	200000.	U
191-24-2	Benzo(g,h,i)perylene	440000.	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X117

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5143

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ----- dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/15/91

Injection Volume: 1.0000 (ul) Dilution Factor: 10.00000

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	10.66	790000.	
2.	119653	Isoquinoline	14.24	140000.	
3.		Unknown PAH	15.43	460000.	
4.		Unknown	16.36	200000.	
5.		Napthalene, dimethyl-	16.75	120000.	
6.		Napthalene, dimethyl-	16.96	130000.	
7.		Unknown	19.44	130000.	
8.	610355	1,2-Benzenedicarboxylic acid 4-hydroxy-	19.65	96000.	
9.		Unknown	22.24	160000.	
10.		Unknown PAH	22.91	120000.	
11.		Unknown PAH	22.99	100000.	
12.		Unknown	23.22	240000.	
13.		Unknown PAH	23.68	88000.	
14.		Unknown	25.89	170000.	
15.		Unknown PAH	26.20	470000.	
16.		Unknown PAH	26.36	440000.	
17.		Unknown PAH	26.43	220000.	
18.		Unknown	28.65	160000.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X117DL

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5165

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ----- dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.7 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.00

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	20000000.	U D
111-44-4	bis(2-Chloroethyl)ether	20000000.	U D
95-57-8	2-Chlorophenol	20000000.	U D
541-73-1	1,3-Dichlorobenzene	20000000.	U D
106-46-7	1,4-Dichlorobenzene	20000000.	U D
100-51-6	Benzyl alcohol	20000000.	U D
95-50-1	1,2-Dichlorobenzene	20000000.	U D
95-48-7	2-Methylphenol	20000000.	U D
39638-32-9	bis(2-chloroisopropyl)ether	20000000.	U D
106-44-5	4-Methylphenol	20000000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	20000000.	U D
67-72-1	Hexachloroethane	20000000.	U D
98-95-3	Nitrobenzene	20000000.	U D
78-59-1	Isophorone	20000000.	U D
88-75-5	2-Nitrophenol	20000000.	U D
105-67-9	2,4-Dimethylphenol	20000000.	U D
65-85-0	Benzoic acid	96000000.	U D
111-91-1	bis(2-Chloroethoxy)methane	20000000.	U D
120-83-2	2,4-Dichlorophenol	20000000.	U D
120-82-1	1,2,4-Trichlorobenzene	20000000.	U D
91-20-3	Naphthalene	89000000.	D
106-47-8	4-Chloroaniline	20000000.	U D
87-68-3	Hexachlorobutadiene	20000000.	U D
59-50-7	4-Chloro-3-methylphenol	20000000.	U D
91-57-6	2-Methylnaphthalene	14000000.	J D
77-47-4	Hexachlorocyclopentadiene	20000000.	U D
88-06-2	2,4,6-Trichlorophenol	20000000.	U D
95-95-4	2,4,5-Trichlorophenol	96000000.	U D
91-58-7	2-Chloronaphthalene	20000000.	U D
88-74-4	2-Nitroaniline	96000000.	U D
131-11-3	Dimethylphthalate	20000000.	U D
208-96-8	Acenaphthylene	20000000.	U D
606-20-2	2,6-Dinitrotoluene	20000000.	U D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X117DL

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5165

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ----- dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.7 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.00

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	96000000.	U D
83-32-9	Acenaphthene	23000000.	D
51-28-5	2,4-Dinitrophenol	96000000.	U D
100-02-7	4-Nitrophenol	96000000.	U D
132-64-9	Dibenzofuran	14000000.	J D
121-14-2	2,4-Dinitrotoluene	20000000.	U D
84-66-2	Diethylphthalate	20000000.	U D
7005-72-3	4-Chlorophenyl-phenylether	20000000.	U D
86-73-7	Fluorene	19000000.	J D
100-01-6	4-Nitroaniline	96000000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	96000000.	U D
86-30-6	N-Nitrosodiphenylamine (1)	20000000.	U D
101-55-3	4-Bromophenyl-phenylether	20000000.	U D
118-74-1	Hexachlorobenzene	20000000.	U D
87-86-5	Pentachlorophenol	96000000.	U D
85-01-8	Phenanthrene	61000000.	D
120-12-7	Anthracene	5100000.	J D
84-74-2	Di-n-butylphthalate	20000000.	U D
206-44-0	Fluoranthene	28000000.	D
129-00-0	Pyrene	21000000.	D
85-68-7	Butylbenzylphthalate	20000000.	U D
91-94-1	3,3'-Dichlorobenzidine	40000000.	U D
56-55-3	Benzo(a)anthracene	4900000.	J D
218-01-9	Chrysene	4600000.	J D
117-81-7	bis(2-Ethylhexyl)phthalate	20000000.	U D
117-84-0	Di-n-Octyl_Phthalate	20000000.	U D
205-99-2	Benzo(b)fluoranthene	1400000.	J D
207-08-9	Benzo(k)fluoranthene	1800000.	J D
50-32-8	Benzo(a)pyrene	1600000.	J D
193-39-5	Indeno(1,2,3-cd)pyrene	20000000.	U D
53-70-3	Dibenzo(a,h)anthracene	20000000.	U D
191-24-2	Benzo(g,h,i)perylene	20000000.	U D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X117DL

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) WASTE Lab Sample ID: 200228-8DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5165

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. ----- dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/16/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1000.000

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X117

Matrix (soil/water) Waste Lab Sample ID: 200228-8

Level (low/med): Date Received: 7/31/91

% Solids: 100

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	52		P	
7440-36-0	Antimony	8.6	U	P	N
7440-38-2	Arsenic	1.0		BH	N
7440-39-3	Barium	[1.7]		P	N
7440-41-7	Beryllium	0.71	U	P	
7440-43-9	Cadmium	0.72	U	P	
7440-70-2	Calcium	[120]		P	
7440-47-3	Chromium	2.9		P	
7440-48-4	Cobalt	1.3	U	P	
7440-50-8	Copper	11		P	
7439-89-6	Iron	110		P	
7439-92-1	Lead	2.1		F	N W
7439-95-4	Magnesium	[29]		P	
7439-96-5	Manganese	4.6		P	
7439-97-6	Mercury	0.062	U	CV	
7440-02-0	Nickel	5.2	U	P	
7440-09-7	Potassium	400	U	P	
7782-49-2	Selenium	0.80	U	BH	
7440-22-4	Silver	1.8	U	P	N
7440-23-5	Sodium	[92]		P	
7440-28-0	Thallium	4.5	U	F	N E
7440-62-2	Vanadium	2.5	U	P	
7440-66-6	Zinc	13		P	*

Color Before: Brown Clarity Before: Opaque Texture:

Color After: Colorless Clarity After: Clear Artifacts:

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IEPA/DLPC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X11A

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------- Case No.: 200228 SAS No.: ------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0273

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 Date Analyzed: 8/13/91

Column: (pack/cap) PACK Dilution Factor: 10.0000

Final extract Volume: 10000.0(uL) Conversion Factor: 1.0000

Aliquot Volume: 10.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	31000.	U
74-83-9	Bromomethane	31000.	U
75-01-4	Vinyl Chloride	31000.	U
75-00-3	Chloroethane	31000.	U
75-09-2	Methylene Chloride	22000.	B
67-64-1	Acetone	31000.	U
75-15-0	Carbon Disulfide	16000.	U
75-35-4	1,1-Dichloroethene	16000.	U
75-34-3	1,1-Dichloroethane	16000.	U
540-59-0	1,2-Dichloroethene (total)	16000.	U
67-66-3	Chloroform	16000.	U
107-06-2	1,2-Dichloroethane	16000.	U
78-93-3	2-Butanone	31000.	U
71-55-6	1,1,1-Trichloroethane	16000.	U
56-23-5	Carbon Tetrachloride	16000.	U
108-05-4	Vinyl Acetate	31000.	U
75-27-4	Bromodichloromethane	16000.	U
78-87-5	1,2-Dichloropropane	16000.	U
10061-01-5	cis-1,3-Dichloropropene	16000.	U
79-01-6	Trichloroethene	16000.	U
124-48-1	Dibromochloromethane	16000.	U
79-00-5	1,1,2-Trichloroethane	16000.	U
71-43-2	Benzene	22000.	
10061-02-6	trans-1,3-Dichloropropene	16000.	U
75-25-2	Bromoform	16000.	U
108-10-1	4-Methyl-2-Pentanone	31000.	U
591-78-6	2-Hexanone	31000.	U
127-18-4	Tetrachloroethene	16000.	U
79-34-5	1,1,2,2-Tetrachloroethane	16000.	U
108-88-3	Toluene	40000.	
108-90-7	Chlorobenzene	16000.	U
100-41-4	Ethylbenzene	34000.	
100-42-5	Styrene	16000.	U
1330-20-7	Xylene (total)	110000.	

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EPA/DLPC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X118

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >C0273

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 Date Analyzed: 8/13/91

Column: PACK Dilution Factor: 10.0000

Soil extract Volume: 10000.0 (uL) Soil Aliquot Volume: 10.0 (uL)

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75694	Methane, trichlorofluoro-	10.30	40000.	
2.		Unknown	24.09	230000.	
3.		Unknown	28.09	76000.	
4.		Unknown	29.72	250000.	
5.		Unknown	34.85	66000.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X118

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5156

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.9 Date Analyzed: 8/15/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	62000000.	U
111-44-4	bis(2-Chloroethyl)ether	62000000.	U
95-57-8	2-Chlorophenol	62000000.	U
541-73-1	1,3-Dichlorobenzene	62000000.	U
106-46-7	1,4-Dichlorobenzene	62000000.	U
100-51-6	Benzyl alcohol	62000000.	U
95-50-1	1,2-Dichlorobenzene	62000000.	U
95-48-7	2-Methylphenol	62000000.	U
39638-32-9	bis(2-chloroisopropyl)ether	62000000.	U
106-44-5	4-Methylphenol	62000000.	U
621-64-7	N-Nitroso-Di-n-propylamine	62000000.	U
67-72-1	Hexachloroethane	62000000.	U
98-95-3	Nitrobenzene	62000000.	U
78-59-1	Isophorone	62000000.	U
88-75-5	2-Nitrophenol	62000000.	U
105-67-9	2,4-Dimethylphenol	62000000.	U
65-85-0	Benzoic acid	300000000.	U
111-91-1	bis(2-Chloroethoxy)methane	62000000.	U
120-83-2	2,4-Dichlorophenol	62000000.	U
120-82-1	1,2,4-Trichlorobenzene	62000000.	U
91-20-3	Naphthalene	280000000.	
106-47-8	4-Chloroaniline	62000000.	U
87-68-3	Hexachlorobutadiene	62000000.	U
59-50-7	4-Chloro-3-methylphenol	62000000.	U
91-57-6	2-Methylnaphthalene	42000000.	J
77-47-4	Hexachlorocyclopentadiene	62000000.	U
88-06-2	2,4,6-Trichlorophenol	62000000.	U
95-95-4	2,4,5-Trichlorophenol	300000000.	U
91-58-7	2-Chloronaphthalene	62000000.	U
88-74-4	2-Nitroaniline	300000000.	U
131-11-3	Dimethylphthalate	62000000.	U
208-96-8	Acenaphthylene	62000000.	U
606-20-2	2,6-Dinitrotoluene	62000000.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X118

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5156

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.9 Date Analyzed: 8/15/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	300000000.	U
83-32-9	Acenaphthene	70000000.	
51-28-5	2,4-Dinitrophenol	300000000.	U
100-02-7	4-Nitrophenol	300000000.	U
132-64-9	Dibenzofuran	47000000.	J
121-14-2	2,4-Dinitrotoluene	62000000.	U
84-66-2	Diethylphthalate	62000000.	U
7005-72-3	4-Chlorophenyl-phenylether	62000000.	U
86-73-7	Fluorene	60000000.	J
100-01-6	4-Nitroaniline	300000000.	U
534-52-1	4,6-Dinitro-2-methylphenol	300000000.	U
86-30-6	N-Nitrosodiphenylamine (1)	62000000.	U
101-55-3	4-Bromophenyl-phenylether	62000000.	U
118-74-1	Hexachlorobenzene	62000000.	U
87-86-5	Pentachlorophenol	300000000.	U
85-01-8	Phenanthrene	200000000.	
120-12-7	Anthracene	25000000.	J
84-74-2	Di-n-butylphthalate	62000000.	U
206-44-0	Fluoranthene	98000000.	
129-00-0	Pyrene	63000000.	
85-68-7	Butylbenzylphthalate	62000000.	U
91-94-1	3,3'-Dichlorobenzidine	120000000.	U
56-55-3	Benzo(a)anthracene	15000000.	J
218-01-9	Chrysene	18000000.	J
117-81-7	bis(2-Ethylhexyl)phthalate	62000000.	U
117-84-0	Di-n-Octyl Phthalate	62000000.	U
205-99-2	Benzo(b)fluoranthene	62000000.	U
207-08-9	Benzo(k)fluoranthene	62000000.	U
50-32-8	Benzo(a)pyrene	62000000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	62000000.	U
53-70-3	Dibenzo(a,h)anthracene	62000000.	U
191-24-2	Benzo(g,h,i)perylene	62000000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X118

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5156

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/15/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1000.000

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X118RE

ab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5166

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.9 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	62000000.	U
111-44-4	bis(2-Chloroethyl)ether	62000000.	U
95-57-8	2-Chlorophenol	62000000.	U
541-73-1	1,3-Dichlorobenzene	62000000.	U
106-46-7	1,4-Dichlorobenzene	62000000.	U
100-51-6	Benzyl alcohol	62000000.	U
95-50-1	1,2-Dichlorobenzene	62000000.	U
95-48-7	2-Methylphenol	62000000.	U
39638-32-9	bis(2-chloroisopropyl)ether	62000000.	U
106-44-5	4-Methylphenol	62000000.	U
621-64-7	N-Nitroso-Di-n-propylamine	62000000.	U
67-72-1	Hexachloroethane	62000000.	U
98-95-3	Nitrobenzene	62000000.	U
78-59-1	Isophorone	62000000.	U
88-75-5	2-Nitrophenol	62000000.	U
105-67-9	2,4-Dimethylphenol	62000000.	U
65-85-0	Benzoic acid	300000000.	U
111-91-1	bis(2-Chloroethoxy)methane	62000000.	U
120-83-2	2,4-Dichlorophenol	62000000.	U
120-82-1	1,2,4-Trichlorobenzene	62000000.	U
91-20-3	Naphthalene	300000000.	
106-47-8	4-Chloroaniline	62000000.	U
87-68-3	Hexachlorobutadiene	62000000.	U
59-50-7	4-Chloro-3-methylphenol	62000000.	U
91-57-6	2-Methylnaphthalene	37000000.	J
77-47-4	Hexachlorocyclopentadiene	62000000.	U
88-06-2	2,4,6-Trichlorophenol	62000000.	U
95-95-4	2,4,5-Trichlorophenol	300000000.	U
91-58-7	2-Chloronaphthalene	62000000.	U
88-74-4	2-Nitroaniline	300000000.	U
131-11-3	Dimethylphthalate	62000000.	U
208-96-8	Acenaphthylene	62000000.	U
606-20-2	2,6-Dinitrotoluene	62000000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X118RE

Lab Name: ARDL, INC. Contract: JENISON W

Lab Code: ----- Case No.: 200228 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5166

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 dec. ---- Date Extracted: 8/01/91

GPC Cleanup: (Y/N) Y pH: 6.9 Date Analyzed: 8/16/91

Final Extract Volume: 1000.0 (uL) Dilution Factor: 1000.000

Injection Volume: 1.0000 (uL) Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	300000000.	U
83-32-9	Acenaphthene	65000000.	
51-28-5	2,4-Dinitrophenol	300000000.	U
100-02-7	4-Nitrophenol	300000000.	U
132-64-9	Dibenzofuran	41000000.	J
121-14-2	2,4-Dinitrotoluene	62000000.	U
84-66-2	Diethylphthalate	62000000.	U
7005-72-3	4-Chlorophenyl-phenylether	62000000.	U
86-73-7	Fluorene	51000000.	J
100-01-6	4-Nitroaniline	300000000.	U
534-52-1	4,6-Dinitro-2-methylphenol	300000000.	U
86-30-6	N-Nitrosodiphenylamine (1)	62000000.	U
101-55-3	4-Bromophenyl-phenylether	62000000.	U
118-74-1	Hexachlorobenzene	62000000.	U
87-86-5	Pentachlorophenol	300000000.	U
85-01-8	Phenanthrene	190000000.	
120-12-7	Anthracene	23000000.	J
84-74-2	Di-n-butylphthalate	62000000.	U
206-44-0	Fluoranthene	94000000.	
129-00-0	Pyrene	68000000.	
85-68-7	Butylbenzylphthalate	62000000.	U
91-94-1	3,3'-Dichlorobenzidine	120000000.	U
56-55-3	Benzo(a)anthracene	14000000.	J
218-01-9	Chrysene	16000000.	J
117-81-7	bis(2-Ethylhexyl)phthalate	62000000.	U
117-84-0	Di-n-Octyl_Phthalate	62000000.	U
205-99-2	Benzo(b)fluoranthene	62000000.	U
207-08-9	Benzo(k)fluoranthene	62000000.	U
50-32-8	Benzo(a)pyrene	62000000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	62000000.	U
53-70-3	Dibenzo(a,h)anthracene	62000000.	U
191-24-2	Benzo(g,h,i)perylene	62000000.	U

(1) - Cannot be separated from Diphenylamine

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X118

Matrix (soil/water) Sludge Lab Sample ID: 200228-9

Level (low/med): Date Received: 7/31/91

% Solids: 32

Concentration units (ug/L or mg/kg dry weight) mg/kg

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	670		P	
7440-36-0	Antimony	28	U	P	N
7440-38-2	Arsenic	4.7		BH	
7440-39-3	Barium	[12]		P	
7440-41-7	Beryllium	2.3	U	P	
7440-43-9	Cadmium	2.3	U	P	N
7440-70-2	Calcium	[700]		P	*
7440-47-3	Chromium	6.5		P	N E
7440-48-4	Cobalt	4.1	U	P	
7440-50-8	Copper	12	U	P	N
7439-89-6	Iron	2000		P	
7439-92-1	Lead	8.9		F	W *
7439-95-4	Magnesium	[130]		P	* E
7439-96-5	Manganese	29		P	
7439-97-6	Mercury	0.23		CV	N
7440-02-0	Nickel	17	U	P	
7440-09-7	Potassium	1300	U	P	
7782-49-2	Selenium	2.6	U	BH	N
7440-22-4	Silver	58	U	P	N
7440-23-5	Sodium	[750]		P	
7440-28-0	Thallium	15	U	F	E
7440-62-2	Vanadium	8.2	U	P	N E
7440-66-6	Zinc	66		P	* E

Color Before: Black Clarity Before: Opaque Texture:

Color After: Colorless Clarity After: Clear Artifacts:

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X118RE

b Name: ARDL, INC. Contract: JENISON W

Lab Code: ------ Case No.: 200228 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200228-9RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >B5166

Level: (low/med) MED Date Received: 7/31/91

% Moisture: not dec. 68 dec. ----- Date Extracted: 8/01/91

Final Extract Volume: 1000.0 (ul) Date Analyzed: 8/16/91

Injection Volume: 1.0000 (ul) Dilution Factor: 1000.000

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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