158459

APPENDIX G

ANALYTICAL RESULTS

ARDL Inc. applied research & development laboratory

CHEMISTRY • BIOLOGY • PHYSIOLOGY
ENGINEERING • ENVIRONMENTAL ANALYSIS

25 July 1991

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

SUBJECT: Data Package Submittal
Facility: Sauget Sites Area #2
ARDL ID: 200224
Site Inventory No.: 163
Due Date: 7/27/91

Dear Mr. Turpin:

Enclosed please find ARDL's data package for analyses performed on samples delivered to our laboratory on 6/27/91. 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
    e. Volume 5 - Pesticide/PCB 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

RECEIVED
JUL 29 1991
IEPA/DLPC

DJG/jcm

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

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X102

Matrix (soil/water) SOIL Lab Sample ID: 200224-1

Level (low/med): Date Received: 6/27/91

% Solids: 79

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	14500		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	6.7		BH	
7440-39-3	Barium	160		P	
7440-41-7	Beryllium	1.5		P	N
7440-43-9	Cadmium	0.94	U	P	
7440-70-2	Calcium	3260		P	
7440-47-3	Chromium	13		P	
7440-48-4	Cobalt	9.4	U	P	N
7440-50-8	Copper	31		P	
7439-89-6	Iron	12700		P	
7439-92-1	Lead	59		P	*
7439-95-4	Magnesium	2980		P	
7439-96-5	Manganese	280		P	
7439-97-6	Mercury	0.10	U	CV	
7440-02-0	Nickel	19		P	N
7440-09-7	Potassium	2730		P	
7782-49-2	Selenium	1.0	U	BH	N
7440-22-4	Silver	1.9	U	P	N
7440-23-5	Sodium	190	U	P	
7440-28-0	Thallium	2.2	U	F	N
7440-62-2	Vanadium	37		P	
7440-66-6	Zinc	190		P	N

Color Before: DARK BROWN Clarity Before: Texture: MEDIUM

Color After: LIGHT YELLOW Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X102

Matrix (soil/water) SOIL Lab Sample ID: 200224-1

Level (low/med): Date Received: 6/27/91

% Solids: 79

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.28	U	C	
	Phenol				
	Chloride				
	Sulfide	98			
	Sulfate	220			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-1

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7870

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 21 Date Analyzed: 7/03/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	37.	B
67-64-1	Acetone	27.	
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-1

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7870

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 21 Date Analyzed: 7/03/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.60	36.	
2.	Unknown	28.75	58.	
3.	Unknown	31.07	9.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5766

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 21.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/04/91

GPC Cleanup: (Y/N) Y pH:7.3 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	840.	U
111-44-4	bis(-2-Chloroethyl)ether	840.	U
95-57-8	2-Chlorophenol	840.	U
541-73-1	1,3-Dichlorobenzene	840.	U
106-46-7	1,4-Dichlorobenzene	840.	U
100-51-6	Benzyl alcohol	840.	U
95-50-1	1,2-Dichlorobenzene	840.	U
95-48-7	2-Methylphenol	840.	U
39638-32-9	bis(2-chloroisopropyl)ether	840.	U
106-44-5	4-Methylphenol	840.	U
621-64-7	N-Nitroso-Di-n-propylamine	840.	U
67-72-1	Hexachloroethane	840.	U
98-95-3	Nitrobenzene	840.	U
78-59-1	Isophorone	840.	U
88-75-5	2-Nitrophenol	840.	U
105-67-9	2,4-Dimethylphenol	840.	U
65-85-0	Benzoic acid	4000.	U
111-91-1	bis(-2-Chloroethoxy)methane	840.	U
120-83-2	2,4-Dichlorophenol	840.	U
120-82-1	1,2,4-Trichlorobenzene	840.	U
91-20-3	Naphthalene	840.	U
106-47-8	4-Chloroaniline	840.	U
87-68-3	Hexachlorobutadiene	840.	U
59-50-7	4-Chloro-3-methylphenol	840.	U
91-57-6	2-Methylnaphthalene	840.	U
77-47-4	Hexachlorocyclopentadiene	840.	U
88-06-2	2,4,6-Trichlorophenol	840.	U
95-95-4	2,4,5-Trichlorophenol	4000.	U
91-58-7	2-Chloronaphthalene	840.	U
88-74-4	2-Nitroaniline	4000.	U
131-11-3	Dimethylphthalate	840.	U
208-96-8	Acenaphthylene	840.	U
606-20-2	2,6-Dinitrotoluene	840.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5766

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 21.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/04/91

GPC Cleanup: (Y/N) Y pH:7.3 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	4000.	U
83-32-9	Acenaphthene	840.	U
51-28-5	2,4-Dinitrophenol	4000.	U
100-02-7	4-Nitrophenol	4000.	U
132-64-9	Dibenzofuran	840.	U
121-14-2	2,4-Dinitrotoluene	840.	U
84-66-2	Diethylphthalate	840.	U
7005-72-3	4-Chlorophenyl-phenylether	840.	U
86-73-7	Fluorene	840.	U
100-01-6	4-Nitroaniline	4000.	U
534-52-1	4,6-Dinitro-2-methylphenol	4000.	U
86-30-6	N-Nitrosodiphenylamine (1)	840.	U
101-55-3	4-Bromophenyl-phenylether	840.	U
118-74-1	Hexachlorobenzene	840.	U
87-86-5	Pentachlorophenol	4000.	U
85-01-8	Phenanthrene	840.	U
120-12-7	Anthracene	840.	U
84-74-2	Di-n-butylphthalate	840.	U
206-44-0	Fluoranthene	840.	U
129-00-0	Pyrene	840.	U
85-68-7	Butylbenzylphthalate	840.	U
91-94-1	3,3'-Dichlorobenzidine	1700.	U
56-55-3	Benzo(a)anthracene	840.	U
218-01-9	Chrysene	840.	U
117-81-7	bis(2-Ethylhexyl)phthalate	840.	U
117-84-0	Di-n-Octyl_Phthalate	840.	U
205-99-2	Benzo(b)fluoranthene	840.	U
207-08-9	Benzo(k)fluoranthene	840.	U
50-32-8	Benzo(a)pyrene	840.	U
193-39-5	Indeno(1,2,3-cd)pyrene	840.	U
53-70-3	Dibenzo(a,h)anthracene	840.	U
191-24-2	Benzo(g,h,i)perylene	840.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5766

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 21.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/04/91

GCP Cleanup: (Y/N) Y pH: 7.3 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	5.29	1000.	
2.	Unknown	5.73	950.	
3.	Unknown	6.39	11000.	
4. 79345	Ethane, 1,1,2,2-tetrachloro-	8.04	720.	
5.	Unknown	10.55	3100.	
6.	Unknown alkane	16.48	310.	
7.	Unknown alkane	16.93	1900.	
8.	Unknown alkane	19.10	320.	
9.	Unknown	19.64	1400.	
10.	Unknown	21.52	630.	
11.	Unknown	22.01	460.	
12.	Unknown	22.24	1000.	
13.	Unknown	22.28	1900.	
14.	Unknown	22.66	9500.	
15.	Unknown	22.71	7100.	
16.	Unknown	22.85	9900.	
17.	Unknown	22.89	5600.	
18.	Unknown	22.97	3900.	
19.	Unknown	23.12	4000.	
20.	Unknown	23.81	17000.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W3005

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 21 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	8.	U
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	8.	U
76-44-8	Heptachlor	8.	U
309-00-2	Aldrin	8.	U
1024-57-3	Heptachlor Epoxide	8.	U
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	2200.	
11096-82-5	Arochlor-1260	160.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X103

Matrix (soil/water) SOIL Lab Sample ID: 200224-2

Level (low/med): Date Received: 6/27/91

% 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	11	U	P	N
7440-38-2	Arsenic	4.8		BH	
7440-39-3	Barium	210		P	
7440-41-7	Beryllium	120		P	N
7440-43-9	Cadmium	0.94	U	P	
7440-70-2	Calcium	126000	U	P	
7440-47-3	Chromium	8.3		P	
7440-48-4	Cobalt	0.94	U	P	N
7440-50-8	Copper	7.4		P	
7439-89-6	Iron	10400		P	
7439-92-1	Lead	11.8		F	N*S
7439-95-4	Magnesium	5210		P	
7439-96-5	Manganese	190		P	
7439-97-6	Mercury	0.086	U	CV	
7440-02-0	Nickel	14		P	N
7440-09-7	Potassium	1690		P	
7782-49-2	Selenium	0.88	U	BH	N
7440-22-4	Silver	1.9	U	P	N
7440-23-5	Sodium	190	U	P	
7440-28-0	Thallium	0.98	U	F	NW
7440-62-2	Vanadium	26		P	
7440-66-6	Zinc	38		P	N

Color Before: TAN Clarity Before: Texture: FINE

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X103

Matrix (soil/water) SOIL Lab Sample ID: 200224-2

Level (low/med): Date Received: 6/27/91

% Solids: 89

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.23	U	C	
	Phenol				
	Chloride				
	Sulfide	9.4	U		
	Sulfate	38			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

Sauget Sites Area #2

L1631210020/St. Clair Co. - Sauget WWTP (Site O) ILD000672329
L1631210001/St. Clair Co. - Sauget and Company Landfill (Site Q) ILD000605790
L1631210003/St. Clair Co. - Sauget Toxic (Site R) ILD980606982
L1631210012/St. Clair Co. - Bliss Waste Oil ILD000665836
L1631210006 St. Clair Co. - Route 3 Drum Site (AKA Krummrich W.G.Plant) ILD980498059

CERCLA

Screening Site Inspection Analytical Results

Vol. 2 of 2

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

Confidential Material May be Enclosed

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-2

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7791

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11 Date Analyzed: 6/29/91

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

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.	U
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	3.	J
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
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-2

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7791

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11 Date Analyzed: 6/29/91

Column: PACK Dilution Factor: 1.00000

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-	13.67	11.	
2.		Unknown	30.87	9.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5757

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	740.	U
111-44-4	bis(-2-Chloroethyl)ether	740.	U
95-57-8	2-Chlorophenol	740.	U
541-73-1	1,3-Dichlorobenzene	740.	U
106-46-7	1,4-Dichlorobenzene	740.	U
100-51-6	Benzyl alcohol	740.	U
95-50-1	1,2-Dichlorobenzene	740.	U
95-48-7	2-Methylphenol	740.	U
39638-32-9	bis(2-chloroisopropyl)ether	740.	U
106-44-5	4-Methylphenol	740.	U
621-64-7	N-Nitroso-Di-n-propylamine	740.	U
67-72-1	Hexachloroethane	740.	U
98-95-3	Nitrobenzene	740.	U
78-59-1	Isophorone	740.	U
88-75-5	2-Nitrophenol	740.	U
105-67-9	2,4-Dimethylphenol	740.	U
65-85-0	Benzoic acid	3600.	U
111-91-1	bis(-2-Chloroethoxy)methane	740.	U
120-83-2	2,4-Dichlorophenol	740.	U
120-82-1	1,2,4-Trichlorobenzene	740.	U
91-20-3	Naphthalene	740.	U
106-47-8	4-Chloroaniline	740.	U
87-68-3	Hexachlorobutadiene	740.	U
59-50-7	4-Chloro-3-methylphenol	740.	U
91-57-6	2-Methylnaphthalene	740.	U
77-47-4	Hexachlorocyclopentadiene	740.	U
88-06-2	2,4,6-Trichlorophenol	740.	U
95-95-4	2,4,5-Trichlorophenol	3600.	U
91-58-7	2-Chloronaphthalene	740.	U
88-74-4	2-Nitroaniline	3600.	U
131-11-3	Dimethylphthalate	740.	U
208-96-8	Acenaphthylene	740.	U
606-20-2	2,6-Dinitrotoluene	740.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5757

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3600.	U
83-32-9	Acenaphthene	740.	U
51-28-5	2,4-Dinitrophenol	3600.	U
100-02-7	4-Nitrophenol	3600.	U
132-64-9	Dibenzofuran	740.	U
121-14-2	2,4-Dinitrotoluene	740.	U
84-66-2	Diethylphthalate	740.	U
7005-72-3	4-Chlorophenyl-phenylether	740.	U
86-73-7	Fluorene	740.	U
100-01-6	4-Nitroaniline	3600.	U
534-52-1	4,6-Dinitro-2-methylphenol	3600.	U
86-30-6	N-Nitrosodiphenylamine (1)	740.	U
101-55-3	4-Bromophenyl-phenylether	740.	U
118-74-1	Hexachlorobenzene	740.	U
87-86-5	Pentachlorophenol	3600.	U
85-01-8	Phenanthrene	740.	U
120-12-7	Anthracene	740.	U
84-74-2	Di-n-butylphthalate	740.	U
206-44-0	Fluoranthene	740.	U
129-00-0	Pyrene	740.	U
85-68-7	Butylbenzylphthalate	740.	U
91-94-1	3,3'-Dichlorobenzidine	1500.	U
56-55-3	Benzo(a)anthracene	740.	U
218-01-9	Chrysene	740.	U
117-81-7	bis(2-Ethylhexyl)phthalate	220.	JB
117-84-0	Di-n-Octyl_Phthalate	740.	U
205-99-2	Benzo(b)fluoranthene	740.	U
207-08-9	Benzo(k)fluoranthene	740.	U
50-32-8	Benzo(a)pyrene	740.	U
193-39-5	Indeno(1,2,3-cd)pyrene	740.	U
53-70-3	Dibenzo(a,h)anthracene	740.	U
191-24-2	Benzo(g,h,i)perylene	740.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5757

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.00000

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.71	720.	
2.	Unknown	6.38	9400.	
3.	Unknown	8.13	230.	
4.	Unknown	8.76	180.	
5.	Unknown	10.53	2500.	
6.	Unknown	12.69	150.	
7.	Unknown alkane	16.92	2000.	
8.	Phenol, bis(dimethylethyl)-	17.97	170.	
9.	Unknown ester	19.10	160.	
10.	Unknown	19.89	150.	
11.	Unknown	20.18	130.	
12.	Unknown	21.66	130.	
13.	Unknown phthalate	22.20	120.	
14.	Unknown	26.94	150.	
15.	Unknown	27.55	170.	
16.	Unknown	29.32	1900.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-2

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W3058

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/02/91

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	8.	U
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	8.	U
76-44-8	Heptachlor	8.	U
309-00-2	Aldrin	8.	U
1024-57-3	Heptachlor Epoxide	8.	U
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	160.	U
11096-82-5	Arochlor-1260	160.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X104

Matrix (soil/water) SOIL Lab Sample ID: 200224-3

Level (low/med): Date Received: 6/27/91

% Solids: 91

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	22200		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	4.6		BH	
7440-39-3	Barium	120		P	
7440-41-7	Beryllium	2.7		P	N
7440-43-9	Cadmium	0.88	U	P	
7440-70-2	Calcium	6120		P	
7440-47-3	Chromium	35		P	
7440-48-4	Cobalt	12		P	N
7440-50-8	Copper	22		P	
7439-89-6	Iron	19800		P	
7439-92-1	Lead	56		P	*
7439-95-4	Magnesium	4060		P	
7439-96-5	Manganese	530		P	
7439-97-6	Mercury	0.088	U	CV	
7440-02-0	Nickel	34		P	N
7440-09-7	Potassium	2140		P	
7782-49-2	Selenium	0.70	U	BH	N
7440-22-4	Silver	1.8	U	P	N
7440-23-5	Sodium	180	U	P	
7440-28-0	Thallium	0.77	U	F	N
7440-62-2	Vanadium	56		P	
7440-66-6	Zinc	100		P	N

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X104

Matrix (soil/water) SOIL Lab Sample ID: 200224-3

Level (low/med): Date Received: 6/27/91

% Solids: 91

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.27	U	C	
	Phenol				
	Chloride				
	Sulfide	8.5	U		
	Sulfate	190			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-3

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7883

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 9 Date Analyzed: 7/05/91

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

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	48.	B
67-64-1	Acetone	11.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	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
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

L ⌐ Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-3

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7883

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 9 Date Analyzed: 7/05/91

Column: PACK Dilution Factor: 1.00000

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-	13.66	16.	
2.	Unknown	28.69	24.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5758

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 9.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:8.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	720.	U
111-44-4	bis(-2-Chloroethyl)ether	720.	U
95-57-8	2-Chlorophenol	720.	U
541-73-1	1,3-Dichlorobenzene	720.	U
106-46-7	1,4-Dichlorobenzene	720.	U
100-51-6	Benzyl alcohol	720.	U
95-50-1	1,2-Dichlorobenzene	720.	U
95-48-7	2-Methylphenol	720.	U
39638-32-9	bis(2-chloroisopropyl)ether	720.	U
106-44-5	4-Methylphenol	720.	U
621-64-7	N-Nitroso-Di-n-propylamine	720.	U
67-72-1	Hexachloroethane	720.	U
98-95-3	Nitrobenzene	720.	U
78-59-1	Isophorone	720.	U
88-75-5	2-Nitrophenol	720.	U
105-67-9	2,4-Dimethylphenol	720.	U
65-85-0	Benzoic acid	3500.	U
111-91-1	bis(-2-Chloroethoxy)methane	720.	U
120-83-2	2,4-Dichlorophenol	720.	U
120-82-1	1,2,4-Trichlorobenzene	720.	U
91-20-3	Naphthalene	720.	U
106-47-8	4-Chloroaniline	720.	U
87-68-3	Hexachlorobutadiene	720.	U
59-50-7	4-Chloro-3-methylphenol	720.	U
91-57-6	2-Methylnaphthalene	720.	U
77-47-4	Hexachlorocyclopentadiene	720.	U
88-06-2	2,4,6-Trichlorophenol	720.	U
95-95-4	2,4,5-Trichlorophenol	3500.	U
91-58-7	2-Chloronaphthalene	720.	U
88-74-4	2-Nitroaniline	3500.	U
131-11-3	Dimethylphthalate	720.	U
208-96-8	Acenaphthylene	720.	U
606-20-2	2,6-Dinitrotoluene	720.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5758

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 9.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:8.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3500.	U
83-32-9	Acenaphthene	720.	U
51-28-5	2,4-Dinitrophenol	3500.	U
100-02-7	4-Nitrophenol	3500.	U
132-64-9	Dibenzofuran	720.	U
121-14-2	2,4-Dinitrotoluene	720.	U
84-66-2	Diethylphthalate	720.	U
7005-72-3	4-Chlorophenyl-phenylether	720.	U
86-73-7	Fluorene	720.	U
100-01-6	4-Nitroaniline	3500.	U
534-52-1	4,6-Dinitro-2-methylphenol	3500.	U
86-30-6	N-Nitrosodiphenylamine (1)	720.	U
101-55-3	4-Bromophenyl-phenylether	720.	U
118-74-1	Hexachlorobenzene	720.	U
87-86-5	Pentachlorophenol	3500.	U
85-01-8	Phenanthrene	720.	U
120-12-7	Anthracene	720.	U
84-74-2	Di-n-butylphthalate	720.	U
206-44-0	Fluoranthene	720.	U
129-00-0	Pyrene	720.	U
85-68-7	Butylbenzylphthalate	720.	U
91-94-1	3,3'-Dichlorobenzidine	1400.	U
56-55-3	Benzo(a)anthracene	720.	U
218-01-9	Chrysene	720.	U
117-81-7	bis(2-Ethylhexyl)phthalate	320.	JB
117-84-0	Di-n-Octyl_Phthalate	720.	U
205-99-2	Benzo(b)fluoranthene	720.	U
207-08-9	Benzo(k)fluoranthene	720.	U
50-32-8	Benzo(a)pyrene	720.	U
193-39-5	Indeno(1,2,3-cd)pyrene	720.	U
53-70-3	Dibenzo(a,h)anthracene	720.	U
191-24-2	Benzo(g,h,i)perylene	720.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5758

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 9.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH: 8.0 Dilution Factor: 1.00000

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.71	340.	
2.	Unknown	6.38	8400.	
3.	Unknown	8.14	210.	
4.	Unknown	10.53	2400.	
5.	Unknown	12.69	180.	
6.	Unknown alkane	16.93	3600.	
7.	Phenol, bis(dimethylethyl)-	17.97	190.	
8.	Unknown	19.10	150.	
9.	Unknown	19.90	150.	
10.	Unknown	21.66	100.	
11.	Unknown	26.95	140.	
12.	Unknown	27.55	190.	
13.	Unknown	29.32	980.	
14.	Unknown alkane	31.17	300.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W3067

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 9.0 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/11/91

GPC Cleanup: (Y/N) Y pH: 8.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	8.	U
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	8.	U
76-44-8	Heptachlor	8.	U
309-00-2	Aldrin	8.	U
1024-57-3	Heptachlor Epoxide	8.	U
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	160.	U
11096-82-5	Arochlor-1260	160.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X105

Matrix (soil/water) SOIL Lab Sample ID: 200224-4

Level (low/med): Date Received: 6/27/91

% Solids: 89

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	2300		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	2.3		BH	
7440-39-3	Barium	380		P	
7440-41-7	Beryllium	0.90	U	P	N
7440-43-9	Cadmium	1.1		P	
7440-70-2	Calcium	58800		P	
7440-47-3	Chromium	12		P	
7440-48-4	Cobalt	9.0	U	P	N
7440-50-8	Copper	47		P	
7439-89-6	Iron	7710		P	
7439-92-1	Lead	83		P	*
7439-95-4	Magnesium	2360		P	
7439-96-5	Manganese	78		P	
7439-97-6	Mercury	0.75		CV	
7440-02-0	Nickel	27		P	N
7440-09-7	Potassium	[280]		P	
7782-49-2	Selenium	0.82	U	BH	N
7440-22-4	Silver	1.8	U	P	N
7440-23-5	Sodium	1150		P	
7440-28-0	Thallium	0.91	U	F	NW
7440-62-2	Vanadium	17		P	
7440-66-6	Zinc	790		P	N

Color Before: DARK BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X105

Matrix (soil/water) SOIL Lab Sample ID: 200224-4

Level (low/med): Date Received: 6/27/91

% Solids: 89

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.25	U	C	
	Phenol				
	Chloride				
	Sulfide	490			
	Sulfate	190			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >V9804

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11 Date Analyzed: 7/03/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1100.	U
74-83-9	Bromomethane	1100.	U
75-01-4	Vinyl Chloride	1100.	U
75-00-3	Chloroethane	1100.	U
75-09-2	Methylene Chloride	970.	B
67-64-1	Acetone	1100.	U
75-15-0	Carbon Disulfide	560.	U
75-35-4	1,1-Dichloroethene	560.	U
75-34-3	1,1-Dichloroethane	560.	U
540-59-0	1,2-Dichloroethene (total)	560.	U
67-66-3	Chloroform	560.	U
107-06-2	1,2-Dichloroethane	560.	U
78-93-3	2-Butanone	1100.	U
71-55-6	1,1,1-Trichloroethane	560.	U
56-23-5	Carbon Tetrachloride	560.	U
108-05-4	Vinyl Acetate	1100.	U
75-27-4	Bromodichloromethane	560.	U
78-87-5	1,2-Dichloropropane	560.	U
10061-01-5	cis-1,3-Dichloropropene	560.	U
79-01-6	Trichloroethene	560.	U
124-48-1	Dibromochloromethane	560.	U
79-00-5	1,1,2-Trichloroethane	560.	U
71-43-2	Benzene	72.	J
10061-02-6	trans-1,3-Dichloropropene	560.	U
75-25-2	Bromoform	560.	U
108-10-1	4-Methyl-2-pentanone	1100.	U
591-78-6	2-Hexanone	1100.	U
127-18-4	Tetrachloroethene	560.	U
79-34-5	1,1,2,2-Tetrachloroethane	560.	U
108-88-3	Toluene	1400.	
108-90-7	Chlorobenzene	560.	U
100-41-4	Ethylbenzene	560.	U
100-42-5	Styrene	560.	U
108-38-3	m-Xylene	200.	J
106-42-3	o & p-Xylene	200.	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >V9804

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11 Date Analyzed: 7/03/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 8

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-	13.48	1600	
2.		Unknown	16.35	1500.	
3.		Unknown	18.44	630.	
4.		Unknown	20.41	2600.	
5.		Unknown	21.07	470.	
6.	589344	Hexane, 3-methyl-	23.43	520.	
7.		Unknown	27.70	430.	
8.	95501	Benzene, 1,2-dichloro-	37.04	26000.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4RE

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >V9815

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11 Date Analyzed: 7/04/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1100.	U
74-83-9	Bromomethane	1100.	U
75-01-4	Vinyl Chloride	1100.	U
75-00-3	Chloroethane	1100.	U
75-09-2	Methylene_Chloride	580.	JB
67-64-1	Acetone	1100.	U
75-15-0	Carbon Disulfide	560.	U
75-35-4	1,1-Dichloroethene	560.	U
75-34-3	1,1-Dichloroethane	560.	U
540-59-0	1,2-Dichloroethene_(total)	560.	U
67-66-3	Chloroform	560.	U
107-06-2	1,2-Dichloroethane	560.	U
78-93-3	2-Butanone	1100.	U
71-55-6	1,1,1-Trichloroethane	560.	U
56-23-5	Carbon Tetrachloride	560.	U
108-05-4	Vinyl Acetate	1100.	U
75-27-4	Bromodichloromethane	560.	U
78-87-5	1,2-Dichloropropane	560.	U
10061-01-5	cis-1,3-Dichloropropene	560.	U
79-01-6	Trichloroethene	560.	U
124-48-1	Dibromochloromethane	560.	U
79-00-5	1,1,2-Trichloroethane	560.	U
71-43-2	Benzene	70.	J
10061-02-6	trans-1,3-Dichloropropene	560.	U
75-25-2	Bromoform	560.	U
108-10-1	4-Methyl-2-pentanone	1100.	U
591-78-6	2-Hexanone	1100.	U
127-18-4	Tetrachloroethene	560.	U
79-34-5	1,1,2,2-Tetrachloroethane	560.	U
108-88-3	Toluene	1300.	
108-90-7	Chlorobenzene	560.	U
100-41-4	Ethylbenzene	560.	U
100-42-5	Styrene	560.	U
108-38-3	m-Xylene	220.	J
106-42-3	o & p-Xylene	210.	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4RE

Sample wt/vol: 4.0 (g/mL) g Lab File ID: >V9815

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11 Date Analyzed: 7/04/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.44	3100.	
2.	96377	Cyclopentane, methyl-	16.30	1500.	
3.		Unknown	18.39	620.	
4.	110543	Hexane	20.37	2500.	
5.	589344	Hexane, 3-methyl-	23.43	490.	
6.		Unknown	27.42	850.	
7.		Unknown	33.93	870.	
8.	95501	Benzene, 1,2-dichloro-	36.95	23000.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

L Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5759

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	22000.	U
111-44-4	bis(-2-Chloroethyl)ether	22000.	U
95-57-8	2-Chlorophenol	22000.	U
541-73-1	1,3-Dichlorobenzene	22000.	U
106-46-7	1,4-Dichlorobenzene	25000.	
100-51-6	Benzyl alcohol	22000.	U
95-50-1	1,2-Dichlorobenzene	22000.	U
95-48-7	2-Methylphenol	22000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	22000.	U
106-44-5	4-Methylphenol	22000.	U
621-64-7	N-Nitroso-Di-n-propylamine	22000.	U
67-72-1	Hexachloroethane	22000.	U
98-95-3	Nitrobenzene	22000.	U
78-59-1	Isophorone	22000.	U
88-75-5	2-Nitrophenol	22000.	U
105-67-9	2,4-Dimethylphenol	22000.	U
65-85-0	Benzoic acid	110000.	U
111-91-1	bis(-2-Chloroethoxy)methane	22000.	U
120-83-2	2,4-Dichlorophenol	22000.	U
120-82-1	1,2,4-Trichlorobenzene	22000.	U
91-20-3	Naphthalene	22000.	U
106-47-8	4-Chloroaniline	22000.	U
87-68-3	Hexachlorobutadiene	22000.	U
59-50-7	4-Chloro-3-methylphenol	22000.	U
91-57-6	2-Methylnaphthalene	22000.	U
77-47-4	Hexachlorocyclopentadiene	22000.	U
88-06-2	2,4,6-Trichlorophenol	22000.	U
95-95-4	2,4,5-Trichlorophenol	110000.	U
91-58-7	2-Chloronaphthalene	22000.	U
88-74-4	2-Nitroaniline	110000.	U
131-11-3	Dimethylphthalate	22000.	U
208-96-8	Acenaphthylene	22000.	U
606-20-2	2,6-Dinitrotoluene	22000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5759

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	110000.	U
83-32-9	Acenaphthene	22000.	U
51-28-5	2,4-Dinitrophenol	110000.	U
100-02-7	4-Nitrophenol	110000.	U
132-64-9	Dibenzofuran	22000.	U
121-14-2	2,4-Dinitrotoluene	22000.	U
84-66-2	Diethylphthalate	22000.	U
7005-72-3	4-Chlorophenyl-phenylether	22000.	U
86-73-7	Fluorene	22000.	U
100-01-6	4-Nitroaniline	110000.	U
534-52-1	4,6-Dinitro-2-methylphenol	110000.	U
86-30-6	N-Nitrosodiphenylamine (1)	22000.	U
101-55-3	4-Bromophenyl-phenylether	22000.	U
118-74-1	Hexachlorobenzene	22000.	U
87-86-5	Pentachlorophenol	13000.	J
85-01-8	Phenanthrene	22000.	U
120-12-7	Anthracene	22000.	U
84-74-2	Di-n-butylphthalate	22000.	U
206-44-0	Fluoranthene	22000.	U
129-00-0	Pyrene	22000.	U
85-68-7	Butylbenzylphthalate	22000.	U
91-94-1	3,3'-Dichlorobenzidine	44000.	U
56-55-3	Benzo(a)anthracene	22000.	U
218-01-9	Chrysene	22000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000.	U
117-84-0	Di-n-Octyl_Phthalate	22000.	U
205-99-2	Benzo(b)fluoranthene	22000.	U
207-08-9	Benzo(k)fluoranthene	22000.	U
50-32-8	Benzo(a)pyrene	22000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	22000.	U
53-70-3	Dibenzo(a,h)anthracene	22000.	U
191-24-2	Benzo(g,h,i)perylene	22000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5759

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 7.5 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	10.53	180000.	
2.	Unknown alkane	18.42	140000.	
3.	Unknown	18.49	52000.	
4.	Unknown alkane	18.57	47000.	
5.	Unknown alkane	18.64	70000.	
6.	Unknown alkane	18.73	59000.	
7.	Unknown alkane	19.09	120000.	
8.	Unknown alkane	20.29	92000.	
9.	Unknown alkane	20.80	310000.	
10.	Unknown alkane	20.89	90000.	
11.	Unknown alkane	20.96	48000.	
12.	Unknown	21.44	59000.	
13.	Unknown alkane	21.55	70000.	
14.	Unknown	22.48	120000.	
15.	Unknown alkane	22.53	150000.	
16.	Unknown	23.53	260000.	
17.	Unknown alkane	23.57	210000.	
18.	Unknown	24.31	69000.	
19.	Unknown	24.52	71000.	
20.	Unknown	29.30	420000.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5778

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/08/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	22000.	U
111-44-4	bis(-2-Chloroethyl)ether	22000.	U
95-57-8	2-Chlorophenol	22000.	U
541-73-1	1,3-Dichlorobenzene	22000.	U
106-46-7	1,4-Dichlorobenzene	27000.	
100-51-6	Benzyl alcohol	22000.	U
95-50-1	1,2-Dichlorobenzene	22000.	U
95-48-7	2-Methylphenol	22000.	U
39638-32-9	bis(2-chloroisopropyl)ether	22000.	U
106-44-5	4-Methylphenol	22000.	U
621-64-7	N-Nitroso-Di-n-propylamine	22000.	U
67-72-1	Hexachloroethane	22000.	U
98-95-3	Nitrobenzene	22000.	U
78-59-1	Isophorone	22000.	U
88-75-5	2-Nitrophenol	22000.	U
105-67-9	2,4-Dimethylphenol	22000.	U
65-85-0	Benzoic acid	110000.	U
111-91-1	bis(-2-Chloroethoxy)methane	22000.	U
120-83-2	2,4-Dichlorophenol	22000.	U
120-82-1	1,2,4-Trichlorobenzene	22000.	U
91-20-3	Naphthalene	22000.	U
106-47-8	4-Chloroaniline	22000.	U
87-68-3	Hexachlorobutadiene	22000.	U
59-50-7	4-Chloro-3-methylphenol	22000.	U
91-57-6	2-Methylnaphthalene	22000.	U
77-47-4	Hexachlorocyclopentadiene	22000.	U
88-06-2	2,4,6-Trichlorophenol	22000.	U
95-95-4	2,4,5-Trichlorophenol	110000.	U
91-58-7	2-Chloronaphthalene	22000.	U
88-74-4	2-Nitroaniline	110000.	U
131-11-3	Dimethylphthalate	22000.	U
208-96-8	Acenaphthylene	22000.	U
606-20-2	2,6-Dinitrotoluene	22000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5778

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/08/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	110000.	U
83-32-9	Acenaphthene	22000.	U
51-28-5	2,4-Dinitrophenol	110000.	U
100-02-7	4-Nitrophenol	110000.	U
132-64-9	Dibenzofuran	22000.	U
121-14-2	2,4-Dinitrotoluene	22000.	U
84-66-2	Diethylphthalate	22000.	U
7005-72-3	4-Chlorophenyl-phenylether	22000.	U
86-73-7	Fluorene	22000.	U
100-01-6	4-Nitroaniline	110000.	U
534-52-1	4,6-Dinitro-2-methylphenol	110000.	U
86-30-6	N-Nitrosodiphenylamine (1)	22000.	U
101-55-3	4-Bromophenyl-phenylether	22000.	U
118-74-1	Hexachlorobenzene	22000.	U
87-86-5	Pentachlorophenol	15000.	J
85-01-8	Phenanthrene	22000.	U
120-12-7	Anthracene	22000.	U
84-74-2	Di-n-butylphthalate	22000.	U
206-44-0	Fluoranthene	22000.	U
129-00-0	Pyrene	22000.	U
85-68-7	Butylbenzylphthalate	22000.	U
91-94-1	3,3'-Dichlorobenzidine	44000.	U
56-55-3	Benzo(a)anthracene	22000.	U
218-01-9	Chrysene	22000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000.	U
117-84-0	Di-n-Octyl_Phthalate	22000.	U
205-99-2	Benzo(b)fluoranthene	22000.	U
207-08-9	Benzo(k)fluoranthene	22000.	U
50-32-8	Benzo(a)pyrene	22000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	22000.	U
53-70-3	Dibenzo(a,h)anthracene	22000.	U
191-24-2	Benzo(g,h,i)perylene	22000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4RE

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5778

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 11.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/08/91

GCP Cleanup: (Y/N) Y pH: 7.5 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	10.49	190000.	
2.	Unknown alkane	17.76	57000.	
3.	Unknown alkane	18.37	150000.	
4.	Unknown alkane	18.44	57000.	
5.	Unknown alkane	18.58	85000.	
6.	Unknown alkane	18.67	78000.	
7.	Unknown alkane	19.04	150000.	
8.	Unknown alkane	20.24	94000.	
9.	Unknown alkane	20.76	280000.	
10.	Unknown alkane	20.83	75000.	
11.	Unknown alkane	20.91	44000.	
12.	Unknown	21.39	43000.	
13.	Unknown	21.50	76000.	
14.	Unknown	21.85	39000.	
15.	Unknown	22.40	34000.	
16.	Unknown	22.47	150000.	
17.	Unknown	22.90	47000.	
18.	Unknown alkane	23.53	250000.	
19.	Unknown	24.52	77000.	
20.	Unknown	29.26	700000.	
21.				
22.				
23.				
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-4

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W1096

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 11 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/05/91

GPC Cleanup: (Y/N) Y pH: 7.5 Dilution Factor: 10.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	21.	
319-85-7	Beta-BHC	9.0	U
319-86-8	Delta-BHC	9.0	U
58-89-9	Gamma-BHC (Lindane)	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor Epoxide	23.	
959-98-8	Endosulfan I	9.0	U
60-57-1	Dieldrin	18.	U
72-55-9	4,4'-DDE	590.	
72-20-8	Endrin	110.	
33213-65-9	Endosulfan II	84.	
72-54-8	4,4'-DDD	45.	
7421-93-4	Endrin Aldehyde	18.	U
1031-07-8	Endosulfan Sulfate	18.	U
50-29-3	4,4'-DDT	380.	
72-43-5	Methoxychlor	90.	U
53494-70-5	Endrin Ketone	18.	U
5103-71-9	alpha-Chlordane *	90.	U
5103-74-2	gamma-Chlordane *	90.	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Arochlor-1016	90.	U
11104-28-2	Arochlor-1221	90.	U
11141-16-5	Arochlor-1232	90.	U
53469-21-9	Arochlor-1242	90.	U
12672-29-6	Arochlor-1248	90.	U
11097-69-1	Arochlor-1254	180.	U
11096-82-5	Arochlor-1260	180.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X106

Matrix (soil/water) SOIL Lab Sample ID: 200224-5

Level (low/med): Date Received: 6/27/91

% Solids: 86

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	1800		P	
7440-36-0	Antimony	13	U	P	N
7440-38-2	Arsenic	4.0		BH	
7440-39-3	Barium	220		P	
7440-41-7	Beryllium	1.1	U	P	N
7440-43-9	Cadmium	5.7		P	
7440-70-2	Calcium	106000		P	
7440-47-3	Chromium	23		P	
7440-48-4	Cobalt	11	U	P	N
7440-50-8	Copper	38		P	
7439-89-6	Iron	5270		P	
7439-92-1	Lead	84		P	*
7439-95-4	Magnesium	4240		P	
7439-96-5	Manganese	62		P	
7439-97-6	Mercury	0.080	U	CV	
7440-02-0	Nickel	10		P	N
7440-09-7	Potassium	[250]		P	
7782-49-2	Selenium	0.93	U	BH	N
7440-22-4	Silver	2.2	U	P	N
7440-23-5	Sodium	1400		P	
7440-28-0	Thallium	1.0	U	F	NW
7440-62-2	Vanadium	11		P	
7440-66-6	Zinc	560		P	N

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X106

Matrix (soil/water) SOIL Lab Sample ID: 200224-5

Level (low/med): Date Received: 6/27/91

% Solids: 86

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.24	U	C	
	Phenol				
	Chloride				
	Sulfide	330			
	Sulfate	2700			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7873

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14 Date Analyzed: 7/03/91

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

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	47.	B
67-64-1	Acetone	34.	
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	64.	
108-90-7	Chlorobenzene	6.	
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7873

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14 Date Analyzed: 7/03/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.60	21.	
2.	110827	Cyclohexane	15.69	31.	
3.		Unknown	16.47	44.	
4.		Unknown	18.48	19.	
5.		Unknown	18.83	13.	
6.		Unknown	20.42	56.	
7.		Unknown	21.04	8.	
8.	589344	Hexane, 3-methyl-	23.40	15.	
9.	591764	Hexane, 2-methyl-	23.91	20.	
10.	95501	Benzene, 1,2-dichloro-	37.09	160.	
11.					
12.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5765

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

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	1200.	
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	320.	J
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.

X106

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5765

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

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.

X106

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5765

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 7.5 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	6.28	2700.	
2. 108429	m-Chloroaniline	12.32	3800.	
3.	Unknown	17.17	5800.	
4.	Unknown alkane	17.28	2400.	
5.	Unknown alkane	17.36	3900.	
6.	Unknown alkane	17.45	2800.	
7.	Unknown alkane	17.86	7200.	
8.	Unknown	18.44	5900.	
9.	Unknown	18.51	2400.	
10.	Unknown alkane	18.65	3500.	
11.	Unknown	18.75	2400.	
12.	Unknown alkane	19.13	5600.	
13.	Unknown	19.82	2700.	
14.	Unknown alkane	20.33	4300.	
15.	Unknown alkane	20.41	3000.	
16.	Unknown alkane	20.83	3400.	
17.	Unknown alkane	21.04	2200.	
18.	Unknown alkane	21.59	2900.	
19.	Unknown	22.56	2600.	
20.	Unknown alkane	23.63	2600.	
21.				
22.				
23.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5RE

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5779

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/08/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

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	2100.	
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	290.	J
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.

X106RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5RE

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5779

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/08/91

GPC Cleanup: (Y/N) Y pH:7.5 Dilution Factor: 1.00000

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.

X106RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5RE

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5779

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/08/91

GCP Cleanup: (Y/N) Y pH: 7.5 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	6.22	9600.	
2. 108429	m-Chloroaniline	12.28	6100.	
3.	Unknown alkane	16.43	3700.	
4.	Unknown	17.12	9400.	
5.	Unknown	17.16	3700.	
6.	Unknown alkane	17.24	4100.	
7.	Unknown alkane	17.32	6600.	
8.	Unknown alkane	17.41	4800.	
9.	Unknown	17.82	12000.	
10.	Unknown	17.90	7800.	
11.	Unknown	18.40	6200.	
12.	Unknown	18.47	4300.	
13.	Unknown alkane	18.62	6700.	
14.	Unknown alkane	18.71	4900.	
15.	Unknown alkane	19.10	9400.	
16.	Unknown	19.78	3800.	
17.	Unknown alkane	20.30	5500.	
18.	Unknown alkane	20.38	3300.	
19.	Unknown alkane	20.80	3400.	
20.	Unknown alkane	21.58	3200.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-5

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W1097

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 14 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/11/91

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	9.3	U
319-85-7	Beta-BHC	9.3	U
319-86-8	Delta-BHC	9.3	U
58-89-9	Gamma-BHC (Lindane)	9.3	U
76-44-8	Heptachlor	9.3	U
309-00-2	Aldrin	23.	
1024-57-3	Heptachlor Epoxide	13.	
959-98-8	Endosulfan I	9.3	U
60-57-1	Dieldrin	19.	U
72-55-9	4,4'-DDE	570.	
72-20-8	Endrin	19.	U
33213-65-9	Endosulfan II	19.	U
72-54-8	4,4'-DDD	19.	U
7421-93-4	Endrin Aldehyde	19.	U
1031-07-8	Endosulfan Sulfate	19.	U
50-29-3	4,4'-DDT	58.	
72-43-5	Methoxychlor	93.	U
53494-70-5	Endrin Ketone	110.	
5103-71-9	alpha-Chlordane *	93.	U
5103-74-2	gamma-Chlordane *	93.	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Arochlor-1016	93.	U
11104-28-2	Arochlor-1221	93.	U
11141-16-5	Arochlor-1232	93.	U
53469-21-9	Arochlor-1242	93.	U
12672-29-6	Arochlor-1248	93.	U
11097-69-1	Arochlor-1254	190.	U
11096-82-5	Arochlor-1260	190.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X107

Matrix (soil/water) SOIL Lab Sample ID: 200224-6

Level (low/med): Date Received: 6/27/91

% Solids: 98

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	5600		P	
7440-36-0	Antimony	9.5	U	P	N
7440-38-2	Arsenic	3.4		BH	
7440-39-3	Barium	81		P	
7440-41-7	Beryllium	0.80	U	P	N
7440-43-9	Cadmium	0.80	U	P	
7440-70-2	Calcium	17000		P	
7440-47-3	Chromium	6.1		P	
7440-48-4	Cobalt	8.0	U	P	N
7440-50-8	Copper	4.7		P	
7439-89-6	Iron	7110		P	
7439-92-1	Lead	49		P	*
7439-95-4	Magnesium	3960		P	
7439-96-5	Manganese	150		P	
7439-97-6	Mercury	0.060	U	CV	
7440-02-0	Nickel	9.0		P	N
7440-09-7	Potassium	930		P	
7782-49-2	Selenium	0.67	U	BH	N
7440-22-4	Silver	1.6	U	P	N
7440-23-5	Sodium	160	U	P	
7440-28-0	Thallium	0.74	U	F	NW
7440-62-2	Vanadium	17		P	
7440-66-6	Zinc	46		P	N

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES(ROCKS)

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X107

Matrix (soil/water) SOIL Lab Sample ID: 200224-6

Level (low/med): Date Received: 6/27/91

% Solids: 98

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.17	U	C	
	Phenol				
	Chloride				
	Sulfide	130			
	Sulfate	170			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7874

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 2 Date Analyzed: 7/03/91

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

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	78.	B
67-64-1	Acetone	22.	
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	4.	J
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.	J
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	4.	J
106-42-3	o & p-Xylene	25.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7874

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 2 Date Analyzed: 7/03/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	3.96	6.	
2. 75694	Methane, trichlorofluoro-	9.81	4.	
3.	Unknown	10.66	8.	
4. 76131	Ethane, 1,1,2-trichloro- 1,2,2,-trifluoro-	13.64	48.	
5.	Unknown	27.51	16.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7684

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 2 Date Analyzed: 7/05/91

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

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	40.	B
67-64-1	Acetone	16.	
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.	
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	7.	
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	10.	
106-42-3	o & p-Xylene	19.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7884

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 2 Date Analyzed: 7/05/91

Column: PACK Dilution Factor: 1.00000

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-	13.66	16.	
2.	Unknown aromatic	37.02	81.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5767

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 2.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/04/91

GPC Cleanup: (Y/N) Y pH:6.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	20000.	U
111-44-4	bis(-2-Chloroethyl)ether	20000.	U
95-57-8	2-Chlorophenol	20000.	U
541-73-1	1,3-Dichlorobenzene	20000.	U
106-46-7	1,4-Dichlorobenzene	20000.	U
100-51-6	Benzyl alcohol	20000.	U
95-50-1	1,2-Dichlorobenzene	20000.	U
95-48-7	2-Methylphenol	20000.	U
39638-32-9	bis(2-chloroisopropyl)ether	20000.	U
106-44-5	4-Methylphenol	20000.	U
621-64-7	N-Nitroso-Di-n-propylamine	20000.	U
67-72-1	Hexachloroethane	20000.	U
98-95-3	Nitrobenzene	20000.	U
78-59-1	Isophorone	20000.	U
88-75-5	2-Nitrophenol	20000.	U
105-67-9	2,4-Dimethylphenol	20000.	U
65-85-0	Benzoic acid	98000.	U
111-91-1	bis(-2-Chloroethoxy)methane	20000.	U
120-83-2	2,4-Dichlorophenol	20000.	U
120-82-1	1,2,4-Trichlorobenzene	20000.	U
91-20-3	Naphthalene	20000.	U
106-47-8	4-Chloroaniline	20000.	U
87-68-3	Hexachlorobutadiene	20000.	U
59-50-7	4-Chloro-3-methylphenol	20000.	U
91-57-6	2-Methylnaphthalene	35000.	
77-47-4	Hexachlorocyclopentadiene	20000.	U
88-06-2	2,4,6-Trichlorophenol	20000.	U
95-95-4	2,4,5-Trichlorophenol	98000.	U
91-58-7	2-Chloronaphthalene	20000.	U
88-74-4	2-Nitroaniline	98000.	U
131-11-3	Dimethylphthalate	20000.	U
208-96-8	Acenaphthylene	20000.	U
606-20-2	2,6-Dinitrotoluene	20000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5767

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 2.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/04/91

GPC Cleanup: (Y/N) Y pH:6.0 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	98000.	U
83-32-9	Acenaphthene	20000.	U
51-28-5	2,4-Dinitrophenol	98000.	U
100-02-7	4-Nitrophenol	98000.	U
132-64-9	Dibenzofuran	20000.	U
121-14-2	2,4-Dinitrotoluene	20000.	U
84-66-2	Diethylphthalate	20000.	U
7005-72-3	4-Chlorophenyl-phenylether	20000.	U
86-73-7	Fluorene	11000.	J
100-01-6	4-Nitroaniline	98000.	U
534-52-1	4,6-Dinitro-2-methylphenol	98000.	U
86-30-6	N-Nitrosodiphenylamine (1)	20000.	U
101-55-3	4-Bromophenyl-phenylether	20000.	U
118-74-1	Hexachlorobenzene	20000.	U
87-86-5	Pentachlorophenol	98000.	U
85-01-8	Phenanthrene	79000.	
120-12-7	Anthracene	6600.	J
84-74-2	Di-n-butylphthalate	20000.	U
206-44-0	Fluoranthene	20000.	U
129-00-0	Pyrene	75000.	
85-68-7	Butylbenzylphthalate	20000.	U
91-94-1	3,3'-Dichlorobenzidine	40000.	U
56-55-3	Benzo(a)anthracene	20000.	U
218-01-9	Chrysene	20000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	20000.	U
117-84-0	Di-n-Octyl_Phthalate	20000.	U
205-99-2	Benzo(b)fluoranthene	20000.	U
207-08-9	Benzo(k)fluoranthene	20000.	U
50-32-8	Benzo(a)pyrene	16000.	J
193-39-5	Indeno(1,2,3-cd)pyrene	20000.	U
53-70-3	Dibenzo(a,h)anthracene	20000.	U
191-24-2	Benzo(g,h,i)perylene	20000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5767

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 2.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/04/91

GCP Cleanup: (Y/N) Y pH: 6.0 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	10.54	210000.	
2.	Unknown alkane	19.09	75000.	
3.	Unknown alkane	20.30	170000.	
4.	Unknown alkane	20.37	64000.	
5.	Unknown	22.45	100000.	
6.	Unknown alkane	22.53	190000.	
7.	Unknown PAH	22.67	68000.	
8.	Unknown PAH	22.74	76000.	
9.	Unknown	23.51	60000.	
10.	Unknown alkane	23.57	200000.	
11.	Unknown aromatic	24.13	79000.	
12.	Unknown	24.50	66000.	
13.	Unknown alkane	24.55	130000.	
14.	Unknown	25.45	83000.	
15.	Unknown	26.35	120000.	
16.	Unknown	26.39	120000.	
17.	Unknown	27.22	90000.	
18.	Unknown	28.86	84000.	
19.	Unknown	29.29	100000.	
20.	Unknown	29.32	110000.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name:ARDL, INC. Contract:SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-6

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W3012

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 2.0 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/05/91

GPC Cleanup: (Y/N) Y pH:6.0 Dilution Factor: 10.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	41.	U
319-85-7	Beta-BHC	41.	U
319-86-8	Delta-BHC	41.	U
58-89-9	Gamma-BHC (Lindane)	420.	
76-44-8	Heptachlor	41.	U
309-00-2	Aldrin	210.	
1024-57-3	Heptachlor Epoxide	270.	
959-98-8	Endosulfan I	48.	
60-57-1	Dieldrin	2000.	
72-55-9	4,4'-DDE	82.	U
72-20-8	Endrin	82.	U
33213-65-9	Endosulfan II	1600.	
72-54-8	4,4'-DDD	240.	
7421-93-4	Endrin Aldehyde	82.	U
1031-07-8	Endosulfan Sulfate	82.	U
50-29-3	4,4'-DDT	1600.	
72-43-5	Methoxychlor	2400.	
53494-70-5	Endrin Ketone	550.	
5103-71-9	alpha-Chlordane *	410.	U
5103-74-2	gamma-Chlordane *	410.	U
8001-35-2	Toxaphene	820.	U
12674-11-2	Arochlor-1016	420.	U
11104-28-2	Arochlor-1221	420.	U
11141-16-5	Arochlor-1232	420.	U
53469-21-9	Arochlor-1242	420.	U
12672-29-6	Arochlor-1248	420.	U
11097-69-1	Arochlor-1254	820.	U
11096-82-5	Arochlor-1260	820.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X108

Matrix (soil/water) SOIL Lab Sample ID: 200224-7

Level (low/med): Date Received: 6/27/91

% Solids: 94

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	8900		P	
7440-36-0	Antimony	10	U	P	N
7440-38-2	Arsenic	3.1		BH	
7440-39-3	Barium	130		P	
7440-41-7	Beryllium	0.83	U	P	N
7440-43-9	Cadmium	0.83	U	P	
7440-70-2	Calcium	5560		P	
7440-47-3	Chromium	9.2		P	
7440-48-4	Cobalt	8.3	U	P	N
7440-50-8	Copper	24		P	
7439-89-6	Iron	10900		P	
7439-92-1	Lead	62		P	*
7439-95-4	Magnesium	3040		P	
7439-96-5	Manganese	200		P	
7439-97-6	Mercury	0.085	U	CV	
7440-02-0	Nickel	14		P	N
7440-09-7	Potassium	1580		P	
7782-49-2	Selenium	0.70	U	BH	N
7440-22-4	Silver	1.7	U	P	N
7440-23-5	Sodium	170	U	P	
7440-28-0	Thallium	0.78	U	F	NW
7440-62-2	Vanadium	25		P	
7440-66-6	Zinc	150		P	N

Color Before: TAN Clarity Before: Texture: FINE

Color After: LIGHT YELLOW Clarity After: CLEAR Artifacts: YES(ROCKS)

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X108

Matrix (soil/water) SOIL Lab Sample ID: 200224-7

Level (low/med): Date Received: 6/27/91

% Solids: 94

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.20	U	C	
	Phenol				
	Chloride				
	Sulfide	9.7	U		
	Sulfate	110			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-7

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7875

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 6 Date Analyzed: 7/04/91

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

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	43.	B
67-64-1	Acetone	38.	
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
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-7

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7875

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 6 Date Analyzed: 7/04/91

Column: PACK Dilution Factor: 1.00000

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-	13.64	30.	
2.		Unknown	27.16	5.	
3.		Unknown	31.12	19.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5760

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 6.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.6 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	700.	U
111-44-4	bis(-2-Chloroethyl)ether	700.	U
95-57-8	2-Chlorophenol	700.	U
541-73-1	1,3-Dichlorobenzene	700.	U
106-46-7	1,4-Dichlorobenzene	700.	U
100-51-6	Benzyl alcohol	700.	U
95-50-1	1,2-Dichlorobenzene	700.	U
95-48-7	2-Methylphenol	700.	U
39638-32-9	bis(2-chloroisopropyl)ether	700.	U
106-44-5	4-Methylphenol	700.	U
621-64-7	N-Nitroso-Di-n-propylamine	700.	U
67-72-1	Hexachloroethane	700.	U
98-95-3	Nitrobenzene	700.	U
78-59-1	Isophorone	700.	U
88-75-5	2-Nitrophenol	700.	U
105-67-9	2,4-Dimethylphenol	700.	U
65-85-0	Benzoic acid	3400.	U
111-91-1	bis(-2-Chloroethoxy)methane	700.	U
120-83-2	2,4-Dichlorophenol	700.	U
120-82-1	1,2,4-Trichlorobenzene	700.	U
91-20-3	Naphthalene	700.	U
106-47-8	4-Chloroaniline	700.	U
87-68-3	Hexachlorobutadiene	700.	U
59-50-7	4-Chloro-3-methylphenol	700.	U
91-57-6	2-Methylnaphthalene	700.	U
77-47-4	Hexachlorocyclopentadiene	700.	U
88-06-2	2,4,6-Trichlorophenol	700.	U
95-95-4	2,4,5-Trichlorophenol	3400.	U
91-58-7	2-Chloronaphthalene	700.	U
88-74-4	2-Nitroaniline	3400.	U
131-11-3	Dimethylphthalate	700.	U
208-96-8	Acenaphthylene	700.	U
606-20-2	2,6-Dinitrotoluene	700.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5760

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 6.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:7.6 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3400.	U
83-32-9	Acenaphthene	700.	U
51-28-5	2,4-Dinitrophenol	3400.	U
100-02-7	4-Nitrophenol	3400.	U
132-64-9	Dibenzofuran	700.	U
121-14-2	2,4-Dinitrotoluene	700.	U
84-66-2	Diethylphthalate	700.	U
7005-72-3	4-Chlorophenyl-phenylether	700.	U
86-73-7	Fluorene	700.	U
100-01-6	4-Nitroaniline	3400.	U
534-52-1	4,6-Dinitro-2-methylphenol	3400.	U
86-30-6	N-Nitrosodiphenylamine (1)	700.	U
101-55-3	4-Bromophenyl-phenylether	700.	U
118-74-1	Hexachlorobenzene	700.	U
87-86-5	Pentachlorophenol	3400.	U
85-01-8	Phenanthrene	700.	U
120-12-7	Anthracene	700.	U
84-74-2	Di-n-butylphthalate	700.	U
206-44-0	Fluoranthene	700.	U
129-00-0	Pyrene	700.	U
85-68-7	Butylbenzylphthalate	700.	U
91-94-1	3,3'-Dichlorobenzidine	1400.	U
56-55-3	Benzo(a)anthracene	700.	U
218-01-9	Chrysene	700.	U
117-81-7	bis(2-Ethylhexyl)phthalate	290.	JB
117-84-0	Di-n-Octyl_Phthalate	700.	U
205-99-2	Bénzo(b)fluoranthene	700.	U
207-08-9	Benzo(k)fluoranthene	700.	U
50-32-8	Benzo(a)pyrene	700.	U
193-39-5	Indeno(1,2,3-cd)pyrene	700.	U
53-70-3	Dibenzo(a,h)anthracene	700.	U
191-24-2	Benzo(g,h,i)perylene	700.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5760

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 6.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 7.6 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	5.30	410.	
2.	Unknown	5.70	360.	
3.	Unknown	6.18	240.	
4.	Unknown	6.38	8300.	
5. 79345	Ethane, 1,1,2,2-tetrachloro-	8.04	520.	
6.	Unknown	8.13	200.	
7.	Unknown	10.53	2400.	
8.	Unknown	12.68	260.	
9.	Unknown	16.92	240.	
10.	Phenol, bis(dimethylethyl)-	17.97	160.	
11.	Unknown	19.10	220.	
12.	Unknown	19.90	160.	
13.	Unknown	20.19	120.	
14.	Unknown	21.66	96.	
15.	Unknown phthalate	22.20	160.	
16.	Unknown	23.75	170.	
17.	Unknown	26.95	200.	
18.	Unknown	27.55	220.	
19.	Unknown alkane	29.31	1300.	
20.	Unknown alkane	31.17	300.	
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30.				

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W3065

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 6.0 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	17.	
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	8.	U
76-44-8	Heptachlor	8.	U
309-00-2	Aldrin	8.7	
1024-57-3	Heptachlor Epoxide	8.	U
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	21.	
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	20.	
33213-65-9	Endosulfan II	19.	
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	35.	
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	17.	
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	160.	U
11096-82-5	Arochlor-1260	160.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X109

Matrix (soil/water) SOIL Lab Sample ID: 200224-8

Level (low/med): Date Received: 6/27/91

% Solids: 85

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	16000		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	4.5		BH	
7440-39-3	Barium	180		P	
7440-41-7	Beryllium	1.1		P	N
7440-43-9	Cadmium	0.90	U	P	
7440-70-2	Calcium	6540		P	
7440-47-3	Chromium	14		P	
7440-48-4	Cobalt	9.1		P	N
7440-50-8	Copper	13		P	
7439-89-6	Iron	17700		P	
7439-92-1	Lead	43		P	*
7439-95-4	Magnesium	3790		P	
7439-96-5	Manganese	520		P	
7439-97-6	Mercury	0.090	U	CV	
7440-02-0	Nickel	18		P	N
7440-09-7	Potassium	2370		P	
7782-49-2	Selenium	0.84	U	BH	N
7440-22-4	Silver	1.8	U	P	N
7440-23-5	Sodium	180	U	P	
7440-28-0	Thallium	1.0	U	F	NW
7440-62-2	Vanadium	38		P	
7440-66-6	Zinc	100		P	N

Color Before: BROWN Clarity Before: Texture: FINE

Color After: LIGHT YELLOW Clarity After: CLEAR Artifacts: YES(ROCKS)

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X109

Matrix (soil/water) SOIL Lab Sample ID: 200224-8

Level (low/med): Date Received: 6/27/91

% Solids: 85

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.22	U	C	
	Phenol				
	Chloride				
	Sulfide	13	U		
	Sulfate	63			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

L Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-8

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7796

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 15 Date Analyzed: 6/29/91

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

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	4.	J
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	5.	J
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
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-8

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7796

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 15 Date Analyzed: 6/29/91

Column: PACK Dilution Factor: 1.00000

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-	13.66	18.	
2.					
3.					
4.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5761

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 15.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:6.6 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	780.	U
111-44-4	bis(-2-Chloroethyl)ether	780.	U
95-57-8	2-Chlorophenol	780.	U
541-73-1	1,3-Dichlorobenzene	780.	U
106-46-7	1,4-Dichlorobenzene	780.	U
100-51-6	Benzyl alcohol	780.	U
95-50-1	1,2-Dichlorobenzene	780.	U
95-48-7	2-Methylphenol	780.	U
39638-32-9	bis(2-chloroisopropyl)ether	780.	U
106-44-5	4-Methylphenol	780.	U
621-64-7	N-Nitroso-Di-n-propylamine	780.	U
67-72-1	Hexachloroethane	780.	U
98-95-3	Nitrobenzene	780.	U
78-59-1	Isophorone	780.	U
88-75-5	2-Nitrophenol	780.	U
105-67-9	2,4-Dimethylphenol	780.	U
65-85-0	Benzoic acid	3800.	U
111-91-1	bis(-2-Chloroethoxy)methane	780.	U
120-83-2	2,4-Dichlorophenol	780.	U
120-82-1	1,2,4-Trichlorobenzene	780.	U
91-20-3	Naphthalene	780.	U
106-47-8	4-Chloroaniline	780.	U
87-68-3	Hexachlorobutadiene	780.	U
59-50-7	4-Chloro-3-methylphenol	780.	U
91-57-6	2-Methylnaphthalene	780.	U
77-47-4	Hexachlorocyclopentadiene	780.	U
88-06-2	2,4,6-Trichlorophenol	780.	U
95-95-4	2,4,5-Trichlorophenol	3800.	U
91-58-7	2-Chloronaphthalene	780.	U
88-74-4	2-Nitroaniline	3800.	U
131-11-3	Dimethylphthalate	780.	U
208-96-8	Acenaphthylene	780.	U
606-20-2	2,6-Dinitrotoluene	780.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5761

Level: (low/med). LOW Date Received: 6/27/91

% Moisture: not dec. 15.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:6.6 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	3800.	U
83-32-9	Acenaphthene	780.	U
51-28-5	2,4-Dinitrophenol	3800.	U
100-02-7	4-Nitrophenol	3800.	U
132-64-9	Dibenzofuran	780.	U
121-14-2	2,4-Dinitrotoluene	780.	U
84-66-2	Diethylphthalate	780.	U
7005-72-3	4-Chlorophenyl-phenylether	780.	U
86-73-7	Fluorene	780.	U
100-01-6	4-Nitroaniline	3800.	U
534-52-1	4,6-Dinitro-2-methylphenol	3800.	U
86-30-6	N-Nitrosodiphenylamine (1)	780.	U
101-55-3	4-Bromophenyl-phenylether	780.	U
118-74-1	Hexachlorobenzene	780.	U
87-86-5	Pentachlorophenol	3800.	U
85-01-8	Phenanthrene	780.	U
120-12-7	Anthracene	780.	U
84-74-2	Di-n-butylphthalate	780.	U
206-44-0	Fluoranthene	780.	U
129-00-0	Pyrene	780.	U
85-68-7	Butylbenzylphthalate	780.	U
91-94-1	3,3'-Dichlorobenzidine	1600.	U
56-55-3	Benzo(a)anthracene	780.	U
218-01-9	Chrysene	780.	U
117-81-7	bis(2-Ethylhexyl)phthalate	180.	JB
117-84-0	Di-n-Octyl_Phthalate	780.	U
205-99-2	Benzo(b)fluoranthene	780.	U
207-08-9	Benzo(k)fluoranthene	780.	U
50-32-8	Benzo(a)pyrene	780.	U
193-39-5	Indeno(1,2,3-cd)pyrene	780.	U
53-70-3	Dibenzo(a,h)anthracene	780.	U
191-24-2	Benzo(g,h,i)perylene	780.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5761

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 15.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 6.6 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	5.30	590.	
2.		Unknown	5.71	670.	
3.		Unknown	6.15	310.	
4.		Unknown	6.37	9200.	
5.	79345	Ethane, 1,1,2,2-tetrachloro-	8.03	710.	
6.		Unknown	8.14	230.	
7.		Unknown	8.76	180.	
8.		Unknown	10.52	2200.	
9.		Unknown	12.68	310.	
10.		Unknown alkane	16.92	720.	
11.		Phenol, bis(dimethylethyl)-	17.97	150.	
12.		Unknown	19.10	250.	
13.		Unknown	19.89	160.	
14.		Unknown	20.18	160.	
15.		Unknown phthalate	22.20	110.	
16.		Unknown	23.76	130.	
17.		Unknown	27.55	280.	
18.		Unknown	29.32	1600.	
19.		Unknown alkane	29.67	200.	
20.		Unknown alkane	31.17	860.	
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-8

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W1093

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 15 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	8.	U
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	8.	U
76-44-8	Heptachlor	8.	U
309-00-2	Aldrin	8.	U
1024-57-3	Heptachlor Epoxide	8.	U
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	19.	
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	160.	U
11096-82-5	Arochlor-1260	160.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X110

Matrix (soil/water) SOIL Lab Sample ID: 200224-9

Level (low/med): Date Received: 6/27/91

% Solids: 77

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	6900		P	
7440-36-0	Antimony	14	U	P	N
7440-38-2	Arsenic	2.6		BH	
7440-39-3	Barium	84		P	
7440-41-7	Beryllium	1.2	U	P	N
7440-43-9	Cadmium	1.6		P	
7440-70-2	Calcium	2450		P	
7440-47-3	Chromium	13		P	
7440-48-4	Cobalt	12	U	P	N
7440-50-8	Copper	10		P	
7439-89-6	Iron	8290		P	
7439-92-1	Lead	50		P	*
7439-95-4	Magnesium	1750		P	
7439-96-5	Manganese	100		P	
7439-97-6	Mercury	0.10	U	CV	
7440-02-0	Nickel	11		P	N
7440-09-7	Potassium	1030		P	
7782-49-2	Selenium	[1.3]		BH	N
7440-22-4	Silver	2.4	U	P	N
7440-23-5	Sodium	240	U	P	
7440-28-0	Thallium	1.0	U	F	NW
7440-62-2	Vanadium	19		P	
7440-66-6	Zinc	120		P	N

Color Before: BROWN Clarity Before: Texture: FINE

Color After: LIGHT YELLOW Clarity After: CLEAR Artifacts: YES(ROCKS)

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X110

Matrix (soil/water) SOIL Lab Sample ID: 200224-9

Level (low/med): Date Received: 6/27/91

% Solids: 77

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.23	U	C	
	Phenol				
	Chloride				
	Sulfide	7.1	U		
	Sulfate	70			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-9

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7797

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 23 Date Analyzed: 6/29/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	5.	J
67-64-1	Acetone	13.	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	4.	J
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-9

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7797

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 23 Date Analyzed: 6/29/91

Column: PACK Dilution Factor: 1.00000

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-	13.66	16.	
2.					
3.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-9

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5762

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 23.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	860.	U
111-44-4	bis(-2-Chloroethyl)ether	860.	U
95-57-8	2-Chlorophenol	860.	U
541-73-1	1,3-Dichlorobenzene	860.	U
106-46-7	1,4-Dichlorobenzene	860.	U
100-51-6	Benzyl alcohol	860.	U
95-50-1	1,2-Dichlorobenzene	860.	U
95-48-7	2-Methylphenol	860.	U
39638-32-9	bis(2-chloroisopropyl)ether	860.	U
106-44-5	4-Methylphenol	860.	U
621-64-7	N-Nitroso-Di-n-propylamine	860.	U
67-72-1	Hexachloroethane	860.	U
98-95-3	Nitrobenzene	860.	U
78-59-1	Isophorone	860.	U
88-75-5	2-Nitrophenol	860.	U
105-67-9	2,4-Dimethylphenol	860.	U
65-85-0	Benzoic acid	4200.	U
111-91-1	bis(-2-Chloroethoxy)methane	860.	U
120-83-2	2,4-Dichlorophenol	860.	U
120-82-1	1,2,4-Trichlorobenzene	860.	U
91-20-3	Naphthalene	860.	U
106-47-8	4-Chloroaniline	860.	U
87-68-3	Hexachlorobutadiene	860.	U
59-50-7	4-Chloro-3-methylphenol	860.	U
91-57-6	2-Methylnaphthalene	860.	U
77-47-4	Hexachlorocyclopentadiene	860.	U
88-06-2	2,4,6-Trichlorophenol	860.	U
95-95-4	2,4,5-Trichlorophenol	4200.	U
91-58-7	2-Chloronaphthalene	860.	U
88-74-4	2-Nitroaniline	4200.	U
131-11-3	Dimethylphthalate	860.	U
208-96-8	Acenaphthylene	860.	U
606-20-2	2,6-Dinitrotoluene	860.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-9

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5762

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 23.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	4200.	U
83-32-9	Acenaphthene	860.	U
51-28-5	2,4-Dinitrophenol	4200.	U
100-02-7	4-Nitrophenol	4200.	U
132-64-9	Dibenzofuran	860.	U
121-14-2	2,4-Dinitrotoluene	860.	U
84-66-2	Diethylphthalate	860.	U
7005-72-3	4-Chlorophenyl-phenylether	860.	U
86-73-7	Fluorene	860.	U
100-01-6	4-Nitroaniline	4200.	U
534-52-1	4,6-Dinitro-2-methylphenol	4200.	U
86-30-6	N-Nitrosodiphenylamine (1)	860.	U
101-55-3	4-Bromophenyl-phenylether	860.	U
118-74-1	Hexachlorobenzene	860.	U
87-86-5	Pentachlorophenol	4200.	U
85-01-8	Phenanthrene	860.	U
120-12-7	Anthracene	860.	U
84-74-2	Di-n-butylphthalate	860.	U
206-44-0	Fluoranthene	860.	U
129-00-0	Pyrene	860.	U
85-68-7	Butylbenzylphthalate	860.	U
91-94-1	3,3'-Dichlorobenzidine	1700.	U
56-55-3	Benzo(a)anthracene	860.	U
218-01-9	Chrysene	860.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	JB
117-84-0	Di-n-Octyl_Phthalate	860.	U
205-99-2	Benzo(b)fluoranthene	860.	U
207-08-9	Benzo(k)fluoranthene	860.	U
50-32-8	Benzo(a)pyrene	860.	U
193-39-5	Indeno(1,2,3-cd)pyrene	860.	U
53-70-3	Dibenzo(a,h)anthracene	860.	U
191-24-2	Benzo(g,h,i)perylene	860.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-9

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >D5762

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 23.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 6.7 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	6.37	9900.	
2.	Unknown	10.52	4200.	
3.	Unknown alkane	16.91	2000.	
4.	1,1'-Biphenyl, tetrachloro-	23.12	1600.	
5.	1,1'-Biphenyl, tetrachloro-	23.22	1500.	
6.	1,1'-Biphenyl, tetrachloro-	23.55	910.	
7.	1,1'-Biphenyl, tetrachloro-	23.81	950.	
8.	1,1'-Biphenyl, tetrachloro-	24.36	960.	
9.	1,1'-Biphenyl, pentachloro-	24.45	1900.	
10.	1,1'-Biphenyl, pentachloro-	24.79	1100.	
11.	1,1'-Biphenyl, pentachloro-	24.91	2600.	
12.	1,1'-Biphenyl, pentachloro-	25.02	1200.	
13.	1,1'-Biphenyl, pentachloro-	25.65	2400.	
14.	1,1'-Biphenyl, hexachloro-	26.12	1300.	
15.	1,1'-Biphenyl, pentachloro-	26.15	1400.	
16.	1,1'-Biphenyl, hexachloro-	26.58	1300.	
17.	1,1'-Biphenyl, hexachloro-	26.66	880.	
18.	1,1'-Biphenyl, hexachloro-	27.12	1100.	
19.	Unknown	29.04	1000.	
20.	Unknown alkane	29.32	3000.	
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

ab Name: ARDL, INC. Contract: SAUGET A2

ab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

atrix: (soil/water) SOIL Lab Sample ID: 200224-9

ample wt/vol: 30.0 (g/mL) g Lab File ID: >W3009

evel: (low/med) LOW Date Received: 06/27/91

Moisture: not dec. 23 dec. ---- Date Extracted: 06/28/91

xtraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/02/91

PC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	8.	U
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	8.	U
76-44-8	Heptachlor	8.	U
309-00-2	Aldrin	8.	U
1024-57-3	Heptachlor Epoxide	8.	U
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	9900.	C
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	9500.	C
11096-82-5	Arochlor-1260	8100.	C

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X111

Matrix (soil/water) SOIL Lab Sample ID: 200224-10

Level (low/med): Date Received: 6/27/91

% Solids: 90

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	2100		P	
7440-36-0	Antimony	12	U	P	N
7440-38-2	Arsenic	2.6		BH	
7440-39-3	Barium	360		P	
7440-41-7	Beryllium	1.0	U	P	N
7440-43-9	Cadmium	1.0	U	P	
7440-70-2	Calcium	48100		P	
7440-47-3	Chromium	20		P	
7440-48-4	Cobalt	10	U	P	N
7440-50-8	Copper	16		P	
7439-89-6	Iron	12500		P	
7439-92-1	Lead	62		P	*
7439-95-4	Magnesium	650		P	
7439-96-5	Manganese	110		P	
7439-97-6	Mercury	0.063	U	CV	
7440-02-0	Nickel	20		P	N
7440-09-7	Potassium	[260]		P	
7782-49-2	Selenium	0.95	U	BH	N
7440-22-4	Silver	2.1	U	P	N
7440-23-5	Sodium	1450		P	
7440-28-0	Thallium	1.1	U	F	N
7440-62-2	Vanadium	10	U	P	
7440-66-6	Zinc	150		P	N

Color Before: RED/BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X111

Matrix (soil/water) SOIL Lab Sample ID: 200224-10

Level (low/med): Date Received: 6/27/91

% Solids: 90

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.23	U	C	
	Phenol				
	Chloride				
	Sulfide	220			
	Sulfate	310			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7877

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 10 Date Analyzed: 7/04/91

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

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	49.	B
67-64-1	Acetone	210.	
75-15-0	Carbon Disulfide	25.	
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	12.	
540-59-0	1,2-Dichloroethene (total)	13.	
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	69.	
71-55-6	1,1,1-Trichloroethane	28.	
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	10.	
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	17.	
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	110.	
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	120.	
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	330.	E
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	270.	E
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	200.	
106-42-3	o & p-Xylene	330.	E

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7877

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 10 Date Analyzed: 7/04/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.62	30.	
2.	Unknown	15.71	38.	
3.	Unknown	16.48	6.	
4.	Unknown aliphatic	20.40	7.	
5.	Unknown	21.10	10.	
6.	Unknown	23.38	33.	
7.	Unknown	26.02	13.	
8.	Cyclohexane, dimethyl-	27.15	28.	
9.	Unknown	27.73	22.	
10.	Unknown	29.98	13.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7885

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 10 Date Analyzed: 7/05/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	14.	B
67-64-1	Acetone	29.	
75-15-0	Carbon Disulfide	3.	J
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	3.	J
540-59-0	1,2-Dichloroethene (total)	3.	J
67-66-3	Chloroform	6.	U
107-06-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	8.	J
71-55-6	1,1,1-Trichloroethane	7.	
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	4.	J
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	5.	J
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-pentanone	21.	
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	38.	
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	86.	
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	83.	
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	72.	
106-42-3	o & p-Xylene	110.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7885

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 10 Date Analyzed: 7/05/91

Column: PACK Dilution Factor: 1.00000

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110827	Cyclohexane	15.68	22.	
2.	Unknown	16.45	5.	
3.	Unknown aliphatic	20.40	6.	
4.	Unknown	21.06	7.	
5.	Unknown	23.38	28.	
6.	Unknown	25.79	4.	
7.	Unknown	27.14	18.	
8.	Unknown	27.73	27.	
9.	Unknown	28.97	12.	
10.	Unknown	29.97	9.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111DL

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >H7886

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 10 Date Analyzed: 7/05/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	56.	U D
74-83-9	Bromomethane	56.	U D
75-01-4	Vinyl Chloride	56.	U D
75-00-3	Chloroethane	56.	U D
75-09-2	Methylene Chloride	38.	BD
67-64-1	Acetone	180.	D
75-15-0	Carbon Disulfide	15.	J D
75-35-4	1,1-Dichloroethene	28.	U D
75-34-3	1,1-Dichloroethane	11.	J D
540-59-0	1,2-Dichloroethene (total)	13.	J D
67-66-3	Chloroform	28.	U D
107-06-2	1,2-Dichloroethane	28.	U D
78-93-3	2-Butanone	52.	J D
71-55-6	1,1,1-Trichloroethane	25.	J D
56-23-5	Carbon Tetrachloride	28.	U D
108-05-4	Vinyl Acetate	56.	U D
75-27-4	Bromodichloromethane	28.	U D
78-87-5	1,2-Dichloropropane	28.	U D
10061-01-5	cis-1,3-Dichloropropene	28.	U D
79-01-6	Trichloroethene	28.	U D
124-48-1	Dibromochloromethane	28.	U D
79-00-5	1,1,2-Trichloroethane	28.	U D
71-43-2	Benzene	14.	J D
10061-02-6	trans-1,3-Dichloropropene	28.	U D
75-25-2	Bromoform	28.	U D
108-10-1	4-Methyl-2-pentanone	72.	D
591-78-6	2-Hexanone	56.	U D
127-18-4	Tetrachloroethene	85.	D
79-34-5	1,1,2,2-Tetrachloroethane	28.	U D
108-88-3	Toluene	210.	D
108-90-7	Chlorobenzene	28.	U D
100-41-4	Ethylbenzene	210.	D
100-42-5	Styrene	28.	U D
108-38-3	m-Xylene	170.	D
106-42-3	o & p-Xylene	310.	D

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111DL

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10DL

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >H7886

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 10 Date Analyzed: 7/05/91

Column: PACK Dilution Factor: 5.00000

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.59	38.	D
2.	Unknown	15.64	55.	D
3.	Unknown	16.42	28.	D
4.	Unknown aliphatic	20.40	28.	D
5.	Unknown	21.06	32.	D
6.	Unknown	23.35	100.	D
7.	Unknown	27.73	81.	D
8.	Unknown	28.62	36.	D
9.	Unknown	29.90	24.	D
10.	Unknown	33.47	67.	D
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5763

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 10.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:5.8 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	22000.	U
111-44-4	bis(-2-Chloroethyl)ether	22000.	U
95-57-8	2-Chlorophenol	22000.	U
541-73-1	1,3-Dichlorobenzene	22000.	U
106-46-7	1,4-Dichlorobenzene	22000.	U
100-51-6	Benzyl alcohol	22000.	U
95-50-1	1,2-Dichlorobenzene	22000.	U
95-48-7	2-Methylphenol	22000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	22000.	U
106-44-5	4-Methylphenol	22000.	U
621-64-7	N-Nitroso-Di-n-propylamine	22000.	U
67-72-1	Hexachloroethane	22000.	U
98-95-3	Nitrobenzene	22000.	U
78-59-1	Isophorone	22000.	U
88-75-5	2-Nitrophenol	22000.	U
105-67-9	2,4-Dimethylphenol	22000.	U
65-85-0	Benzoic acid	110000.	U
111-91-1	bis(-2-Chloroethoxy)methane	22000.	U
120-83-2	2,4-Dichlorophenol	22000.	U
120-82-1	1,2,4-Trichlorobenzene	22000.	U
91-20-3	Naphthalene	22000.	U
106-47-8	4-Chloroaniline	22000.	U
87-68-3	Hexachlorobutadiene	22000.	U
59-50-7	4-Chloro-3-methylphenol	22000.	U
91-57-6	2-Methylnaphthalene	22000.	U
77-47-4	Hexachlorocyclopentadiene	22000.	U
88-06-2	2,4,6-Trichlorophenol	22000.	U
95-95-4	2,4,5-Trichlorophenol	110000.	U
91-58-7	2-Chloronaphthalene	22000.	U
88-74-4	2-Nitroaniline	110000.	U
131-11-3	Dimethylphthalate	22000.	U
208-96-8	Acenaphthylene	22000.	U
606-20-2	2,6-Dinitrotoluene	22000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5763

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 10.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:5.8 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	110000.	U
83-32-9	Acenaphthene	22000.	U
51-28-5	2,4-Dinitrophenol	110000.	U
100-02-7	4-Nitrophenol	110000.	U
132-64-9	Dibenzofuran	22000.	U
121-14-2	2,4-Dinitrotoluene	22000.	U
84-66-2	Diethylphthalate	22000.	U
7005-72-3	4-Chlorophenyl-phenylether	22000.	U
86-73-7	Fluorene	22000.	U
100-01-6	4-Nitroaniline	110000.	U
534-52-1	4,6-Dinitro-2-methylphenol	110000.	U
86-30-6	N-Nitrosodiphenylamine (1)	22000.	U
101-55-3	4-Bromophenyl-phenylether	22000.	U
118-74-1	Hexachlorobenzene	22000.	U
87-86-5	Pentachlorophenol	110000.	U
85-01-8	Phenanthrene	22000.	U
120-12-7	Anthracene	22000.	U
84-74-2	Di-n-butylphthalate	22000.	U
206-44-0	Fluoranthene	22000.	U
129-00-0	Pyrene	22000.	U
85-68-7	Butylbenzylphthalate	22000.	U
91-94-1	3,3'-Dichlorobenzidine	44000.	U
56-55-3	Benzo(a)anthracene	22000.	U
218-01-9	Chrysene	22000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000.	U
117-84-0	Di-n-Octyl_Phthalate	22000.	U
205-99-2	Benzo(b)fluoranthene	22000.	U
207-08-9	Benzo(k)fluoranthene	22000.	U
50-32-8	Benzo(a)pyrene	22000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	22000.	U
53-70-3	Dibenzo(a,h)anthracene	22000.	U
191-24-2	Benzo(g,h,i)perylene	22000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5763

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 10.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 5.8 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	10.58	130000.	
2.	Unknown alkane	16.98	100000.	
3.	Unknown alkane	17.21	77000.	
4.	Unknown alkane	17.88	110000.	
5.	Unknown alkane	18.48	110000.	
6.	Unknown alkane	19.15	140000.	
7.	Unknown alkane	19.86	98000.	
8.	Unknown alkane	19.91	72000.	
9.	Unknown alkane	20.36	210000.	
10.	Unknown	20.86	130000.	
11.	Unknown alkane	21.08	130000.	
12.	Unknown	21.51	95000.	
13.	Unknown alkane	21.96	150000.	
14.	Unknown	22.54	340000.	
15.	Unknown	22.61	380000.	
16.	Unknown	23.01	100000.	
17.	Unknown	23.60	740000.	
18.	Unknown	24.59	520000.	
19.	Unknown	24.64	220000.	
20.	Unknown	25.56	980000.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-10

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >W1094

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 10 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/11/91

GPC Cleanup: (Y/N) Y pH: 5.8 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	120.	U
319-85-7	Beta-BHC	120.	U
319-86-8	Delta-BHC	120.	U
58-89-9	Gamma-BHC (Lindane)	120.	U
76-44-8	Heptachlor	120.	U
309-00-2	Aldrin	120.	U
1024-57-3	Heptachlor Epoxide	120.	U
959-98-8	Endosulfan I	120.	U
60-57-1	Dieldrin	240.	U
72-55-9	4,4'-DDE	240.	U
72-20-8	Endrin	240.	U
33213-65-9	Endosulfan II	240.	U
72-54-8	4,4'-DDD	240.	U
7421-93-4	Endrin Aldehyde	240.	U
1031-07-8	Endosulfan Sulfate	240.	U
50-29-3	4,4'-DDT	240.	U
72-43-5	Methoxychlor	1200.	U
53494-70-5	Endrin Ketone	480.	U
5103-71-9	alpha-Chlordane *	1200.	U
5103-74-2	gamma-Chlordane *	1200.	U
8001-35-2	Toxaphene	2400.	U
12674-11-2	Arochlor-1016	1200.	U
11104-28-2	Arochlor-1221	1200.	U
11141-16-5	Arochlor-1232	1200.	U
53469-21-9	Arochlor-1242	1200.	U
12672-29-6	Arochlor-1248	1200.	U
11097-69-1	Arochlor-1254	17000.	
11096-82-5	Arochlor-1260	2400.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X112

Matrix (soil/water) SOIL Lab Sample ID: 200224-11

Level (low/med): Date Received: 6/27/91

% Solids: 79

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	37200		P	
7440-36-0	Antimony	15	U	P	N
7440-38-2	Arsenic	11		BH	
7440-39-3	Barium	320		P	
7440-41-7	Beryllium	2.8		P	N
7440-43-9	Cadmium	7.3		P	
7440-70-2	Calcium	9300		P	
7440-47-3	Chromium	29		P	
7440-48-4	Cobalt	17		P	N
7440-50-8	Copper	110		P	
7439-89-6	Iron	37900		P	
7439-92-1	Lead	190		P	
7439-95-4	Magnesium	5010		P	
7439-96-5	Manganese	780		P	
7439-97-6	Mercury	0.19		CV	
7440-02-0	Nickel	38		P	N
7440-09-7	Potassium	5240		P	
7782-49-2	Selenium	[1.1]		BH	N
7440-22-4	Silver	2.5	U	P	N
7440-23-5	Sodium	250	U	P	
7440-28-0	Thallium	0.95	U	F	NW
7440-62-2	Vanadium	80		P	
7440-66-6	Zinc	760		P	N

Color Before: DARK BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. X112

Matrix (soil/water) SOIL Lab Sample ID: 200224-11

Level (low/med): Date Received: 6/27/91

% Solids: 79

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	0.51		C	
	Phenol				
	Chloride				
	Sulfide	13	U		
	Sulfate	76			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7878

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 24 Date Analyzed: 7/04/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	100.	B
67-64-1	Acetone	13.	U
75-15-0	Carbon Disulfide	7.	U
75-35-4	1,1-Dichloroethene	7.	U
75-34-3	1,1-Dichloroethane	7.	U
540-59-0	1,2-Dichloroethene (total)	7.	U
67-66-3	Chloroform	5.	J
107-06-2	1,2-Dichloroethane	7.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	7.	U
56-23-5	Carbon Tetrachloride	7.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	7.	U
78-87-5	1,2-Dichloropropane	7.	U
10061-01-5	cis-1,3-Dichloropropene	7.	U
79-01-6	Trichloroethene	7.	U
124-48-1	Dibromochloromethane	7.	U
79-00-5	1,1,2-Trichloroethane	7.	U
71-43-2	Benzene	7.	U
10061-02-6	trans-1,3-Dichloropropene	7.	U
75-25-2	Bromoform	7.	U
108-10-1	4-Methyl-2-pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	7.	U
79-34-5	1,1,2,2-Tetrachloroethane	7.	U
108-88-3	Toluene	9.	
108-90-7	Chlorobenzene	7.	U
100-41-4	Ethylbenzene	7.	U
100-42-5	Styrene	7.	U
108-38-3	m-Xylene	7.	U
106-42-3	o & p-Xylene	7.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7878

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 24 Date Analyzed: 7/04/91

Column: PACK Dilution Factor: 1.00000

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-	13.66	88.	
2.	Unknown	25.75	19.	
3.	Unknown	28.62	690.	
4.	Unknown	30.87	10.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7887

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 24 Date Analyzed: 7/05/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	84.	B
67-64-1	Acetone	13.	U
75-15-0	Carbon Disulfide	7.	U
75-35-4	1,1-Dichloroethene	7.	U
75-34-3	1,1-Dichloroethane	7.	U
540-59-0	1,2-Dichloroethene (total)	7.	U
67-66-3	Chloroform	10.	
107-06-2	1,2-Dichloroethane	7.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	7.	U
56-23-5	Carbon Tetrachloride	7.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	7.	U
78-87-5	1,2-Dichloropropane	7.	U
10061-01-5	cis-1,3-Dichloropropene	7.	U
79-01-6	Trichloroethene	7.	U
124-48-1	Dibromochloromethane	7.	U
79-00-5	1,1,2-Trichloroethane	7.	U
71-43-2	Benzene	7.	U
10061-02-6	trans-1,3-Dichloropropene	7.	U
75-25-2	Bromoform	7.	U
108-10-1	4-Methyl-2-pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	7.	U
79-34-5	1,1,2,2-Tetrachloroethane	7.	U
108-88-3	Toluene	8.	
108-90-7	Chlorobenzene	7.	U
100-41-4	Ethylbenzene	7.	U
100-42-5	Styrene	7.	U
108-38-3	m-Xylene	7.	U
106-42-3	o & p-Xylene	7.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112RE

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11RE

Sample wt/vol: 5.0 (g/mL) g Lab File ID: >H7887

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 24 Date Analyzed: 7/05/91

Column: PACK Dilution Factor: 1.00000

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-	13.66	21.	
2.	Unknown	25.75	13.	
3.	Unknown	30.87	17.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5764

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 22.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	25000.	U
111-44-4	bis(-2-Chloroethyl)ether	25000.	U
95-57-8	2-Chlorophenol	25000.	U
541-73-1	1,3-Dichlorobenzene	25000.	U
106-46-7	1,4-Dichlorobenzene	25000.	U
100-51-6	Benzyl alcohol	25000.	U
95-50-1	1,2-Dichlorobenzene	25000.	U
95-48-7	2-Methylphenol	25000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	25000.	U
106-44-5	4-Methylphenol	25000.	U
621-64-7	N-Nitroso-Di-n-propylamine	25000.	U
67-72-1	Hexachloroethane	25000.	U
98-95-3	Nitrobenzene	25000.	U
78-59-1	Isophorone	25000.	U
88-75-5	2-Nitrophenol	25000.	U
105-67-9	2,4-Dimethylphenol	25000.	U
65-85-0	Benzoic acid	120000.	U
111-91-1	bis(-2-Chloroethoxy)methane	25000.	U
120-83-2	2,4-Dichlorophenol	25000.	U
120-82-1	1,2,4-Trichlorobenzene	25000.	U
91-20-3	Naphthalene	25000.	U
106-47-8	4-Chloroaniline	25000.	U
87-68-3	Hexachlorobutadiene	25000.	U
59-50-7	4-Chloro-3-methylphenol	25000.	U
91-57-6	2-Methylnaphthalene	25000.	U
77-47-4	Hexachlorocyclopentadiene	25000.	U
88-06-2	2,4,6-Trichlorophenol	25000.	U
95-95-4	2,4,5-Trichlorophenol	120000.	U
91-58-7	2-Chloronaphthalene	25000.	U
88-74-4	2-Nitroaniline	120000.	U
131-11-3	Dimethylphthalate	25000.	U
208-96-8	Acenaphthylene	25000.	U
606-20-2	2,6-Dinitrotoluene	25000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ------ SDG No.: ------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5764

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 22.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH:6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	120000.	U
83-32-9	Acenaphthene	25000.	U
51-28-5	2,4-Dinitrophenol	120000.	U
100-02-7	4-Nitrophenol	120000.	U
132-64-9	Dibenzofuran	25000.	U
121-14-2	2,4-Dinitrotoluene	25000.	U
84-66-2	Diethylphthalate	25000.	U
7005-72-3	4-Chlorophenyl-phenylether	25000.	U
86-73-7	Fluorene	25000.	U
100-01-6	4-Nitroaniline	120000.	U
534-52-1	4,6-Dinitro-2-methylphenol	120000.	U
86-30-6	N-Nitrosodiphenylamine (1)	25000.	U
101-55-3	4-Bromophenyl-phenylether	25000.	U
118-74-1	Hexachlorobenzene	25000.	U
87-86-5	Pentachlorophenol	120000.	U
85-01-8	Phenanthrene	25000.	U
120-12-7	Anthracene	25000.	U
84-74-2	Di-n-butylphthalate	25000.	U
206-44-0	Fluoranthene	25000.	U
129-00-0	Pyrene	25000.	U
85-68-7	Butylbenzylphthalate	25000.	U
91-94-1	3,3'-Dichlorobenzidine	51000.	U
56-55-3	Benzo(a)anthracene	25000.	U
218-01-9	Chrysene	25000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	25000.	U
117-84-0	Di-n-Octyl_Phthalate	25000.	U
205-99-2	Benzo(b)fluoranthene	25000.	U
207-08-9	Benzo(k)fluoranthene	25000.	U
50-32-8	Benzo(a)pyrene	25000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	25000.	U
53-70-3	Dibenzo(a,h)anthracene	25000.	U
191-24-2	Benzo(g,h,i)perylene	25000.	U

(1) - Cannot be separated from Diphenylamine

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. G201

Matrix (soil/water) WATER Lab Sample ID: 200224-12

Level (low/med): Date Received: 6/27/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	420		P	
7440-36-0	Antimony	60	U	P	
7440-38-2	Arsenic	4.5	U	BH	
7440-39-3	Barium	[83]		P	
7440-41-7	Beryllium	5.0	U	P	
7440-43-9	Cadmium	5.0	U	P	
7440-70-2	Calcium	49600		P	
7440-47-3	Chromium	10	U	P	
7440-48-4	Cobalt	50	U	P	
7440-50-8	Copper	25	U	P	
7439-89-6	Iron	[58]		P	
7439-92-1	Lead	12		F	N*S
7439-95-4	Magnesium	17900		P	
7439-96-5	Manganese	15	U	P	
7439-97-6	Mercury	0.20	U	CV	
7440-02-0	Nickel	40	U	P	
7440-09-7	Potassium	[3160]		P	
7782-49-2	Selenium	4.5	U	BH	
7440-22-4	Silver	10	U	P	
7440-23-5	Sodium	9770		P	
7440-28-0	Thallium	5.0	U	F	N
7440-62-2	Vanadium	50	U	P	
7440-66-6	Zinc	20	U	P	

Color Before: CLEAR Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts: NO

FORM IB

OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. G201

Matrix (soil/water) WATER Lab Sample ID: 200224-12

Level (low/med): Date Received: 6/27/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U	C	
	Phenol				
	Chloride				
	Sulfide	6600			
	Sulfate	42000			
	BTU				
	Flash Point				
	Oil and Grease				
	pH				
	% Total Solids				
	% Ash				
	Viscosity				
	Specific Gravity				
	Solubility				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200224-12

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V9770

Level: (low/med) LOW Date Received: 6/27/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	18.	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	33.	
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.	
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
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) WATER Lab Sample ID: 200224-12

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V9770

Level: (low/med) LOW Date Received: 6/27/91

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

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200224-12

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: >D5743

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. --- dec. --- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 7/02/91

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(-2-Chloroethyl)Ether	10.	U
95-57-8	2-Chlorophenol	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U
100-51-6	Benzyl alcohol	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U
95-48-7	2-Methylphenol	10.	U
39638-32-9	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	N-Nitroso-Di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
65-85-0	Benzoic acid	50.	U
111-91-1	bis(-2-Chloroethoxy)Methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	10.	U
106-47-8	4-Chloroaniline	10.	U
87-68-3	Hexachlorobutadiene	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U
91-57-6	2-Methylnaphthalene	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethyl Phthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200224-12

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: >D5743

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. --- dec. --- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 7/02/91

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	7.	JB
117-84-0	Di-n-Octyl_Phthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenzo(a,h)Anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) WATER Lab Sample ID: 200224-12

Sample wt/vol: 1000.0 (g/mL) mL Lab File ID: >D5743

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. ---- dec. --- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 7/02/91

GCP Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00000

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.25	170.	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200224-12

Sample wt/vol: 1000 (g/mL) mL Lab File ID: >W3066

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. -- dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 7/02/91

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	Alpha-BHC	.05	U
319-85-7	Beta-BHC	.05	U
319-86-8	Delta-BHC	.05	U
58-89-9	Gamma-BHC (Lindane)	.05	U
76-44-8	Heptachlor	.05	U
309-00-2	Aldrin	.05	U
1024-57-3	Heptachlor Epoxide	.05	U
959-98-8	Endosulfan I	.05	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
7421-93-4	Endrin Aldehyde	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin Ketone	.10	U
5103-71-9	alpha-Chlordane *	.50	U
5103-74-2	gamma-Chlordane *	.50	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Arochlor-1016	.50	U
11104-28-2	Arochlor-1221	.50	U
11141-16-5	Arochlor-1232	.50	U
53469-21-9	Arochlor-1242	.50	U
12672-29-6	Arochlor-1248	.50	U
11097-69-1	Arochlor-1254	1.0	U
11096-82-5	Arochlor-1260	1.0	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200224-13

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V9771

Level: (low/med) LOW Date Received: 6/27/91

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	16.	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
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------- Case No.: 200224 SAS No.: ------ SDG No.: -------

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11

Sample wt/vol: 1.0 (g/mL) g Lab File ID: >D5764

Level: (low/med) MED Date Received: 6/27/91

% Moisture: not dec. 22.0 dec. --- Date Extracted: 7/02/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GCP Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.00000

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	24.14	10000.	
2.		Unknown	29.31	11000.	
3.		Unknown	32.71	12000.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200224-11

Sample wt/vol: 30.0 (g/mL) g Lab File ID: >W1089

Level: (low/med) LOW Date Received: 6/27/91

% Moisture: not dec. 22 dec. ---- Date Extracted: 6/28/91

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 7/03/91

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.00000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	Alpha-BHC	8.	U
319-85-7	Beta-BHC	8.	U
319-86-8	Delta-BHC	8.	U
58-89-9	Gamma-BHC (Lindane)	27.	
76-44-8	Heptachlor	29.	
309-00-2	Aldrin	11.	
1024-57-3	Heptachlor Epoxide	23.	
959-98-8	Endosulfan I	8.	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	26.	
72-20-8	Endrin	140.	
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
7421-93-4	Endrin Aldehyde	16.	U
1031-07-8	Endosulfan Sulfate	16.	U
50-29-3	4,4'-DDT	120.	
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin Ketone	16.	U
5103-71-9	alpha-Chlordane *	80.	U
5103-74-2	gamma-Chlordane *	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	160.	U
11096-82-5	Arochlor-1260	160.	U

All PCB concentration from the Quant Reports must be multiplied by 10 on the Form 1D to recover the division of 10 on the calibration report for Method 8080.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) WATER Lab Sample ID: 200224-13

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V9771

Level: (low/med) LOW Date Received: 6/27/91

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

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) WATER Lab Sample ID: 200224-13

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V9771

Level: (low/med) LOW Date Received: 6/27/91

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

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: SAUGET A2

Lab Code: ------ Case No.: 200224 SAS No.: -------- SDG No.: -------

Matrix: (soil/water) WATER Lab Sample ID: 200224-13

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V9771

Level: (low/med) LOW Date Received: 6/27/91

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

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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