164258

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract: SAUGET

Lab Code: -- Case No.: --- SAS No.: --- SDG No.: S501

Matrix: (soil/water) WATER Lab Sample ID: 2265-1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >J5522

Level: (low/med) LOW Date Received: 9/24/93

% Moisture: not dec. --- Date Analyzed: 9/25/93

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.00000

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract: SAUGET

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: S501

Matrix: (soil/water) WATER Lab Sample ID: 2265-1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >J5522

Level: (low/med) LOW Date Received: 9/24/93

% Moisture: not dec. --- Date Analyzed: 9/25/93

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.73	30.	JNB
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract: SAUGET

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: S501

Matrix: (soil/water) WATER Lab Sample ID: 2265-1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M4169

Level: (low/med) LOW Date Received: 9/24/93

% Moisture: --- decanted: (Y/N) N Date Extracted: 9/25/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 9/27/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: --- Conversion Factor: 1.0000

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract: SAUGET

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: S501

Matrix: (soil/water) WATER Lab Sample ID: 2265-1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M4169

Level: (low/med) LOW Date Received: 9/24/93

% Moisture: --- decanted: (Y/N) N Date Extracted: 9/25/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 9/27/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: --- Conversion Factor: 1.0000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25.	U
100-02-7	4-Nitrophenol	25.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U
86-30-6	N-Nitrosodiphenylamine (1)	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	25.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	20.	B
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U
50-32-8	Benzo(a)pyrene	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract: SAUGET

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: S501

Matrix: (soil/water) WATER Lab Sample ID: 2265-1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M4169

Level: (low/med) LOW Date Received: 9/24/93

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 9/25/93

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 9/27/93

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 106489	PHENOL, 4-CHLORO-	13.27	80.	JN
2. 118901	BENZOIC ACID, 2-METHYL-	14.17	40.	JN
3.	UNKNOWN	15.15	200.	J
4.	BENZENAMINE, DICHLORO-	15.29	10.	J
5. 612204	BENZOIC ACID, 2-(HYDROXYMETH	15.59	40.	JN
6. 124174	ETHANOL, 2-(2-BUTOXYETHOXY)-	15.70	20.	JNB
7.	UNKNOWN	18.82	20.	J B
8.	UNKNOWN	19.37	80.	J
9.	UNKNOWN	19.76	20.	J
10. 2169871	2,3-NAPHTHALENEDICARBOXYLIC	21.79	20.	JN
11.	UNKNOWN	23.92	10.	J
12. 84651	9,10-ANTHRACENEDIONE	25.81	90.	JN
13.	UNKNOWN	26.40	30.	J
14.	UNKNOWN	26.73	20.	J
15.	UNKNOWN	28.18	30.	J
16.	UNKNOWN	28.54	10.	J
17.	UNKNOWN	31.42	20.	J
18.	UNKNOWN	32.70	20.	J
19.	UNKNOWN	33.25	20.	J
20.	UNKNOWN	34.60	20.	J
21.				
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract: SAUGET

Lab Code: Case No.: SAS No.: SDG No.: S501

Matrix(soil/water) : WATER Lab Sample ID : 2265-1

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

% Moisture: decanted:(Y/N) N Date Received : 09/24/93

Extraction(SepF/Cont/Sonc) SEPF Date Extracted : 09/25/93

Concentrated Extract Volume:10000(uL) Date Analyzed : 09/26/93

Injection Volume: 1 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor Epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1013-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor 1016	1.0	U
11104-28-2	Aroclor 1221	2.0	U
11141-16-5	Aroclor 1232	1.0	U
53469-21-9	Aroclor 1242	1.0	U
12672-29-6	Aroclor 1248	1.0	U
11097-69-1	Aroclor 1254	1.0	U
11096-82-5	Aroclor 1260	1.0	U

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

S501

Lab Name: ARDL, INC. Contract No.: 2265

Lab Code: _____ SAS No.: _____ SDG No.: S501

Matrix (soil/water) WATER Lab Sample ID: 2265-1

Level (low/med): LOW Date Received: 09/24/93

% Solids: 0.0

Concentration Units: (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	952			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic				
7440-39-3	Barium	273			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	4.0	U		P
7440-70-2	Calcium	83800			P
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt	5.0	U		P
7440-50-8	Copper	141			P
7439-89-6	Iron	2450			P
7439-92-1	Lead				
7439-95-4	Magnesium	7530			P
7439-96-5	Manganese	519			P
7439-97-6	Mercury				
7440-02-0	Nickel	10.0	U		P
7440-09-7	Potassium	6560			P
7782-49-2	Selenium				
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	14900			P
7440-28-0	Thallium				
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	412			P
	Cyanide	8.3	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments: