RIEDEL ENVIRONMENTAL SERVICES, INC.

St. Louis Region:
18207 Edison Ave.
Chesterfield, Missouri 63005-3703
(314) 532-7660
FAX: (314) 536-1655

EPA Region 5 Records Ctr.
243462

August 7, 1990

Illinois Environmental Protection Agency
Mr. Hank Konzelman
Division of Land Pollution
P.O. Box 19276
Springfield, IL 62794-9276

RE: LPC #1198130006
Eagle Park/Isaiah Watson

Dear Mr. Konzelman:

As you requested, we are providing your agency with the data generated as a result of the additional sampling activity conducted at subject site.

We are also supplying you with the following information.

- Disposal Options
- Costs relating to working on disposal options. This was not included in cost to obtain additional laboratory data.
- Analysis data relating to all five waste streams.

Riedel Environmental Services, Inc. (RES) wishes to inform your agency that the BN 100% chemical composition analysis discovered 92.8%, and without having knowledge of the generation source of the material, an assumption could be made that the remaining 7.2% is oxygen.

In reference to the drums the samples were obtained from, the following is offered.

WASTE STREAM SAMPLES	TYPE OF SAMPLE	DRUM NUMBER
BN	Liquid	74
	Sludge	66
	Gel	20
FOS	Liquid	47
	Sludge	1
	Gel	78
OS	Liquid	65
	Sludge	3

DISPOSAL

BN	Liquid	74
FOS	Sludge	1
FOS	Gel	78
OS	Sludge	3
O	Liquid	77
FO	Sludge	30

Also, per your instructions of August 6, 1990, we are forwarding the disposal samples to John Hurley of your agency.

If you have any questions regarding this matter, please do not hesitate to contact myself or Keith Roberts at (314) 532-7660.

Sincerely,

Daniel J Wilson

Daniel J. Wilson, CPS
Project Manager

DJW/dr

Enclosures

ADDITIONAL LABORATORY DATA

TESTING LABORATORIES inc.

Chemists
Engineers
Metallurgists

2350 Seventh Blvd. • St. Louis, Missouri 63104 | 314/771-7111

Report No. 90-06-03315 July 20, 1990

Examination of three (3) sludge samples submitted 6/21/90.

Riedel Environmental Services
18207 Edison Avenue
Chesterfield, MO. 63005-3703

P.O.: 97796
Attn: Mr. Dan Wilson

TEST REPORT

	OS	FOS	BN
Viscosity	*	*	----
Bulk Density, g/cc	----	1.079	----
Flash Point, (PMCC), °F.	----	112	----
Moisture, %	----	----	14.0
Sulfur, %	----	----	0.23
Carbon, %	----	----	39.59
Hydrogen, %	----	----	7.92
Nitrogen, %	----	----	0.66
Ash, %	----	----	19.22
Chloride, %	----	----	11.18

*The sample submitted was not sufficiently homogenious to obtain a reasonable viscosity value.

Respectfully submitted,

Allan M. Siegel

Allan M. Siegel, P.E.
Director

Lab No. 193477-9
LB36635
BB/hj

Inv. #40201

DISPOSAL OPTIONS

Eagle Park Drum
Disposal Options

APPROXIMATE DISPOSAL COST	TRANSPORTATION COST	DISPOSAL FIRM	DATE OF ESTIMATE
■ $4,196.50 to $25,179.00 77 overpacks	Approximately $1,000.00	Clayton Chemical Sauget, Illinois	Feb. 1990
$109.00 to $654.00 2-55 gallon			
$381.50 2-55 gallon PPE			
$4,687.00 t $26,215.00			
■ $61,449.00	Approximately $2,500.00	American NuKem	Jan. 1990
■ $46,745.00	Approximately $1,635.00	ENSCO	Jan. 1990
■ $24,357.00	Approximately $981.00	Great Lakes Environmental Services	Jan. 1990

NOTE: ■ These costs are based on 77-85 gallon overpacks and 4-55 gallon drums.
■ Clayton Chemical costs mainly depend on BTU Value.

ANALYSIS DATA AS IT RELATES TO ALL FIVE WASTE STREAMS

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name ARDL, Inc. IEPA Sample No. 6907-0-5

Matrix (soil/water) WASTE Lab Sample ID: 200096-4

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/kg)	0.42			
	Phenol (mg/kg)	77			
	Chloride (mg/kg)	99000			
	Sulfide (mg/kg)	14			
	BTU/lb	12000			
	Flashpoint (°F)	110			
	Oil and Grease (mg/kg)	460000			
	pH	6.0			
	% Total Solids	54			
	% ASH	3.2			
	Viscosity (CPS)	68			
	Specific Gravity	0.8520			
	Solubility				
	IN WATER	SS			
	IN FREON	S			
	IN METHANOL	SS			
	IN METHYLENE CHLORIDE	S			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name ARDL, Inc. IEPA Sample No. 6907-0-5

Matrix (soil/water) WASTE Lab Sample ID: 200096-4

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	33 .033 ppm		F	N,S
7440-39-3	Barium (EP)	1020 1.02 ppm		P	N,S*
7440-43-9	Cadmium (EP)	200 .2 ppm		P	N,S
7440-47-3	Chromium (EP)	750 .75 ppm		F	S
7439-92-1	Lead (EP)	28000 28 ppm		P	S*
7439-97-6	Mercury (EP)	0.2 .0002 ppm	U	CV	S
7782-49-2	Selenium (EP)	5.0 .005 ppm	U	BH	S
7440-22-4	Silver (EP)	7.0 .007 ppm	U	P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name ARDL, Inc. IEPA Sample No. 6907-0-5

Matrix (soil/water) WASTE Lab Sample ID: 200096-4

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	33		F	N,S
7440-39-3	Barium (EP)	1020		P	N,S*
7440-43-9	Cadmium (EP)	208		P	N,S
7440-47-3	Chromium (EP)	750		F	S
7439-92-1	Lead (EP)	28000		P	S*
7439-97-6	Mercury (EP)	0.2	U	CV	S
7782-49-2	Selenium (EP)	5.0	U	BH	S
7440-22-4	Silver (EP)	7.0	U	P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc.

IEPA Sample No. 6907-0-5

Matrix (soil/water): WASTE

Lab Sample ID: 200096-4

Level (low/med):

Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/kg)	0.42			
	Phenol (mg/kg)	77			
	Chloride (mg/kg)	99000			
	Sulfide (mg/kg)	14			
	BTU/lb	12000			
	Flashpoint (°F)	110			
	Oil and Grease (mg/kg)	460000			
	pH	6.0			
	% Total Solids	54			
	% ASH	3.2			
	Viscosity (CPS)	68			
	Specific Gravity	0.8520			
	Solubility				
	IN WATER	SS			
	IN FREON	S			
	IN METHANOL	SS			
	IN METHYLENE CHLORIDE	S			

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-D-5

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2012

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	1000.	U
74-83-9	Bromomethane	1000.	U
75-01-4	Vinyl Chloride	820.	J
75-00-3	Chloroethane	1000.	U
75-09-2	Methylene Chloride	2100.	B
67-64-1	Acetone	3000.	B
75-15-0	Carbon Disulfide	500.	U
75-35-4	1,1-Dichloroethene	6700.	
75-34-3	1,1-Dichloroethane	500.	U
540-59-0	1,2-Dichloroethene (total)	10000.	
67-66-3	Chloroform	500.	U
107-02-2	1,2-Dichloroethane	500.	U
78-93-3	2-Butanone	1000.	U
71-55-6	1,1,1-Trichloroethane	500.	U
56-23-5	Carbon Tetrachloride	500.	U
108-05-4	Vinyl Acetate	1000.	U
75-27-4	Bromodichloromethane	500.	U
78-87-5	1,2-Dichloropropane	500.	U
10061-01-5	cis-1,3-Dichloropropene	500.	U
79-01-6	Trichloroethene	140000.	E
124-48-1	Dibromochloromethane	500.	U
79-00-5	1,1,2-Trichloroethane	500.	U
71-43-2	Benzene	500.	U
10061-02-6	trans-1,3-Dichloropropene	500.	U
75-25-2	Bromoform	500.	U
108-10-1	4-Methyl-2-pentanone	1000.	U
591-78-6	2-Hexanone	1000.	U
127-18-4	Tetrachloroethene	600000.	E
79-34-5	1,1,2,2-Tetrachloroethane	500.	U
108-88-3	Toluene	500.	U
108-90-7	Chlorobenzene	43000.	E
100-41-4	Ethylbenzene	27000.	E
100-42-5	Styrene	500.	U
108-38-3	m-Xylene	57000.	E
106-42-2	o & p-Xylene	40000.	E

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-0-5

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4

Sample wt/vol: 4.0 (g/mL) G Lab File ID: .V2012

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	8.33	750.	
2.	Unknown	12.21	820.	
3.	Unknown	13.60	4900.	
4.	Unknown	15.70	850.	
5.	Unknown	19.11	780.	
6.	Unknown	21.09	4800.	
7.	Unknown	22.17	770.	
8.	Unknown	23.73	370000.	
9.	Unknown	28.97	1600.	
10.	Unknown	31.26	360.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-0-5DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2024

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: (pack/cap) PACK Dilution Factor: 100.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	100000.	U D
74-83-9	Bromomethane	100000.	U D
75-01-4	Vinyl Chloride	100000.	U D
75-00-3	Chloroethane	100000.	U D
75-09-2	Methylene Chloride	180000.	D
67-64-1	Acetone	150000.	BD
75-15-0	Carbon Disulfide	50000.	U D
75-35-4	1,1-Dichloroethene	50000.	U D
75-34-3	1,1-Dichloroethane	50000.	U D
540-59-0	1,2-Dichloroethene (total)	60000.	D
67-66-3	Chloroform	140000.	D
107-02-2	1,2-Dichloroethane	50000.	U D
78-93-3	2-Butanone	100000.	U D
71-55-6	1,1,1-Trichloroethane	50000.	U D
56-23-5	Carbon Tetrachloride	50000.	U D
108-05-4	Vinyl Acetate	100000.	U D
75-27-4	Bromodichloromethane	50000.	U D
78-87-5	1,2-Dichloropropane	50000.	U D
10061-01-5	cis-1,3-Dichloropropene	50000.	U D
79-01-6	Trichloroethene	570000.	D
124-48-1	Dibromochloromethane	50000.	U D
79-00-5	1,1,2-Trichloroethane	50000.	U D
71-43-2	Benzene	50000.	U D
10061-02-6	trans-1,3-Dichloropropene	50000.	U D
75-25-2	Bromoform	50000.	U D
108-10-1	4-Methyl-2-pentanone	100000.	U D
591-78-6	2-Hexanone	100000.	U D
127-18-4	Tetrachloroethene	60000000.	DE
79-34-5	1,1,2,2-Tetrachloroethane	50000.	U D
108-88-3	Toluene	2000000.	D
108-90-7	Chlorobenzene	200000.	D
100-41-4	Ethylbenzene	5300000.	DE
100-42-5	Styrene	50000.	U D
108-38-3	m-Xylene	12000000.	DE
106-42-2	o & p-Xylene	6900000.	DE

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-O-5DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2024

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: PACK Dilution Factor: 100.000

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.68	450000.	D
2.		Unknown	23.64	100000.	D
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-0-5DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2053

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/23/89

Column: (pack/cap) PACK Dilution Factor: 10000.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10000000.	U D
74-83-9	Bromomethane	10000000.	U D
75-01-4	Vinyl Chloride	10000000.	U D
75-00-3	Chloroethane	10000000.	U D
75-09-2	Methylene_Chloride	24000000.	BD
67-64-1	Acetone	20000000.	BD
75-15-0	Carbon Disulfide	5000000.	U D
75-35-4	1,1-Dichloroethene	5000000.	U D
75-34-3	1,1-Dichloroethane	5000000.	U D
540-59-0	1,2-Dichloroethene_(total)	5000000.	U D
67-66-3	Chloroform	5000000.	U D
107-02-2	1,2-Dichloroethane	5000000.	U D
78-93-3	2-Butanone	10000000.	U D
71-55-6	1,1,1-Trichloroethane	5000000.	U D
56-23-5	Carbon Tetrachloride	5000000.	U D
108-05-4	Vinyl Acetate	10000000.	U D
75-27-4	Bromodichloromethane	5000000.	U D
78-87-5	1,2-Dichloropropane	5000000.	U D
10061-01-5	cis-1,3-Dichloropropene	5000000.	U D
79-01-6	Trichloroethene	5000000.	U D
124-48-1	Dibromochloromethane	5000000.	U D
79-00-5	1,1,2-Trichloroethane	5000000.	U D
71-43-2	Benzene	5000000.	U D
10061-02-6	trans-1,3-Dichloropropene	5000000.	U D
75-25-2	Bromoform	5000000.	U D
108-10-1	4-Methyl-2-pentanone	10000000.	U D
591-78-6	2-Hexanone	10000000.	U D
127-18-4	Tetrachloroethene	80000000.	D
79-34-5	1,1,2,2-Tetrachloroethane	5000000.	U D
108-88-3	Toluene	5000000.	U D
108-90-7	Chlorobenzene	5000000.	U D
100-41-4	Ethylbenzene	5000000.	U D
100-42-5	Styrene	5000000.	U D
108-38-3	m-Xylene	5000000.	U D
106-42-2	o & p-Xylene	5000000.	U D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-O-5DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2053

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/23/89

Column: PACK Dilution Factor: 10000.0

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.45	220000000.	D
2.		Unknown	6.75	1300000.	D
3.		Unknown	7.99	1000000.	D
4.		Unknown	9.78	1600000.	D
5.		Unknown	10.36	1100000.	D
6.		Unknown	11.64	870000.	D
7.		Unknown	11.83	720000.	D
8.		Unknown	12.02	7700000.	D
9.		Unknown	13.61	10000000.	D
10.		Unknown	14.54	3700000.	D
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-O-5

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1404

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	46000.	J
111-44-4	bis(-2-Chloroethyl)ether	99000.	U
95-57-8	2-Chlorophenol	99000.	U
541-73-1	1,3-Dichlorobenzene	99000.	U
106-46-7	1,4-Dichlorobenzene	99000.	U
100-51-6	Benzyl alcohol	99000.	U
95-50-1	1,2-Dichlorobenzene	99000.	U
95-48-7	2-Methylphenol	99000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	99000.	U
106-44-5	4-Methylphenol	99000.	U
621-64-7	N-Nitroso-Di-n-propylamine	99000.	U
67-72-1	Hexachloroethane	99000.	U
98-95-3	Nitrobenzene	99000.	U
78-59-1	Isophorone	99000.	U
88-75-5	2-Nitrophenol	99000.	U
105-67-9	2,4-Dimethylphenol	99000.	U
65-85-0	Benzoic acid	480000.	U
111-91-1	bis(-2-Chloroethoxy)methane	99000.	U
120-83-2	2,4-Dichlorophenol	99000.	U
120-82-1	1,2,4-Trichlorobenzene	99000.	U
91-20-3	Naphthalene	220000.	
106-47-8	4-Chloroaniline	99000.	U
87-68-3	Hexachlorobutadiene	99000.	U
59-50-7	4-Chloro-3-methylphenol	99000.	U
91-57-6	2-Methylnaphthalene	64000.	J
77-47-4	Hexachlorocyclopentadiene	99000.	U
88-06-2	2,4,6-Trichlorophenol	99000.	U
95-95-4	2,4,5-Trichlorophenol	480000.	U
91-58-7	2-Chloronaphthalene	99000.	U
88-74-4	2-Nitroaniline	480000.	U
131-11-3	Dimethylphthalate	99000.	U
208-96-8	Acenaphthylene	99000.	U
606-20-2	2,6-Dinitrotoluene	99000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-O-5

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1404

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	480000.	U
83-32-9	Acenaphthene	99000.	U
51-28-5	2,4-Dinitrophenol	480000.	U
100-02-7	4-Nitrophenol	480000.	U
132-64-9	Dibenzofuran	99000.	U
121-14-2	2,4-Dinitrotoluene	99000.	U
84-66-2	Diethylphthalate	36000.	J
7005-72-3	4-Chlorophenyl-phenylether	99000.	U
86-73-7	Fluorene	99000.	U
100-01-6	4-Nitroaniline	480000.	U
534-52-1	4,6-Dinitro-2-methylphenol	480000.	U
86-30-6	N-Nitrosodiphenylamine (1)	99000.	U
101-55-3	4-Bromophenyl-phenylether	99000.	U
118-74-1	Hexachlorobenzene	99000.	U
87-86-5	Pentachlorophenol	480000.	U
85-01-8	Phenanthrene	150000.	
120-12-7	Anthracene	31000.	J
84-74-2	Di-n-butylphthalate	260000.	
206-44-0	Fluoranthene	78000.	J
129-00-0	Pyrene	57000.	J
85-68-7	Butylbenzylphthalate	330000.	
91-94-1	3,3'-Dichlorobenzidine	200000.	U
56-55-3	Benzo(a)anthracene	99000.	U
218-01-9	Chrysene	99000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	7000000.	E
117-84-0	Di-n-Octyl_Phthalate	510000.	
205-99-2	Benzo(b)fluoranthene	99000.	U
207-08-9	Benzo(k)fluoranthene	99000.	U
50-32-8	Benzo(a)pyrene	99000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	99000.	U
53-70-3	Dibenzo(a,h)anthracene	99000.	U
191-24-2	Benzo(g,h,i)perylene	99000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-O-5

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1404

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- 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 alkane	9.18	660000.	
2.	Unknown alkane	10.89	410000.	
3.	Unknown alkane	11.12	410000.	
4.	Unknown alkane	12.03	380000.	
5.	Unknown	12.43	380000.	
6.	Unknown	12.68	160000.	
7.	Unknown alkane	13.52	310000.	
8.	Unknown	14.17	190000.	
9.	Unknown	14.46	150000.	
10.	Unknown alkane	14.67	400000.	
11.	Unknown alkane	16.95	880000.	
12.	Unknown alkane	17.53	620000.	
13.	Unknown alkane	17.60	1300000.	
14.	Unknown alkane	18.73	660000.	
15.	Unknown alkane	19.69	580000.	
16.	Unknown	20.16	620000.	
17.	Unknown alkane	20.70	450000.	
18.	Unknown alkane	21.66	980000.	
19.	Unknown	22.10	2600000.	
20.	Unknown	27.66	1700000.	
21.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-O-5DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1469

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 7/14/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	20000000.	U D
111-44-4	bis(-2-Chloroethyl)ether	20000000.	U D
95-57-8	2-Chlorophenol	20000000.	U D
541-73-1	1,3-Dichlorobenzene	20000000.	U D
106-46-7	1,4-Dichlorobenzene	20000000.	U D
100-51-6	Benzyl alcohol	20000000.	U D
95-50-1	1,2-Dichlorobenzene	20000000.	U D
95-48-7	2-Methylphenol	20000000.	U D
39638-32-9	bis(-2-chloroisopropyl)ether	20000000.	U D
106-44-5	4-Methylphenol	20000000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	20000000.	U D
67-72-1	Hexachloroethane	20000000.	U D
98-95-3	Nitrobenzene	20000000.	U D
78-59-1	Isophorone	20000000.	U D
88-75-5	2-Nitrophenol	20000000.	U D
105-67-9	2,4-Dimethylphenol	20000000.	U D
65-85-0	Benzoic acid	96000000.	U D
111-91-1	bis(-2-Chloroethoxy)methane	20000000.	U D
120-83-2	2,4-Dichlorophenol	20000000.	U D
120-82-1	1,2,4-Trichlorobenzene	20000000.	U D
91-20-3	Naphthalene	20000000.	U D
106-47-8	4-Chloroaniline	20000000.	U D
87-68-3	Hexachlorobutadiene	20000000.	U D
59-50-7	4-Chloro-3-methylphenol	20000000.	U D
91-57-6	2-Methylnaphthalene	20000000.	U D
77-47-4	Hexachlorocyclopentadiene	20000000.	U D
88-06-2	2,4,6-Trichlorophenol	20000000.	U D
95-95-4	2,4,5-Trichlorophenol	96000000.	U D
91-58-7	2-Chloronaphthalene	20000000.	U D
88-74-4	2-Nitroaniline	96000000.	U D
131-11-3	Dimethylphthalate	20000000.	U D
208-96-8	Acenaphthylene	20000000.	U D
606-20-2	2,6-Dinitrotoluene	20000000.	U D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-O-5DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1469

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 7/14/89

GPC Cleanup: (Y/N) N pH: --- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	96000000.	U D
83-32-9	Acenaphthene	20000000.	U D
51-28-5	2,4-Dinitrophenol	96000000.	U D
100-02-7	4-Nitrophenol	96000000.	U D
132-64-9	Dibenzofuran	20000000.	U D
121-14-2	2,4-Dinitrotoluene	20000000.	U D
84-66-2	Diethylphthalate	20000000.	U D
7005-72-3	4-Chlorophenyl-phenylether	20000000.	U D
86-73-7	Fluorene	20000000.	U D
100-01-6	4-Nitroaniline	96000000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	96000000.	U D
86-30-6	N-Nitrosodiphenylamine (1)	20000000.	U D
101-55-3	4-Bromophenyl-phenylether	20000000.	U D
118-74-1	Hexachlorobenzene	20000000.	U D
87-86-5	Pentachlorophenol	96000000.	U D
85-01-8	Phenanthrene	20000000.	U D
120-12-7	Anthracene	20000000.	U D
84-74-2	Di-n-butylphthalate	20000000.	U D
206-44-0	Fluoranthene	20000000.	U D
129-00-0	Pyrene	20000000.	U D
85-68-7	Butylbenzylphthalate	20000000.	U D
91-94-1	3,3'-Dichlorobenzidine	40000000.	U D
56-55-3	Benzo(a)anthracene	20000000.	U D
218-01-9	Chrysene	20000000.	U D
117-81-7	bis(2-Ethylhexyl)phthalate	11000000.	J D
117-84-0	Di-n-Octyl_Phthalate	20000000.	U D
205-99-2	Benzo(b)fluoranthene	20000000.	U D
207-08-9	Benzo(k)fluoranthene	20000000.	U D
50-32-8	Benzo(a)pyrene	20000000.	U D
193-39-5	Indeno(1,2,3-cd)pyrene	20000000.	U D
53-70-3	Dibenzo(a,h)anthracene	20000000.	U D
191-24-2	Benzo(g,h,i)perylene	20000000.	U D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-0-5DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-4DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1469

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 7/14/89

GPC Cleanup: (Y/N) N pH: --- Dilution Factor: 200.000

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	127-18-4	Ethene, tetrachloro-	4.03	10.0000000.	D
2.		Unknown alkane	10.89	2800000.	D
3.					
4.					
5.					
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

6907-0-5

Lab Name: ARDL, INC Contract: Watson Eagle Park

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

Matrix: (soil/water) Waste Lab Sample ID: 200096-4

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

Level: (low/med) MED Date Received: 06/15/89

% Moisture: not dec. dec. Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) Dilution Date Analyzed: 07/11/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC		
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor epoxide		
959-98-8	Endosulfan I		
60-57-1	Dieldrin		
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1031-07-8	Endosulfan sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor		
53494-70-5	Endrin ketone		
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
8001-35-2	Toxaphene		
12674-11-2	Aroclor-1016	5000	U
11104-28-2	Aroclor-1221	5000	U
11141-16-5	Aroclor-1232	5000	U
53469-21-9	Aroclor-1242	5000	U
12672-29-6	Aroclor-1248	5000	U
11097-69-1	Aroclor-1254	10000	U
11096-82-5	Aroclor-1260	10000	U

FORM IA

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name ARDL, Inc. IEPA Sample No. 6907-BN-3

Matrix (soil/water) WASTE Lab Sample ID: 200096-1

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	24 .024	U	F	N,S
7440-39-3	Barium (EP)	650 .65		P	N,S*
7440-43-9	Cadmium (EP)	36 .036		P	N,S
7440-47-3	Chromium (EP)	160 .16		F	S
7439-92-1	Lead (EP)	913 .913		P	S*
7439-97-6	Mercury (EP)	0.2 .0002	U	CV	S
7782-49-2	Selenium (EP)	5.0 .005	U	BH	S
7440-22-4	Silver (EP)	7.0 .007	U	P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-BN-3

Matrix (soil/water): WASTE Lab Sample ID: 200096-1

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (Mg/Kg)	0.34			
	Phenol (Mg/Kg)	38			
	Chloride (Mg/Kg)	21000			
	Sulfide (Mg/Kg)	14			
	BTU/lb	9200			
	Flashpoint (°F)	166			
	Oil and Grease (Mg/Kg)	100000			
	pH	6.8			
	% Total Solids	25			
	% ASH	0.65			
	Viscosity				
	Specific Gravity	0.8285			
	Solubility (1)				
	IN H_2O	SS			
	IN FREON	S			
	IN METHANOL	I			
	IN METHYLENE CHLORIDE	S			

(1) Insufficient sample, analysis not performed.

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

FORM IA

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name ARDL, Inc. IEPA Sample No. 6907-BN-3

Matrix (soil/water) WASTE Lab Sample ID: 200096-1

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	24	U	F	N,S
7440-39-3	Barium (EP)	650		P	N,S*
7440-43-9	Cadmium (EP)	36		P	N,S
7440-47-3	Chromium (EP)	160		F	S
7439-92-1	Lead (EP)	913		P	S*
7439-97-6	Mercury (EP)	0.2	U	CV	S
7782-49-2	Selenium (EP)	5.0	U	BH	S
7440-22-4	Silver (EP)	7.0	U	P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-BN-3

Matrix (soil/water): WASTE Lab Sample ID: 200096-1

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (Mg/Kg)	0.34			
	Phenol (Mg/Kg)	38			
	Chloride (Mg/Kg)	21000			
	Sulfide (Mg/Kg)	14			
	BTU/lb	9200			
	Flashpoint (°F)	166			
	Oil and Grease (Mg/Kg)	100000			
	pH	6.8			
	% Total Solids	25			
	% ASH	0.65			
	Viscosity				
	Specific Gravity	0.8285			
	Solubility (1)				
	IN H_2O	SS			
	IN FREON	S			
	IN METHANOL	I			
	IN METHYLENE CHLORIDE	S			

(1) Insufficient sample, analysis not performed.

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-BN-3

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2009

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	1000.	U
74-83-9	Bromomethane	1000.	U
75-01-4	Vinyl Chloride	1000.	U
75-00-3	Chloroethane	1000.	U
75-09-2	Methylene Chloride	1700.	B
67-64-1	Acetone	7200.	B
75-15-0	Carbon Disulfide	500.	U
75-35-4	1,1-Dichloroethene	500.	U
75-34-3	1,1-Dichloroethane	500.	U
540-59-0	1,2-Dichloroethene (total)	2200.	
67-66-3	Chloroform	500.	U
107-02-2	1,2-Dichloroethane	500.	U
78-93-3	2-Butanone	1000.	U
71-55-6	1,1,1-Trichloroethane	300.	J
56-23-5	Carbon Tetrachloride	500.	U
108-05-4	Vinyl Acetate	1000.	U
75-27-4	Bromodichloromethane	500.	U
78-87-5	1,2-Dichloropropane	500.	U
10061-01-5	cis-1,3-Dichloropropene	500.	U
79-01-6	Trichloroethene	7200.	
124-48-1	Dibromochloromethane	500.	U
79-00-5	1,1,2-Trichloroethane	500.	U
71-43-2	Benzene	500.	U
10061-02-6	trans-1,3-Dichloropropene	500.	U
75-25-2	Bromoform	500.	U
108-10-1	4-Methyl-2-pentanone	1000.	U
591-78-6	2-Hexanone	1000.	U
127-18-4	Tetrachloroethene	1100000.	E
79-34-5	1,1,2,2-Tetrachloroethane	500.	U
108-88-3	Toluene	23000.	
108-90-7	Chlorobenzene	4000.	
100-41-4	Ethylbenzene	980.	
100-42-5	Styrene	500.	U
108-38-3	m-Xylene	3800.	
106-42-2	o & p-Xylene	1700.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-BN-3

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V2009

Level: (low/med) MED Date Received: 6/15/99

% Moisture: not dec. --- Date Analyzed: 6/16/99

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	13.60	3700.	
2.	Unknown	21.30	610.	
3.	Unknown	24.68	2400.	
4.	Unknown	34.25	1600.	
5.	Unknown	34.87	1100.	
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-BN-3DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2021

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: (pack/cap) PACK Dilution Factor: 100.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	100000.	U D
74-83-9	Bromomethane	100000.	U D
75-01-4	Vinyl Chloride	100000.	U D
75-00-3	Chloroethane	100000.	U D
75-09-2	Methylene_Chloride	200000.	D
67-64-1	Acetone	140000.	BD
75-15-0	Carbon Disulfide	50000.	U D
75-35-4	1,1-Dichloroethene	50000.	U D
75-34-3	1,1-Dichloroethane	50000.	U D
540-59-0	1,2-Dichloroethene_(total)	50000.	U D
67-66-3	Chloroform	140000.	D
107-02-2	1,2-Dichloroethane	50000.	U D
78-93-3	2-Butanone	73000.	J D
71-55-6	1,1,1-Trichloroethane	50000.	U D
56-23-5	Carbon Tetrachloride	50000.	U D
108-05-4	Vinyl Acetate	100000.	U D
75-27-4	Bromodichloromethane	50000.	U D
78-87-5	1,2-Dichloropropane	50000.	U D
10061-01-5	cis-1,3-Dichloropropene	50000.	U D
79-01-6	Trichloroethene	50000.	U D
124-48-1	Dibromochloromethane	50000.	U D
79-00-5	1,1,2-Trichloroethane	50000.	U D
71-43-2	Benzene	50000.	U D
10061-02-6	trans-1,3-Dichloropropene	50000.	U D
75-25-2	Bromoform	50000.	U D
108-10-1	4-Methyl-2-pentanone	100000.	U D
591-78-6	2-Hexanone	100000.	U D
127-18-4	Tetrachloroethene	5500000.	DE
79-34-5	1,1,2,2-Tetrachloroethane	50000.	U D
108-88-3	Toluene	50000.	U D
108-90-7	Chlorobenzene	50000.	U D
100-41-4	Ethylbenzene	50000.	U D
100-42-5	Styrene	50000.	U D
108-38-3	m-Xylene	50000.	U D
106-42-2	o & p-Xylene	50000.	U D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-BN-3DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2021

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: PACK Dilution Factor: 100.000

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	12.05	230000.	D
2.		Unknown	13.63	140000.	D
3.					
4.					
5.					
6.					
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11.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-BN-3DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2050

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/22/89

Column: (pack/cap) PACK Dilution Factor: 1000.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1000000.	U D
74-83-9	Bromomethane	1000000.	U D
75-01-4	Vinyl Chloride	1000000.	U D
75-00-3	Chloroethane	1000000.	U D
75-09-2	Methylene Chloride	2000000.	BD
67-64-1	Acetone	2200000.	BD
75-15-0	Carbon Disulfide	500000.	U D
75-35-4	1,1-Dichloroethene	500000.	U D
75-34-3	1,1-Dichloroethane	500000.	U D
540-59-0	1,2-Dichloroethene (total)	500000.	U D
67-66-3	Chloroform	500000.	U D
107-02-2	1,2-Dichloroethane	500000.	U D
78-93-3	2-Butanone	2200000.	BD
71-55-6	1,1,1-Trichloroethane	500000.	U D
56-23-5	Carbon Tetrachloride	500000.	U D
108-05-4	Vinyl Acetate	1000000.	U D
75-27-4	Bromodichloromethane	500000.	U D
78-87-5	1,2-Dichloropropane	500000.	U D
10061-01-5	cis-1,3-Dichloropropene	500000.	U D
79-01-6	Trichloroethene	500000.	U D
124-48-1	Dibromochloromethane	500000.	U D
79-00-5	1,1,2-Trichloroethane	500000.	U D
71-43-2	Benzene	500000.	U D
10061-02-6	trans-1,3-Dichloropropene	500000.	U D
75-25-2	Bromoform	500000.	U D
108-10-1	4-Methyl-2-pentanone	1000000.	U D
591-78-6	2-Hexanone	1000000.	U D
127-18-4	Tetrachloroethene	6000000.	D
79-34-5	1,1,2,2-Tetrachloroethane	500000.	U D
108-88-3	Toluene	500000.	U D
108-90-7	Chlorobenzene	500000.	U D
100-41-4	Ethylbenzene	500000.	U D
100-42-5	Styrene	500000.	U D
108-38-3	m-Xylene	500000.	U D
106-42-2	o & p-Xylene	500000.	U D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-BN-3DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2050

Level: (low/med) MED Date Received: 6/[illegible]/89

% Moisture: not dec. --- Date Analyzed: 6/22/89

Column: PACK Dilution Factor: 1000.00

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	5.66	170000.	D
2.		Unknown	7.86	120000.	D
3.		Unknown	8.29	240000.	D
4.		Unknown	9.53	160000.	D
5.		Unknown	11.62	130000.	D
6.		Unknown	12.20	6900000.	D
7.		Unknown	13.60	640000.	D
8.		Unknown	15.54	14000000.	D
9.		Unknown	22.17	240000000.	D
10.		Unknown	24.70	180000000.	D
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-BN-3

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1401

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	99000.	U
111-44-4	bis(-2-Chloroethyl)ether	99000.	U
95-57-8	2-Chlorophenol	99000.	U
541-73-1	1,3-Dichlorobenzene	99000.	U
106-46-7	1,4-Dichlorobenzene	99000.	U
100-51-6	Benzyl alcohol	99000.	U
95-50-1	1,2-Dichlorobenzene	99000.	U
95-48-7	2-Methylphenol	99000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	99000.	U
106-44-5	4-Methylphenol	99000.	U
621-64-7	N-Nitroso-Di-n-propylamine	99000.	U
67-72-1	Hexachloroethane	99000.	U
98-95-3	Nitrobenzene	99000.	U
78-59-1	Isophorone	99000.	U
88-75-5	2-Nitrophenol	99000.	U
105-67-9	2,4-Dimethylphenol	99000.	U
65-85-0	Benzoic acid	96000.	U
111-91-1	bis(-2-Chloroethoxy)methane	99000.	U
120-83-2	2,4-Dichlorophenol	99000.	U
120-82-1	1,2,4-Trichlorobenzene	99000.	U
91-20-3	Naphthalene	27000.	J
106-47-8	4-Chloroaniline	99000.	U
87-68-3	Hexachlorobutadiene	99000.	U
59-50-7	4-Chloro-3-methylphenol	99000.	U
91-57-6	2-Methylnaphthalene	20000.	U
77-47-4	Hexachlorocyclopentadiene	99000.	U
88-06-2	2,4,6-Trichlorophenol	99000.	U
95-95-4	2,4,5-Trichlorophenol	480000.	U
91-58-7	2-Chloronaphthalene	99000.	U
88-74-4	2-Nitroaniline	480000.	U
131-11-3	Dimethylphthalate	99000.	U
208-96-8	Acenaphthylene	99000.	U
606-20-2	2,6-Dinitrotoluene	99000.	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-BN-3

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1401

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	480000.	U
83-32-9	Acenaphthene	99000.	U
51-28-5	2,4-Dinitrophenol	480000.	U
100-02-7	4-Nitrophenol	480000.	U
132-64-9	Dibenzofuran	99000.	U
121-14-2	2,4-Dinitrotoluene	99000.	U
84-66-2	Diethylphthalate	99000.	U
7005-72-3	4-Chlorophenyl-phenylether	99000.	U
86-73-7	Fluorene	99000.	U
100-01-6	4-Nitroaniline	480000.	U
534-52-1	4,6-Dinitro-2-methylphenol	480000.	U
86-30-6	N-Nitrosodiphenylamine (1)	99000.	U
101-55-3	4-Bromophenyl-phenylether	99000.	U
118-74-1	Hexachlorobenzene	99000.	U
87-86-5	Pentachlorophenol	480000.	U
85-01-8	Phenanthrene	- 13000.	J
120-12-7	Anthracene	99000.	U
84-74-2	Di-n-butylphthalate	- 16000.	J
206-44-0	Fluoranthene	99000.	U
129-00-0	Pyrene	99000.	U
85-68-7	Butylbenzylphthalate	- 17000.	J
91-94-1	3,3'-Dichlorobenzidine	200000.	U
56-55-3	Benzo(a)anthracene	99000.	U
218-01-9	Chrysene	99000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	720000.	
117-84-0	Di-n-Octyl_Phthalate	99000.	U
205-99-2	Benzo(b)fluoranthene	99000.	U
207-08-9	Benzo(k)fluoranthene	99000.	U
50-32-8	Benzo(a)pyrene	99000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	99000.	U
53-70-3	Dibenzo(a,h)anthracene	99000.	U
191-24-2	Benzo(g,h,i)perylene	99000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-BN-3

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1401

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- 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	8.62	110000.	
2.	1120-21-4	Undecane	9.17	300000.	
3.		Unknown	10.89	100000.	
4.		Unknown alkane	11.12	96000.	
5.		Unknown alkane	12.02	110000.	
6.		Unknown	12.68	78000.	
7.		Unknown	13.44	71000.	
8.		Unknown alkane	13.51	140000.	
9.		Unknown	14.16	140000.	
10.		Unknown	14.46	73000.	
11.		Unknown	14.65	300000.	
12.		Unknown alkane	15.14	74000.	
13.		Unknown	15.73	62000.	
14.		Unknown	15.88	110000.	
15.		Unknown	16.37	120000.	
16.		Unknown	16.96	160000.	
17.		Unknown	17.55	84000.	
18.		Unknown alkane	17.61	230000.	
19.		Unknown alkane	18.76	250000.	
20.		Unknown	27.66	260000.	
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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

6907-BN-3

Lab Name: ARDL, INC Contract: Watson Eagle Park

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

Matrix: (soil/water) Waste Lab Sample ID: 200096-1

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

Level: (low/med) MED Date Received: 06/15/89

% Moisture: not dec. dec. Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) Dilution Date Analyzed: 07/11/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: ug/Kg

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
319-84-6	alpha-BHC		
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor epoxide		
959-98-8	Endosulfan I		
60-57-1	Dieldrin		
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1031-07-8	Endosulfan sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor		
53494-70-5	Endrin ketone		
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
8001-35-2	Toxaphene		
12674-11-2	Aroclor-1016	5000	U
11104-28-2	Aroclor-1221	5000	U
11141-16-5	Aroclor-1232	5000	U
53469-21-9	Aroclor-1242	5000	U
12672-29-6	Aroclor-1248	5000	U
11097-69-1	Aroclor-1254	10000	U
11096-82-5	Aroclor-1260	10000	U

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name ARDL, Inc. IEPA Sample No. 6907-OS-1

Matrix (soil/water) WASTE Lab Sample ID: 200096-5

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	24 .024ppm	U	F	N,S
7440-39-3	Barium (EP)	620 .620ppm		P	N,S*
7440-43-9	Cadmium (EP)	290 .29ppm		P	N,S
7440-47-3	Chromium (EP)	690 .69ppm		F	S
7439-92-1	Lead (EP)	4600 4.6ppm		P	S*
7439-97-6	Mercury (EP)	0.2 .000ppm	U	CV	S
7782-49-2	Selenium (EP)	5.0 .005ppm	U	BH	S
7440-22-4	Silver (EP)	10. .01ppm		P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-05-1

Matrix (soil/water): WASTE Lab Sample ID: 200096-5

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/kg)	0.84			
	Phenol (mg/kg)	55			
	Chloride (mg/kg)	110000			
	Sulfide (mg/kg)	14			
	BTU /lb	9000			
	Flashpoint (°F)	108			
	Oil and Grease (mg/kg)	280000			
	pH	5.8			
	% Total Solids	61			
	% ASH	16.3			
	Viscosity (1)				
	Specific Gravity	0.8048			
	Solubility				
	IN WATER	I			
	IN FREON	S			
	IN METHANOL	I			
	IN METHYLENE CHLORIDE	S			

(1) Insufficient sample, analysis not performed.

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

FORM IA

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name ARDL, Inc. IEPA Sample No. 6907-OS-1

Matrix (soil/water) WASTE Lab Sample ID: 200096-5

Level (low/med): Date Received: 6/15/89

% Solids:

Concentration Units (ug/L or mg/kg dry weight) Ug/l

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	24	U	F	N,S
7440-39-3	Barium (EP)	620		P	N,S*
7440-43-9	Cadmium (EP)	290		P	N,S
7440-47-3	Chromium (EP)	690		F	S
7439-92-1	Lead (EP)	4600		P	S*
7439-97-6	Mercury (EP)	0.2	U	CV	S
7782-49-2	Selenium (EP)	5.0	U	BH	S
7440-22-4	Silver (EP)	10		P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-05-1

Matrix (soil/water): WASTE Lab Sample ID: 200096-5

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/kg)	0.84			
	Phenol (mg/kg)	55			
	Chloride (mg/kg)	110000			
	Sulfide (mg/kg)	14			
	BTU /lb	9000			
	Flashpoint (°F)	108			
	Oil and Grease (mg/kg)	280000			
	pH	5.8			
	% Total Solids	61			
	% ASH	16.3			
	Viscosity (1)				
	Specific Gravity	0.8048			
	Solubility				
	IN WATER	I			
	IN FREON	S			
	IN METHANOL	I			
	IN METHYLENE CHLORIDE	S			

(1) Insufficient sample, analysis not performed.

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-DS-1

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2013

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	1000.	U
74-83-9	Bromomethane	1000.	U
75-01-4	Vinyl Chloride	1000.	U
75-00-3	Chloroethane	1000.	U
75-09-2	Methylene Chloride	2300.	B
67-64-1	Acetone	3200.	B
75-15-0	Carbon Disulfide	500.	U
75-35-4	1,1-Dichloroethene	2400.	
75-34-3	1,1-Dichloroethane	500.	U
540-59-0	1,2-Dichloroethene (total)	40000.	E
67-66-3	Chloroform	500.	U
107-02-2	1,2-Dichloroethane	500.	U
78-93-3	2-Butanone	1000.	U
71-55-6	1,1,1-Trichloroethane	1300.	
56-23-5	Carbon Tetrachloride	500.	U
108-05-4	Vinyl Acetate	1000.	U
75-27-4	Bromodichloromethane	500.	U
78-87-5	1,2-Dichloropropane	500.	U
10061-01-5	cis-1,3-Dichloropropene	500.	U
79-01-6	Trichloroethene	370000.	E
124-48-1	Dibromochloromethane	500.	U
79-00-5	1,1,2-Trichloroethane	500.	U
71-43-2	Benzene	500.	U
10061-02-6	trans-1,3-Dichloropropene	500.	U
75-25-2	Bromoform	500.	U
108-10-1	4-Methyl-2-pentanone	1000.	U
591-78-6	2-Hexanone	1000.	U
127-18-4	Tetrachloroethene	950000.	E
79-34-5	1,1,2,2-Tetrachloroethane	500.	U
108-88-3	Toluene	32000.	E
108-90-7	Chlorobenzene	37000.	E
100-41-4	Ethylbenzene	500.	U
100-42-5	Styrene	500.	U
108-38-3	m-Xylene	30000.	E
106-42-2	o & p-Xylene	19000.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-DS-1

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V1013

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	8.34	900.	
2.	Unknown	11.18	730.	
3.	Unknown	13.61	4400.	
4.	Unknown	19.50	1500.	
5.	Unknown	21.21	12000.	
6.	Unknown	23.25	540000.	
7.	Unknown	25.99	330.	
8.	Unknown	31.46	3000.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-OS-1DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2025

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: (pack/cap) PACK Dilution Factor: 100.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	100000.	U D
74-83-9	Bromomethane	100000.	U D
75-01-4	Vinyl Chloride	100000.	U D
75-00-3	Chloroethane	100000.	U D
75-09-2	Methylene Chloride	190000.	D
67-64-1	Acetone	140000.	BD
75-15-0	Carbon Disulfide	50000.	U D
75-35-4	1,1-Dichloroethene	50000.	U D
75-34-3	1,1-Dichloroethane	50000.	U D
540-59-0	1,2-Dichloroethene (total)	57000.	D
67-66-3	Chloroform	150000.	D
107-02-2	1,2-Dichloroethane	50000.	U D
78-93-3	2-Butanone	100000.	U D
71-55-6	1,1,1-Trichloroethane	50000.	U D
56-23-5	Carbon Tetrachloride	50000.	U D
108-05-4	Vinyl Acetate	100000.	U D
75-27-4	Bromodichloromethane	50000.	U D
78-87-5	1,2-Dichloropropane	50000.	U D
10061-01-5	cis-1,3-Dichloropropene	50000.	U D
79-01-6	Trichloroethene	650000.	D
124-48-1	Dibromochloromethane	50000.	U D
79-00-5	1,1,2-Trichloroethane	50000.	U D
71-43-2	Benzene	50000.	U D
10061-02-6	trans-1,3-Dichloropropene	50000.	U D
75-25-2	Bromoform	50000.	U D
108-10-1	4-Methyl-2-pentanone	100000.	U D
591-78-6	2-Hexanone	100000.	U D
127-18-4	Tetrachloroethene	110000000.	DE
79-34-5	1,1,2,2-Tetrachloroethane	50000.	U D
108-88-3	Toluene	100000.	D
108-90-7	Chlorobenzene	50000.	U D
100-41-4	Ethylbenzene	97000.	D
100-42-5	Styrene	50000.	U D
108-38-3	m-Xylene	220000.	D
106-42-2	o & p-Xylene	160000.	D

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-OS-1DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2025

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: PACK Dilution Factor: 100.000

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	13.75	110000.	D
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-OS-1DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2054

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/23/89

Column: (pack/cap) PACK Dilution Factor: 10000.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10000000.	U D
74-83-9	Bromomethane	10000000.	U D
75-01-4	Vinyl Chloride	10000000.	U D
75-00-3	Chloroethane	10000000.	U D
75-09-2	Methylene_Chloride	24000000.	BD
67-64-1	Acetone	18000000.	BD
75-15-0	Carbon Disulfide	5000000.	U D
75-35-4	1,1-Dichloroethene	5000000.	U D
75-34-3	1,1-Dichloroethane	5000000.	U D
540-59-0	1,2-Dichloroethene_(total)	5000000.	U D
67-66-3	Chloroform	5000000.	U D
107-02-2	1,2-Dichloroethane	5000000.	U D
78-93-3	2-Butanone	15000000.	BD
71-55-6	1,1,1-Trichloroethane	5000000.	U D
56-23-5	Carbon Tetrachloride	5000000.	U D
108-05-4	Vinyl Acetate	10000000.	U D
75-27-4	Bromodichloromethane	5000000.	U D
78-87-5	1,2-Dichloropropane	5000000.	U D
10061-01-5	cis-1,3-Dichloropropene	5000000.	U D
79-01-6	Trichloroethene	5000000.	U D
124-48-1	Dibromochloromethane	5000000.	U D
79-00-5	1,1,2-Trichloroethane	5000000.	U D
71-43-2	Benzene	5000000.	U D
10061-02-6	trans-1,3-Dichloropropene	5000000.	U D
75-25-2	Bromoform	5000000.	U D
108-10-1	4-Methyl-2-pentanone	10000000.	U D
591-78-6	2-Hexanone	10000000.	U D
127-18-4	Tetrachloroethene	31000000.	D
79-34-5	1,1,2,2-Tetrachloroethane	5000000.	U D
108-88-3	Toluene	5000000.	U D
108-90-7	Chlorobenzene	5000000.	U D
100-41-4	Ethylbenzene	5000000.	U D
100-42-5	Styrene	5000000.	U D
108-38-3	m-Xylene	5000000.	U D
106-42-2	o & p-Xylene	5000000.	U D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-OS-1DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2054

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/23/89

Column: PACK Dilution Factor: 10000.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	12.08	28000000.	D
2.	Unknown	13.63	9900000.	D
3.	Unknown	22.32	28000000.	D
4.	Unknown	27.14	280000000.	D
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-OS-1

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1405

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	45000.	J
111-44-4	bis(-2-Chloroethyl)ether	99000.	U
95-57-8	2-Chlorophenol	99000.	U
541-73-1	1,3-Dichlorobenzene	99000.	U
106-46-7	1,4-Dichlorobenzene	99000.	U
100-51-6	Benzyl alcohol	99000.	U
95-50-1	1,2-Dichlorobenzene	99000.	U
95-48-7	2-Methylphenol	99000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	99000.	U
106-44-5	4-Methylphenol	99000.	U
621-64-7	N-Nitroso-Di-n-propylamine	99000.	U
67-72-1	Hexachloroethane	99000.	U
98-95-3	Nitrobenzene	99000.	U
78-59-1	Isophorone	99000.	U
88-75-5	2-Nitrophenol	99000.	U
105-67-9	2,4-Dimethylphenol	99000.	U
65-85-0	Benzoic acid	480000.	U
111-91-1	bis(-2-Chloroethoxy)methane	99000.	U
120-83-2	2,4-Dichlorophenol	99000.	U
120-82-1	1,2,4-Trichlorobenzene	99000.	U
91-20-3	Naphthalene	230000.	
106-47-8	4-Chloroaniline	99000.	U
87-68-3	Hexachlorobutadiene	99000.	U
59-50-7	4-Chloro-3-methylphenol	99000.	U
91-57-6	2-Methylnaphthalene	99000.	U
77-47-4	Hexachlorocyclopentadiene	99000.	U
88-06-2	2,4,6-Trichlorophenol	99000.	U
95-95-4	2,4,5-Trichlorophenol	480000.	U
91-58-7	2-Chloronaphthalene	99000.	U
88-74-4	2-Nitroaniline	480000.	U
131-11-3	Dimethylphthalate	99000.	U
208-96-8	Acenaphthylene	99000.	U
606-20-2	2,6-Dinitrotoluene	99000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-OS-1

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1405

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	480000.	U
83-32-9	Acenaphthene	99000.	U
51-28-5	2,4-Dinitrophenol	480000.	U
100-02-7	4-Nitrophenol	480000.	U
132-64-9	Dibenzofuran	99000.	U
121-14-2	2,4-Dinitrotoluene	99000.	U
84-66-2	Diethylphthalate	26000.	J
7005-72-3	4-Chlorophenyl-phenylether	99000.	U
86-73-7	Fluorene	99000.	U
100-01-6	4-Nitroaniline	480000.	U
534-52-1	4,6-Dinitro-2-methylphenol	480000.	U
86-30-6	N-Nitrosodiphenylamine (1)	44000.	J
101-55-3	4-Bromophenyl-phenylether	99000.	U
118-74-1	Hexachlorobenzene	99000.	U
87-86-5	Pentachlorophenol	480000.	U
85-01-8	Phenanthrene	96000.	J
120-12-7	Anthracene	17000.	J
84-74-2	Di-n-butylphthalate	180000.	
206-44-0	Fluoranthene	40000.	J
129-00-0	Pyrene	36000.	J
85-68-7	Butylbenzylphthalate	270000.	
91-94-1	3,3'-Dichlorobenzidine	200000.	U
56-55-3	Benzo(a)anthracene	99000.	U
218-01-9	Chrysene	99000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	7000000.	E
117-84-0	Di-n-Octyl_Phthalate	420000.	
205-99-2	Benzo(b)fluoranthene	99000.	U
207-08-9	Benzo(k)fluoranthene	99000.	U
50-32-8	Benzo(a)pyrene	99000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	99000.	U
53-70-3	Dibenzo(a,h)anthracene	99000.	U
191-24-2	Benzo(g,h,i)perylene	99000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-OS-1

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1405

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH: --- 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	8.59	520000.	
2.		Unknown alkane	9.16	800000.	
3.		Unknown alkane	10.87	430000.	
4.		Unknown alkane	11.08	420000.	
5.		Unknown alkane	12.00	670000.	
6.		Unknown alkane	12.39	360000.	
7.		Unknown alkane	12.66	350000.	
8.		Unknown	13.16	330000.	
9.		Unknown alkane	13.49	810000.	
10.		Unknown	14.43	330000.	
11.		Unknown alkane	14.63	950000.	
12.		Unknown	15.11	400000.	
13.		Unknown	16.34	460000.	
14.		Unknown alkane	16.92	670000.	
15.		Unknown alkane	17.51	520000.	
16.		Unknown alkane	17.57	780000.	
17.		Unknown alkane	18.71	500000.	
18.		Unknown alkane	19.67	430000.	
19.		Unknown alkane	21.63	400000.	
20.		Unknown	27.63	1600000.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-OS-1DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1409

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	20000000.	U D
111-44-4	bis(-2-Chloroethyl)ether	20000000.	U D
95-57-8	2-Chlorophenol	20000000.	U D
541-73-1	1,3-Dichlorobenzene	20000000.	U D
106-46-7	1,4-Dichlorobenzene	20000000.	U D
100-51-6	Benzyl alcohol	20000000.	U D
95-50-1	1,2-Dichlorobenzene	20000000.	U D
95-48-7	2-Methylphenol	20000000.	U D
39638-32-9	bis(-2-chloroisopropyl)ether	20000000.	U D
106-44-5	4-Methylphenol	20000000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	20000000.	U D
67-72-1	Hexachloroethane	20000000.	U D
98-95-3	Nitrobenzene	20000000.	U D
78-59-1	Isophorone	20000000.	U D
88-75-5	2-Nitrophenol	20000000.	U D
105-67-9	2,4-Dimethylphenol	20000000.	U D
65-85-0	Benzoic acid	96000000.	U D
111-91-1	bis(-2-Chloroethoxy)methane	20000000.	U D
120-83-2	2,4-Dichlorophenol	20000000.	U D
120-82-1	1,2,4-Trichlorobenzene	20000000.	U D
91-20-3	Naphthalene	20000000.	U D
106-47-8	4-Chloroaniline	20000000.	U D
87-68-3	Hexachlorobutadiene	20000000.	U D
59-50-7	4-Chloro-3-methylphenol	20000000.	U D
91-57-6	2-Methylnaphthalene	20000000.	U D
77-47-4	Hexachlorocyclopentadiene	20000000.	U D
88-06-2	2,4,6-Trichlorophenol	20000000.	U D
95-95-4	2,4,5-Trichlorophenol	96000000.	U D
91-58-7	2-Chloronaphthalene	20000000.	U D
88-74-4	2-Nitroaniline	96000000.	U D
131-11-3	Dimethylphthalate	20000000.	U D
208-96-8	Acenaphthylene	20000000.	U D
606-20-2	2,6-Dinitrotoluene	20000000.	U D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-OS-1DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1409

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- , dec. --- Date Extracted: N/A

Extraction: (Sept/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	96000000.	U D
83-32-9	Acenaphthene	20000000.	U D
51-28-5	2,4-Dinitrophenol	96000000.	U D
100-02-7	4-Nitrophenol	96000000.	U D
132-64-9	Dibenzofuran	20000000.	U D
121-14-2	2,4-Dinitrotoluene	20000000.	U D
84-66-2	Diethylphthalate	20000000.	U D
7005-72-3	4-Chlorophenyl-phenylether	20000000.	U D
86-73-7	Fluorene	20000000.	U D
100-01-6	4-Nitroaniline	96000000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	96000000.	U D
86-30-6	N-Nitrosodiphenylamine (1)	20000000.	U D
101-55-3	4-Bromophenyl-phenylether	20000000.	U D
118-74-1	Hexachlorobenzene	20000000.	U D
87-86-5	Pentachlorophenol	96000000.	U D
85-01-8	Phenanthrene	20000000.	U D
120-12-7	Anthracene	20000000.	U D
84-74-2	Di-n-butylphthalate	20000000.	U D
206-44-0	Fluoranthene	20000000.	U D
129-00-0	Pyrene	20000000.	U D
85-68-7	Butylbenzylphthalate	20000000.	U D
91-94-1	3,3'-Dichlorobenzidine	40000000.	U D
56-55-3	Benzo(a)anthracene	20000000.	U D
218-01-9	Chrysene	20000000.	U D
117-81-7	bis(2-Ethylhexyl)phthalate	290000000.	D
117-84-0	Di-n-Octyl_Phthalate	20000000.	U D
205-99-2	Benzo(b)fluoranthene	20000000.	U D
207-08-9	Benzo(k)fluoranthene	20000000.	U D
50-32-8	Benzo(a)pyrene	20000000.	U D
193-39-5	Indeno(1,2,3-cd)pyrene	20000000.	U D
53-70-3	Dibenzo(a,h)anthracene	20000000.	U D
191-24-2	Benzo(g,h,i)perylene	20000000.	U D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-OS-1DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-5DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1409

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	9.20	1400000.	D
2.	Unknown	10.91	860000.	D
3.	Unknown alkane	11.14	830000.	D
4.	Unknown alkane	12.04	1000000.	D
5.	Unknown	12.70	750000.	D
6.	Unknown alkane	13.53	1400000.	D
7.	Unknown	14.17	760000.	D
8.	Unknown alkane	14.67	2100000.	D
9.	Unknown	16.39	1600000.	D
10.	Unknown alkane	17.62	1200000.	D
11.	Unknown	18.55	1500000.	D
12.	Unknown	25.23	1100000.	D
13.	Unknown	27.67	3700000.	D
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO
6907-05-1

Lab Name: ARDL, INC Contract: Watson Eagle Park

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

Matrix: (soil/water) Waste Lab Sample ID: 200096-5

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

Level: (low/med) MED Date Received: 06/15/89

% Moisture: not dec. dec. Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) Dilution Date Analyzed: 07/11/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: ug/Kg

CAS NO.	COMPOUND	(ug/L or ug/Kg)	Q
319-84-6	alpha-BHC		
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor epoxide		
959-98-8	Endosulfan I		
60-57-1	Dieldrin		
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1013-07-8	Endosulfan sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor		
53494-70-5	Endrin ketone		
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
8001-35-2	Toxaphene		
12674-11-2	Arochlor-1016	5000	U
11104-28-2	Arochlor-1221	5000	U
11141-16-5	Arochlor-1232	5000	U
53469-21-9	Arochlor-1242	5000	U
12672-29-6	Arochlor-1248	5000	U
11097-69-1	Arochlor-1254	10000	U
11096-82-5	Arochlor-1260	10000	U

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-FOS-2

Matrix (soil/water): WASTE Lab Sample ID: 200096-2

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/Kg)	2.1			
	Phenol (mg/Kg)	56			
	Chloride (mg/Kg)	49000			
	Sulfide (mg/Kg)	33			
	BTU/lb	9600			
	Flashpoint (°F)	(1)			
	Oil and Grease (mg/Kg)	370000			
	pH	6.1			
	% Total Solids	62			
	% ASH	17.6			
	Viscosity	(1)			
	Specific Gravity	(1)			
	Solubility				
	IN WATER	I			
	IN FREON	S			
	IN METHANOL	I			
	IN METHYLENE CHLORIDE	S			

(1) Insufficient Sample, Analysis not performed.

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

FORM IA

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name: ARDL, Inc.

IEPA Sample No. 6907-FOS-2

Matrix (soil/water) WASTE

Lab Sample ID: 200096-2

Level (low/med):

Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	48		F	N, S
7440-39-3	Barium (EP)	1900		P	N, S *
7440-43-9	Cadmium (EP)	290		P	N, S
7440-47-3	Chromium (EP)	1088		F	S
7439-92-1	Lead (EP)	42000		P	S *
7439-97-6	Mercury (EP)	0.2	U	CV	S
7782-49-2	Selenium (EP)	5.0	U	BH	S
7440-22-4	Silver (EP)	7.0	U	P	S

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2010

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	1000.	U
74-83-9	Bromomethane	1000.	U
75-01-4	Vinyl Chloride	1000.	U
75-00-3	Chloroethane	1000.	U
75-09-2	Methylene Chloride	1900.	B
67-64-1	Acetone	3300.	B
75-15-0	Carbon Disulfide	500.	U
75-35-4	1,1-Dichloroethene	3400.	
75-34-3	1,1-Dichloroethane	500.	U
540-59-0	1,2-Dichloroethene (total)	43000.	E
67-66-3	Chloroform	500.	U
107-02-2	1,2-Dichloroethane	500.	U
78-93-3	2-Butanone	1000.	U
71-55-6	1,1,1-Trichloroethane	2300.	
56-23-5	Carbon Tetrachloride	500.	U
108-05-4	Vinyl Acetate	1000.	U
75-27-4	Bromodichloromethane	500.	U
78-87-5	1,2-Dichloropropane	500.	U
10061-01-5	cis-1,3-Dichloropropene	500.	U
79-01-6	Trichloroethene	240000.	E
124-48-1	Dibromochloromethane	500.	U
79-00-5	1,1,2-Trichloroethane	500.	U
71-43-2	Benzene	500.	U
10061-02-6	trans-1,3-Dichloropropene	500.	U
75-25-2	Bromoform	500.	U
108-10-1	4-Methyl-2-pentanone	1000.	U
591-78-6	2-Hexanone	1000.	U
127-18-4	Tetrachloroethene	690000.	E
79-34-5	1,1,2,2-Tetrachloroethane	500.	U
108-88-3	Toluene	2700.	
108-90-7	Chlorobenzene	36000.	E
100-41-4	Ethylbenzene	6000.	
100-42-5	Styrene	500.	U
108-38-3	m-Xylene	27000.	E
106-42-2	o & p-Xylene	17000.	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FOS-2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-1

Sample wt/vol: 4.0 (g/mL) G Lab File ID: MV2010

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.62	4700.	
2.		Unknown	21.21	7300.	
3.		Unknown	24.01	940000.	
4.		Unknown	28.08	540.	
5.		Unknown	31.26	680.	
6.		Unknown	34.25	1500.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2022

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: (pack/cap) PACK Dilution Factor: 100.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	100000.	U D
74-83-9	Bromomethane	100000.	U D
75-01-4	Vinyl Chloride	100000.	U D
75-00-3	Chloroethane	100000.	U D
75-09-2	Methylene_Chloride	230000.	D
67-64-1	Acetone	140000.	BD
75-15-0	Carbon Disulfide	50000.	U D
75-35-4	1,1-Dichloroethene	50000.	U D
75-34-3	1,1-Dichloroethane	50000.	U D
540-59-0	1,2-Dichloroethene_(total)	50000.	U D
67-66-3	Chloroform	150000.	D
107-02-2	1,2-Dichloroethane	50000.	U D
78-93-3	2-Butanone	89000.	J D
71-55-6	1,1,1-Trichloroethane	50000.	U D
56-23-5	Carbon Tetrachloride	50000.	U D
108-05-4	Vinyl Acetate	100000.	U D
75-27-4	Bromodichloromethane	50000.	U D
78-87-5	1,2-Dichloropropane	50000.	U D
10061-01-5	cis-1,3-Dichloropropene	50000.	U D
79-01-6	Trichloroethene	260000.	D
124-48-1	Dibromochloromethane	50000.	U D
79-00-5	1,1,2-Trichloroethane	50000.	U D
71-43-2	Benzene	50000.	U D
10061-02-6	trans-1,3-Dichloropropene	50000.	U D
75-25-2	Bromoform	50000.	U D
108-10-1	4-Methyl-2-pentanone	100000.	U D
591-78-6	2-Hexanone	100000.	U D
127-18-4	Tetrachloroethene	56000000.	DE
79-34-5	1,1,2,2-Tetrachloroethane	50000.	U D
108-88-3	Toluene	86000.	D
108-90-7	Chlorobenzene	59000.	D
100-41-4	Ethylbenzene	50000.	U D
100-42-5	Styrene	50000.	U D
108-38-3	m-Xylene	50000.	U D
106-42-2	o & p-Xylene	50000.	U D

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FOS-2DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2022

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: PACK Dilution Factor: 100.000

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	12.05	230000.	D
2.		Unknown	13.68	110000.	D
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2051

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/22/89

Column: (pack/cap) PACK Dilution Factor: 10000.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	-10000000.	U D
74-83-9	Bromomethane	10000000.	U D
75-01-4	Vinyl Chloride	10000000.	U D
75-00-3	Chloroethane	10000000.	U D
75-09-2	Methylene Chloride	-20000000.	BD
67-64-1	Acetone	-18000000.	BD
75-15-0	Carbon Disulfide	5000000.	U D
75-35-4	1,1-Dichloroethene	5000000.	U D
75-34-3	1,1-Dichloroethane	5000000.	U D
540-59-0	1,2-Dichloroethene (total)	5000000.	U D
67-66-3	Chloroform	5000000.	U D
107-02-2	1,2-Dichloroethane	5000000.	U D
78-93-3	2-Butanone	-32000000.	BD
71-55-6	1,1,1-Trichloroethane	5000000.	U D
56-23-5	Carbon Tetrachloride	5000000.	U D
108-05-4	Vinyl Acetate	10000000.	U D
75-27-4	Bromodichloromethane	5000000.	U D
78-87-5	1,2-Dichloropropane	5000000.	U D
10061-01-5	cis-1,3-Dichloropropene	5000000.	U D
79-01-6	Trichloroethene	5000000.	U D
124-48-1	Dibromochloromethane	5000000.	U D
79-00-5	1,1,2-Trichloroethane	5000000.	U D
71-43-2	Benzene	5000000.	U D
10061-02-6	trans-1,3-Dichloropropene	5000000.	U D
75-25-2	Bromoform	5000000.	U D
108-10-1	4-Methyl-2-pentanone	10000000.	U D
591-78-6	2-Hexanone	10000000.	U D
127-18-4	Tetrachloroethene	+210000000.	D
79-34-5	1,1,2,2-Tetrachloroethane	5000000.	U D
108-88-3	Toluene	5000000.	U D
108-90-7	Chlorobenzene	5000000.	U D
100-41-4	Ethylbenzene	5000000.	U D
100-42-5	Styrene	5000000.	U D
108-38-3	m-Xylene	5000000.	U D
106-42-2	o & p-Xylene	5000000.	U D

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FOS-2DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2051

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/22/89

Column: PACK Dilution Factor: 10000.0

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	12.10	74000000.	D
2.		Unknown	15.09	63000000.	D
3.		Unknown	22.38	7800000.	D
4.		Unknown	25.61	31000000.	D
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1402

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	40000.	J
111-44-4	bis(-2-Chloroethyl)ether	99000.	U
95-57-8	2-Chlorophenol	99000.	U
541-73-1	1,3-Dichlorobenzene	99000.	U
106-46-7	1,4-Dichlorobenzene	99000.	U
100-51-6	Benzyl alcohol	99000.	U
95-50-1	1,2-Dichlorobenzene	99000.	U
95-48-7	2-Methylphenol	99000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	99000.	U
106-44-5	4-Methylphenol	99000.	U
621-64-7	N-Nitroso-Di-n-propylamine	99000.	U
67-72-1	Hexachloroethane	99000.	U
98-95-3	Nitrobenzene	99000.	U
78-59-1	Isophorone	99000.	U
88-75-5	2-Nitrophenol	99000.	U
105-67-9	2,4-Dimethylphenol	99000.	U
65-85-0	Benzoic acid	480000.	U
111-91-1	bis(-2-Chloroethoxy)methane	99000.	U
120-83-2	2,4-Dichlorophenol	99000.	U
120-82-1	1,2,4-Trichlorobenzene	99000.	U
91-20-3	Naphthalene	180000.	
106-47-8	4-Chloroaniline	99000.	U
87-68-3	Hexachlorobutadiene	99000.	U
59-50-7	4-Chloro-3-methylphenol	99000.	U
91-57-6	2-Methylnaphthalene	57000.	J
77-47-4	Hexachlorocyclopentadiene	99000.	U
88-06-2	2,4,6-Trichlorophenol	99000.	U
95-95-4	2,4,5-Trichlorophenol	480000.	U
91-58-7	2-Chloronaphthalene	99000.	U
88-74-4	2-Nitroaniline	480000.	U
131-11-3	Dimethylphthalate	99000.	U
208-96-8	Acenaphthylene	99000.	U
606-20-2	2,6-Dinitrotoluene	99000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1402

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	480000.	U
83-32-9	Acenaphthene	99000.	U
51-28-5	2,4-Dinitrophenol	480000.	U
100-02-7	4-Nitrophenol	480000.	U
132-64-9	Dibenzofuran	99000.	U
121-14-2	2,4-Dinitrotoluene	99000.	U
84-66-2	Diethylphthalate	- 32000.	J
7005-72-3	4-Chlorophenyl-phenylether	99000.	U
86-73-7	Fluorene	99000.	U
100-01-6	4-Nitroaniline	480000.	U
534-52-1	4,6-Dinitro-2-methylphenol	480000.	U
86-30-6	N-Nitrosodiphenylamine (1)	- 46000.	J
101-55-3	4-Bromophenyl-phenylether	99000.	U
118-74-1	Hexachlorobenzene	99000.	U
87-86-5	Pentachlorophenol	480000.	U
85-01-8	Phenanthrene	- 100000.	
120-12-7	Anthracene	- 16000.	J
84-74-2	Di-n-butylphthalate	- 210000.	
206-44-0	Fluoranthene	- 48000.	J
129-00-0	Pyrene	- 42000.	J
85-68-7	Butylbenzylphthalate	- 330000.	
91-94-1	3,3'-Dichlorobenzidine	200000.	U
56-55-3	Benzo(a)anthracene	99000.	U
218-01-9	Chrysene	99000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	- 6300000.	E
117-84-0	Di-n-Octyl_Phthalate	99000.	U
205-99-2	Benzo(b)fluoranthene	99000.	U
207-08-9	Benzo(k)fluoranthene	99000.	U
50-32-8	Benzo(a)pyrene	99000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	99000.	U
53-70-3	Dibenzo(a,h)anthracene	99000.	U
191-24-2	Benzo(g,h,i)perylene	99000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FOS-2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1402

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- 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	8.21	480000.	
2.	Unknown	8.64	640000.	
3.	Unknown alkane	9.22	840000.	
4.	Unknown alkane	10.93	480000.	
5.	Unknown alkane	11.15	430000.	
6.	Unknown alkane	12.07	680000.	
7.	Unknown	12.46	410000.	
8.	Unknown	12.73	380000.	
9.	Unknown alkane	13.56	810000.	
10.	Unknown	14.21	540000.	
11.	Unknown alkane	14.71	1100000.	
12.	Unknown	15.19	480000.	
13.	Unknown alkane	16.99	590000.	
14.	Unknown alkane	17.58	540000.	
5.	Unknown alkane	17.65	860000.	
16.	Unknown alkane	18.79	470000.	
17.	Unknown alkane	19.74	460000.	
18.	Unknown alkane	21.71	1400000.	
19.	Unknown	22.13	2100000.	
20.	Unknown	27.71	1600000.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1407

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	20000000.	U D
111-44-4	bis(-2-Chloroethyl)ether	20000000.	U D
95-57-8	2-Chlorophenol	20000000.	U D
541-73-1	1,3-Dichlorobenzene	20000000.	U D
106-46-7	1,4-Dichlorobenzene	20000000.	U D
100-51-6	Benzyl alcohol	20000000.	U D
95-50-1	1,2-Dichlorobenzene	20000000.	U D
95-48-7	2-Methylphenol	20000000.	U D
39638-32-9	bis(-2-chloroisopropyl)ether	20000000.	U D
106-44-5	4-Methylphenol	20000000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	20000000.	U D
67-72-1	Hexachloroethane	20000000.	U D
98-95-3	Nitrobenzene	20000000.	U D
78-59-1	Isophorone	20000000.	U D
88-75-5	2-Nitrophenol	20000000.	U D
105-67-9	2,4-Dimethylphenol	20000000.	U D
65-85-0	Benzoic acid	96000000.	U D
111-91-1	bis(-2-Chloroethoxy)methane	20000000.	U D
120-83-2	2,4-Dichlorophenol	20000000.	U D
120-82-1	1,2,4-Trichlorobenzene	20000000.	U D
91-20-3	Naphthalene	20000000.	U D
106-47-8	4-Chloroaniline	20000000.	U D
87-68-3	Hexachlorobutadiene	20000000.	U D
59-50-7	4-Chloro-3-methylphenol	20000000.	U D
91-57-6	2-Methylnaphthalene	20000000.	U D
77-47-4	Hexachlorocyclopentadiene	20000000.	U D
88-06-2	2,4,6-Trichlorophenol	20000000.	U D
95-95-4	2,4,5-Trichlorophenol	96000000.	U D
91-58-7	2-Chloronaphthalene	20000000.	U D
88-74-4	2-Nitroaniline	96000000.	U D
131-11-3	Dimethylphthalate	20000000.	U D
208-96-8	Acenaphthylene	20000000.	U D
606-20-2	2,6-Dinitrotoluene	20000000.	U D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FOS-2DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1407

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	96000000.	U D
83-32-9	Acenaphthene	20000000.	U D
51-28-5	2,4-Dinitrophenol	96000000.	U D
100-02-7	4-Nitrophenol	96000000.	U D
132-64-9	Dibenzofuran	20000000.	U D
121-14-2	2,4-Dinitrotoluene	20000000.	U D
84-66-2	Diethylphthalate	20000000.	U D
7005-72-3	4-Chlorophenyl-phenylether	20000000.	U D
86-73-7	Fluorene	20000000.	U D
100-01-6	4-Nitroaniline	96000000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	96000000.	U D
86-30-6	N-Nitrosodiphenylamine (1)	20000000.	U D
101-55-3	4-Bromophenyl-phenylether	20000000.	U D
118-74-1	Hexachlorobenzene	20000000.	U D
87-86-5	Pentachlorophenol	96000000.	U D
85-01-8	Phenanthrene	20000000.	U D
120-12-7	Anthracene	20000000.	U D
84-74-2	Di-n-butylphthalate	20000000.	U D
206-44-0	Fluoranthene	20000000.	U D
129-00-0	Pyrene	20000000.	U D
85-68-7	Butylbenzylphthalate	20000000.	U D
91-94-1	3,3'-Dichlorobenzidine	40000000.	U D
56-55-3	Benzo(a)anthracene	20000000.	U D
218-01-9	Chrysene	20000000.	U D
117-81-7	bis(2-Ethylhexyl)phthalate	15000000.	J D
117-84-0	Di-n-Octyl_Phthalate	20000000.	U D
205-99-2	Benzo(b)fluoranthene	20000000.	U D
207-08-9	Benzo(k)fluoranthene	20000000.	U D
50-32-8	Benzo(a)pyrene	20000000.	U D
193-39-5	Indeno(1,2,3-cd)pyrene	20000000.	U D
53-70-3	Dibenzo(a,h)anthracene	20000000.	U D
191-24-2	Benzo(g,h,i)perylene	20000000.	U D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FOS-2DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-2DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1407

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

Number TICs found: 0

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

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

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

6907-F05-2

Lab Name: ARDL, INC Contract: Watson Eagle Park

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

Matrix: (soil/water) Waste Lab Sample ID: 200096-2

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

Level: (low/med) MED Date Received: 06/15/89

% Moisture: not dec. dec. Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) Dilution Date Analyzed: 07/11/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC		
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor epoxide		
959-98-8	Endosulfan I		
60-57-1	Dieldrin		
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1013-07-8	Endosulfan sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor		
53494-70-5	Endrin ketone		
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
8001-35-2	Toxaphene		
12674-11-2	Arochlor-1016	5000	U
11104-28-2	Arochlor-1221	5000	U
11141-16-5	Arochlor-1232	5000	U
53469-21-9	Arochlor-1242	5000	U
12672-29-6	Arochlor-1248	5000	U
11097-69-1	Arochlor-1254	10000	U
11096-82-5	Arochlor-1260	10000	U

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. L967-FO-4

Matrix (soil/water): WASTE Lab Sample ID: 200096-3

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/Kg)	0.42			
	Phenol (mg/Kg)	58			
	Chloride (mg/Kg)	39000			
	Sulfide (mg/Kg)	14			
	BTU /lb	11000			
	Flashpoint (°F)	106			
	Oil and Grease (mg/Kg)	540000			
	pH	6.9			
	% Total Solids	43			
	% ASH	2.6			
	Viscosity (CPS)	37			
	Specific Gravity	0.8948			
	Solubility				
	IN WATER	SS			
	IN FREON	S			
	IN METHANOL	SS			
	IN METHYLENE CHLORIDE	S			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

FORM IA

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-FO-4

Matrix (soil/water): WASTE Lab Sample ID: 200096-3

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	44 .044 ppm		F	N,S
7440-39-3	Barium (EP)	900 .9 ppm		P	N,S*
7440-43-9	Cadmium (EP)	200 .2 ppm		P	N,S
7440-47-3	Chromium (EP)	676 .68 ppm		F	S
7439-92-1	Lead (EP)	26000 26 ppm		P	S*
7439-97-6	Mercury (EP)	0.2 .0002 ppm	U	CV	S
7782-49-2	Selenium (EP)	5.0 .005 ppm	U	BH	S
7440-22-4	Silver (EP)	7.0 .007 ppm	U	P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

Lab Name: ARDL, Inc. IEPA Sample No. L967-FO-4

Matrix (soil/water): WASTE Lab Sample ID: 200096-3

Level (low/med): Date Received: 6/15/89

% Solids:

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide (mg/Kg)	0.42			
	Phenol (mg/Kg)	58			
	Chloride (mg/Kg)	39000			
	Sulfide (mg/Kg)	14			
	BTU /lb	11000			
	Flashpoint (°F)	106			
	Oil and Grease (mg/Kg)	540000			
	pH	6.9			
	% Total Solids	43			
	% ASH	2.6			
	Viscosity (CPS)	37			
	Specific Gravity	0.8948			
	Solubility				
	IN WATER	SS			
	IN FREON	S			
	IN METHANOL	SS			
	IN METHYLENE CHLORIDE	S			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

FORM IA

INORGANIC ANALYSIS DATA SHEET
EP TOX METALS

Lab Name: ARDL, Inc. IEPA Sample No. 6907-FO-4

Matrix (soil/water): WASTE Lab Sample ID: 200096-3

Level (low/med): Date Received: 6/15/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7440-38-2	Arsenic (EP)	44		F	N,S
7440-39-3	Barium (EP)	900		P	N,S*
7440-43-9	Cadmium (EP)	200		P	N,S
7440-47-3	Chromium (EP)	676		F	S
7439-92-1	Lead (EP)	26000		P	S*
7439-97-6	Mercury (EP)	0.2	U	CV	S
7782-49-2	Selenium (EP)	5.0	U	BH	S
7440-22-4	Silver (EP)	7.0	U	P	S

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2011

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	1000.	U
74-83-9	Bromomethane	1000.	U
75-01-4	Vinyl Chloride	1000.	U
75-00-3	Chloroethane	1000.	U
75-09-2	Methylene Chloride	2000.	B
67-64-1	Acetone	3200.	B
75-15-0	Carbon Disulfide	500.	U
75-35-4	1,1-Dichloroethene	9400.	
75-34-3	1,1-Dichloroethane	500.	U
540-59-0	1,2-Dichloroethene (total)	24000.	
67-66-3	Chloroform	500.	U
107-02-2	1,2-Dichloroethane	500.	U
78-93-3	2-Butanone	1000.	U
71-55-6	1,1,1-Trichloroethane	500.	U
56-23-5	Carbon Tetrachloride	500.	U
108-05-4	Vinyl Acetate	1000.	U
75-27-4	Bromodichloromethane	500.	U
78-87-5	1,2-Dichloropropane	500.	U
10061-01-5	cis-1,3-Dichloropropene	500.	U
79-01-6	Trichloroethene	210000.	E
124-48-1	Dibromochloromethane	500.	U
79-00-5	1,1,2-Trichloroethane	990.	
71-43-2	Benzene	2200.	
10061-02-6	trans-1,3-Dichloropropene	500.	U
75-25-2	Bromoform	500.	U
108-10-1	4-Methyl-2-pentanone	1000.	U
591-78-6	2-Hexanone	1000.	U
127-18-4	Tetrachloroethene	1500000.	E
79-34-5	1,1,2,2-Tetrachloroethane	500.	U
108-88-3	Toluene	120000.	E
108-90-7	Chlorobenzene	56000.	E
100-41-4	Ethylbenzene	560000.	E
100-42-5	Styrene	500.	U
108-38-3	m-Xylene	4900000.	E
106-42-2	o & p-Xylene	3200000.	E

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FO-4

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3

Sample wt/vol: 4.0 (g/mL) G Lab File ID: XV2011

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/16/89

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	15.46	8500.	
2.	Unknown	16.74	83000.	
3.	Unknown	19.61	45000.	
4. 110543	Hexane	20.42	130000.	
5.	Unknown	20.85	57000.	
6.	Unknown	21.12	130000.	
7.	Unknown	22.17	48000.	
8.	Unknown	23.37	210000.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2023

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: (pack/cap) PACK Dilution Factor: 1000.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	1000000.	U D
74-83-9	Bromomethane	1000000.	U D
75-01-4	Vinyl Chloride	1000000.	U D
75-00-3	Chloroethane	1000000.	U D
75-09-2	Methylene Chloride	1800000.	D
67-64-1	Acetone	1200000.	BD
75-15-0	Carbon Disulfide	500000.	U D
75-35-4	1,1-Dichloroethene	500000.	U D
75-34-3	1,1-Dichloroethane	500000.	U D
540-59-0	1,2-Dichloroethene (total)	1200000.	D
67-66-3	Chloroform	1600000.	D
107-02-2	1,2-Dichloroethane	500000.	U D
78-93-3	2-Butanone	1000000.	U D
71-55-6	1,1,1-Trichloroethane	500000.	U D
56-23-5	Carbon Tetrachloride	500000.	U D
108-05-4	Vinyl Acetate	1000000.	U D
75-27-4	Bromodichloromethane	500000.	U D
78-87-5	1,2-Dichloropropane	500000.	U D
10061-01-5	cis-1,3-Dichloropropene	500000.	U D
79-01-6	Trichloroethene	6800000.	D
124-48-1	Dibromochloromethane	500000.	U D
79-00-5	1,1,2-Trichloroethane	500000.	U D
71-43-2	Benzene	500000.	U D
10061-02-6	trans-1,3-Dichloropropene	500000.	U D
75-25-2	Bromoform	500000.	U D
108-10-1	4-Methyl-2-pentanone	1000000.	U D
591-78-6	2-Hexanone	1000000.	U D
127-18-4	Tetrachloroethene	810000000.	DE
79-34-5	1,1,2,2-Tetrachloroethane	500000.	U D
108-88-3	Toluene	1800000.	D
108-90-7	Chlorobenzene	1200000.	D
100-41-4	Ethylbenzene	2300000.	D
100-42-5	Styrene	500000.	U D
108-38-3	m-Xylene	6100000.	D
106-42-2	o & p-Xylene	3700000.	D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FO-4DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2023

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/20/89

Column: PACK Dilution Factor: 1000.00

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	8.40	780000.	D
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2052

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/23/89

Column: (pack/cap) PACK Dilution Factor: 10000.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	Chloromethane	10000000.	U D
74-83-9	Bromomethane	10000000.	U D
75-01-4	Vinyl Chloride	10000000.	U D
75-00-3	Chloroethane	10000000.	U D
75-09-2	Methylene Chloride	27000000.	BD
67-64-1	Acetone	20000000.	BD
75-15-0	Carbon Disulfide	5000000.	U D
75-35-4	1,1-Dichloroethene	5000000.	U D
75-34-3	1,1-Dichloroethane	5000000.	U D
540-59-0	1,2-Dichloroethene (total)	5000000.	U D
67-66-3	Chloroform	5000000.	U D
107-02-2	1,2-Dichloroethane	5000000.	U D
78-93-3	2-Butanone	10000000.	U D
71-55-6	1,1,1-Trichloroethane	5000000.	U D
56-23-5	Carbon Tetrachloride	5000000.	U D
108-05-4	Vinyl Acetate	10000000.	U D
75-27-4	Bromodichloromethane	5000000.	U D
78-87-5	1,2-Dichloropropane	5000000.	U D
10061-01-5	cis-1,3-Dichloropropene	5000000.	U D
79-01-6	Trichloroethene	5000000.	U D
124-48-1	Dibromochloromethane	5000000.	U D
79-00-5	1,1,2-Trichloroethane	5000000.	U D
71-43-2	Benzene	5000000.	U D
10061-02-6	trans-1,3-Dichloropropene	5000000.	U D
75-25-2	Bromoform	5000000.	U D
108-10-1	4-Methyl-2-pentanone	10000000.	U D
591-78-6	2-Hexanone	10000000.	U D
127-18-4	Tetrachloroethene	150000000.	D
79-34-5	1,1,2,2-Tetrachloroethane	5000000.	U D
108-88-3	Toluene	5000000.	U D
108-90-7	Chlorobenzene	5000000.	U D
100-41-4	Ethylbenzene	5000000.	U D
100-42-5	Styrene	5000000.	U D
108-38-3	m-Xylene	5000000.	U D
106-42-2	o & p-Xylene	5000000.	U D

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FO-4DL2

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL2

Sample wt/vol: 4.0 (g/mL) G Lab File ID: >V2052

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec. --- Date Analyzed: 6/23/89

Column: PACK Dilution Factor: 10000.0

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	9.02	1900000.	D
2.		Unknown	9.80	1400000.	D
3.		Unknown	11.50	1500000.	D
4.		Unknown	11.78	1900000.	D
5.		Unknown	12.09	8300000.	D
6.		Unknown	12.94	2700000.	D
7.		Unknown	13.64	13000000.	D
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1403

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	31000.	J
111-44-4	bis(-2-Chloroethyl)ether	99000.	U
95-57-8	2-Chlorophenol	99000.	U
541-73-1	1,3-Dichlorobenzene	99000.	U
106-46-7	1,4-Dichlorobenzene	99000.	U
100-51-6	Benzyl alcohol	99000.	U
95-50-1	1,2-Dichlorobenzene	99000.	U
95-48-7	2-Methylphenol	99000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	99000.	U
106-44-5	4-Methylphenol	99000.	U
621-64-7	N-Nitroso-Di-n-propylamine	99000.	U
67-72-1	Hexachloroethane	99000.	U
98-95-3	Nitrobenzene	99000.	U
78-59-1	Isophorone	99000.	U
88-75-5	2-Nitrophenol	99000.	U
105-67-9	2,4-Dimethylphenol	99000.	U
65-85-0	Benzoic acid	480000.	U
111-91-1	bis(-2-Chloroethoxy)methane	99000.	U
120-83-2	2,4-Dichlorophenol	99000.	U
120-82-1	1,2,4-Trichlorobenzene	99000.	U
91-20-3	Naphthalene	250000.	
106-47-8	4-Chloroaniline	99000.	U
87-68-3	Hexachlorobutadiene	99000.	U
59-50-7	4-Chloro-3-methylphenol	99000.	U
91-57-6	2-Methylnaphthalene	99000.	U
77-47-4	Hexachlorocyclopentadiene	99000.	U
88-06-2	2,4,6-Trichlorophenol	99000.	U
95-95-4	2,4,5-Trichlorophenol	480000.	U
91-58-7	2-Chloronaphthalene	99000.	U
88-74-4	2-Nitroaniline	480000.	U
131-11-3	Dimethylphthalate	99000.	U
208-96-8	Acenaphthylene	99000.	U
606-20-2	2,6-Dinitrotoluene	99000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1403

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	480000.	U
83-32-9	Acenaphthene	99000.	U
51-28-5	2,4-Dinitrophenol	480000.	U
100-02-7	4-Nitrophenol	480000.	U
132-64-9	Dibenzofuran	99000.	U
121-14-2	2,4-Dinitrotoluene	99000.	U
84-66-2	Diethylphthalate	- 21000.	J
7005-72-3	4-Chlorophenyl-phenylether	99000.	U
86-73-7	Fluorene	99000.	U
100-01-6	4-Nitroaniline	480000.	U
534-52-1	4,6-Dinitro-2-methylphenol	480000.	U
86-30-6	N-Nitrosodiphenylamine (1)	- 32000.	J
101-55-3	4-Bromophenyl-phenylether	99000.	U
118-74-1	Hexachlorobenzene	99000.	U
87-86-5	Pentachlorophenol	480000.	U
85-01-8	Phenanthrene	- 79000.	J
120-12-7	Anthracene	- 15000.	J
84-74-2	Di-n-butylphthalate	- 150000.	
206-44-0	Fluoranthene	- 36000.	J
129-00-0	Pyrene	- 35000.	J
85-68-7	Butylbenzylphthalate	- 210000.	
91-94-1	3,3'-Dichlorobenzidine	200000.	U
56-55-3	Benzo(a)anthracene	99000.	U
218-01-9	Chrysene	99000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	- 5000000.	E
117-84-0	Di-n-Octyl Phthalate	99000.	U
205-99-2	Benzo(b)fluoranthene	99000.	U
207-08-9	Benzo(k)fluoranthene	99000.	U
50-32-8	Benzo(a)pyrene	99000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	99000.	U
53-70-3	Dibenzo(a,h)anthracene	99000.	U
191-24-2	Benzo(g,h,i)perylene	99000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FO-4

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1403

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- 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.	95-47-6	Benzene, 1,2-dimethyl-	4.56	3300000.	
2.	535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	8.67	530000.	
3.	1120-21-4	Undecane	9.17	520000.	
4.		Unknown	10.73	990000.	
5.		Unknown	10.88	420000.	
6.		Unknown alkane	11.11	510000.	
7.		Unknown alkane	12.02	750000.	
8.		Unknown	12.13	520000.	
9.		Unknown alkane	12.42	400000.	
10.		Unknown alkane	12.67	490000.	
11.		Unknown alkane	13.52	960000.	
12.		Unknown	14.16	570000.	
13.		Unknown	14.44	460000.	
14.		Unknown alkane	14.65	1200000.	
15.		Unknown alkane	15.13	480000.	
16.		Unknown alkane	16.94	740000.	
17.		Unknown alkane	17.52	430000.	
18.		Unknown alkane	17.59	1000000.	
19.		Unknown alkane	18.72	460000.	
20.		Unknown	27.63	1500000.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4RE

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3RE

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1406

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	99000.	U
111-44-4	bis(-2-Chloroethyl)ether	99000.	U
95-57-8	2-Chlorophenol	99000.	U
541-73-1	1,3-Dichlorobenzene	99000.	U
106-46-7	1,4-Dichlorobenzene	99000.	U
100-51-6	Benzyl alcohol	99000.	U
95-50-1	1,2-Dichlorobenzene	99000.	U
95-48-7	2-Methylphenol	99000.	U
39638-32-9	bis(-2-chloroisopropyl)ether	99000.	U
106-44-5	4-Methylphenol	99000.	U
621-64-7	N-Nitroso-Di-n-propylamine	99000.	U
67-72-1	Hexachloroethane	99000.	U
98-95-3	Nitrobenzene	99000.	U
78-59-1	Isophorone	99000.	U
88-75-5	2-Nitrophenol	99000.	U
105-67-9	2,4-Dimethylphenol	99000.	U
65-85-0	Benzoic acid	480000.	U
111-91-1	bis(-2-Chloroethoxy)methane	99000.	U
120-83-2	2,4-Dichlorophenol	99000.	U
120-82-1	1,2,4-Trichlorobenzene	99000.	U
91-20-3	Naphthalene	260000.	
106-47-8	4-Chloroaniline	99000.	U
87-68-3	Hexachlorobutadiene	99000.	U
59-50-7	4-Chloro-3-methylphenol	99000.	U
91-57-6	2-Methylnaphthalene	99000.	U
77-47-4	Hexachlorocyclopentadiene	99000.	U
88-06-2	2,4,6-Trichlorophenol	99000.	U
95-95-4	2,4,5-Trichlorophenol	480000.	U
91-58-7	2-Chloronaphthalene	99000.	U
88-74-4	2-Nitroaniline	480000.	U
131-11-3	Dimethylphthalate	99000.	U
208-96-8	Acenaphthylene	99000.	U
606-20-2	2,6-Dinitrotoluene	99000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4RE

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3RE

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1406

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	480000.	U
83-32-9	Acenaphthene	99000.	U
51-28-5	2,4-Dinitrophenol	480000.	U
100-02-7	4-Nitrophenol	480000.	U
132-64-9	Dibenzofuran	99000.	U
121-14-2	2,4-Dinitrotoluene	99000.	U
84-66-2	Diethylphthalate	- 22000.	J
7005-72-3	4-Chlorophenyl-phenylether	99000.	U
86-73-7	Fluorene	99000.	U
100-01-6	4-Nitroaniline	480000.	U
534-52-1	4,6-Dinitro-2-methylphenol	480000.	U
86-30-6	N-Nitrosodiphenylamine (1)	- 35000.	J
101-55-3	4-Bromophenyl-phenylether	99000.	U
118-74-1	Hexachlorobenzene	99000.	U
87-86-5	Pentachlorophenol	480000.	U
85-01-8	Phenanthrene	- 78000.	J
120-12-7	Anthracene	- 16000.	J
84-74-2	Di-n-butylphthalate	- 160000.	
206-44-0	Fluoranthene	- 36000.	J
129-00-0	Pyrene	- 31000.	J
85-68-7	Butylbenzylphthalate	- 220000.	
91-94-1	3,3'-Dichlorobenzidine	200000.	U
56-55-3	Benzo(a)anthracene	99000.	U
218-01-9	Chrysene	99000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	- 4700000.	E
117-84-0	Di-n-Octyl_Phthalate	99000.	U
205-99-2	Benzo(b)fluoranthene	99000.	U
207-08-9	Benzo(k)fluoranthene	99000.	U
50-32-8	Benzo(a)pyrene	99000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	99000.	U
53-70-3	Dibenzo(a,h)anthracene	99000.	U
191-24-2	Benzo(g,h,i)perylene	99000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FO-4RE

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3RE

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1406

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- 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.	95-47-6	Benzene, 1,2-dimethyl-	4.57	3100000.	
2.	535-77-3	Benzene, 1-methyl-3-(1-methylethyl-	8.66	510000.	
3.	1120-21-4	Undecane	9.15	550000.	
4.		Unknown	10.72	1100000.	
5.		Unknown	10.87	430000.	
6.		Unknown alkane	11.10	540000.	
7.		Unknown alkane	12.01	470000.	
8.		Unknown alkane	12.40	430000.	
9.		Unknown	12.67	520000.	
10.		Unknown alkane	13.50	1100000.	
11.		Unknown	14.14	620000.	
12.		Unknown	14.44	470000.	
13.		Unknown alkane	14.64	1300000.	
14.		Unknown	15.12	550000.	
15.		Unknown alkane	16.92	750000.	
16.		Unknown alkane	17.50	430000.	
17.		Unknown alkane	17.58	1000000.	
18.		Unknown	18.71	480000.	
19.		Unknown	21.62	500000.	
20.		Unknown	27.62	1600000.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1408

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	20000000.	U D
111-44-4	bis(-2-Chloroethyl)ether	20000000.	U D
95-57-8	2-Chlorophenol	20000000.	U D
541-73-1	1,3-Dichlorobenzene	20000000.	U D
106-46-7	1,4-Dichlorobenzene	20000000.	U D
100-51-6	Benzyl alcohol	20000000.	U D
95-50-1	1,2-Dichlorobenzene	20000000.	U D
95-48-7	2-Methylphenol	20000000.	U D
39638-32-9	bis(-2-chloroisopropyl)ether	20000000.	U D
106-44-5	4-Methylphenol	20000000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	20000000.	U D
67-72-1	Hexachloroethane	20000000.	U D
98-95-3	Nitrobenzene	20000000.	U D
78-59-1	Isophorone	20000000.	U D
88-75-5	2-Nitrophenol	20000000.	U D
105-67-9	2,4-Dimethylphenol	20000000.	U D
65-85-0	Benzoic acid	96000000.	U D
111-91-1	bis(-2-Chloroethoxy)methane	20000000.	U D
120-83-2	2,4-Dichlorophenol	20000000.	U D
120-82-1	1,2,4-Trichlorobenzene	20000000.	U D
91-20-3	Naphthalene	20000000.	U D
106-47-8	4-Chloroaniline	20000000.	U D
87-68-3	Hexachlorobutadiene	20000000.	U D
59-50-7	4-Chloro-3-methylphenol	20000000.	U D
91-57-6	2-Methylnaphthalene	20000000.	U D
77-47-4	Hexachlorocyclopentadiene	20000000.	U D
88-06-2	2,4,6-Trichlorophenol	20000000.	U D
95-95-4	2,4,5-Trichlorophenol	96000000.	U D
91-58-7	2-Chloronaphthalene	20000000.	U D
88-74-4	2-Nitroaniline	96000000.	U D
131-11-3	Dimethylphthalate	20000000.	U D
208-96-8	Acenaphthylene	20000000.	U D
606-20-2	2,6-Dinitrotoluene	20000000.	U D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-FO-4DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1408

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	96000000.	U D
83-32-9	Acenaphthene	20000000.	U D
51-28-5	2,4-Dinitrophenol	96000000.	U D
100-02-7	4-Nitrophenol	96000000.	U D
132-64-9	Dibenzofuran	20000000.	U D
121-14-2	2,4-Dinitrotoluene	20000000.	U D
84-66-2	Diethylphthalate	20000000.	U D
7005-72-3	4-Chlorophenyl-phenylether	20000000.	U D
86-73-7	Fluorene	20000000.	U D
100-01-6	4-Nitroaniline	96000000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	96000000.	U D
86-30-6	N-Nitrosodiphenylamine (1)	20000000.	U D
101-55-3	4-Bromophenyl-phenylether	20000000.	U D
118-74-1	Hexachlorobenzene	20000000.	U D
87-86-5	Pentachlorophenol	96000000.	U D
85-01-8	Phenanthrene	20000000.	U D
120-12-7	Anthracene	20000000.	U D
84-74-2	Di-n-butylphthalate	20000000.	U D
206-44-0	Fluoranthene	20000000.	U D
129-00-0	Pyrene	20000000.	U D
85-68-7	Butylbenzylphthalate	20000000.	U D
91-94-1	3,3'-Dichlorobenzidine	40000000.	U D
56-55-3	Benzo(a)anthracene	20000000.	U D
218-01-9	Chrysene	20000000.	U D
117-81-7	bis(2-Ethylhexyl)phthalate	7600000.	J D
117-84-0	Di-n-Octyl_Phthalate	20000000.	U D
205-99-2	Benzo(b)fluoranthene	20000000.	U D
207-08-9	Benzo(k)fluoranthene	20000000.	U D
50-32-8	Benzo(a)pyrene	20000000.	U D
193-39-5	Indeno(1,2,3-cd)pyrene	20000000.	U D
53-70-3	Dibenzo(a,h)anthracene	20000000.	U D
191-24-2	Benzo(g,h,i)perylene	20000000.	U D

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

6907-FO-4DL

Lab Name: ARDL, INC. Contract: WATSON

Lab Code: ----- Case No.: 200096 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WASTE Lab Sample ID: 200096-3DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: >D1408

Level: (low/med) MED Date Received: 6/15/89

% Moisture: not dec.--- dec. --- Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) DIL Date Analyzed: 6/23/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 200.000

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	95-47-6	Benzene, 1,2-dimethyl-	4.45	79000000.	D
2.		Unknown alkane	14.61	2600000.	D
3.					
4.					
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6907-F0-4

Lab Name: ARDL, INC Contract: Watson Eagle Park

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

Matrix: (soil/water) Waste Lab Sample ID: 200096-3

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

Level: (low/med) MED Date Received: 06/15/89

% Moisture: not dec. dec. Date Extracted: N/A

Extraction: (Sepf/Cont/Sonc) Dilution Date Analyzed: 07/11/89

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC		
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor epoxide		
959-98-8	Endosulfan I		
60-57-1	Dieldrin		
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1013-07-8	Endosulfan sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor		
53494-70-5	Endrin ketone		
5103-71-9	alpha-Chlordane		
5103-74-2	gamma-Chlordane		
8001-35-2	Toxaphene		
12674-11-2	Arochlor-1016	5000	U
11104-28-2	Arochlor-1221	5000	U
11141-16-5	Arochlor-1232	5000	U
53469-21-9	Arochlor-1242	5000	U
12672-29-6	Arochlor-1248	5000	U
11097-69-1	Arochlor-1254	10000	U
11096-82-5	Arochlor-1260	10000	U