LPC# 2010300031- Winnebago
Rexnord, Inc., Rockford Products Plt. #3
ILD005212097
Superfund/HRS
Volume 1 of 2

EPA Region 5 Records Ctr
393566

CERCLA

Screening Site Inspection Analytical Results

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

Confidential Material May be Enclosed

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

MEMORANDUM

DATE: September 21, 1989

TO: John Morgan

FROM: Ron Turpin & Jim Shaw Ron Turpin Jim Shaw

SUBJECT: Review of Data Package
Winnebago County/Rockford Products Plant #3

The Division of Laboratories Quality Assurance Section has reviewed the above referenced data packages. The packages are for 7 soil samples, 9 water samples and 1 trip blank for Target Compound List (TCL) Organics and Inorganics. The samples were delivered to ARDL, Inc. in two shipments. The samples were received by ARDL, Inc. on August 17 and 18, 1989. The results are valid as qualified on the attached Forms I.

attachments

cc: Karl Reed
Tom Crause
Bob Staber

2010300031 / Winnebago
Rockford Products #3
S.F. Tech. Reports

ARDL Inc.
applied research & development laboratory

CHEMISTRY • BIOLOGY • PHYSIOLOGY
ENGINEERING • ENVIRONMENTAL ANALYSIS

8 September 1989

Ms. Sue Doubet
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

SUBJECT: Data Package Submittal
Facility: Rockford Products Plant #3
ARDL ID: 200103
Site Inventory No.: 2010300031

Dear Ms. Doubet:

Enclosed please find ARDL's final data package for analyses performed on samples delivered to our laboratory on 8/17/89. The data package consists of the following:

1. Letter of Transmittal

2. Tabulated Analytical Results

3. Chain-of-Custody Documentation

4. Data Package - Paginated and submitted in the following order:

   a. Volume 1 - Inorganic Data Package
   b. Volume 2 - Organic Sample Data Summary Package
   c. Volume 3 - Volatiles Analysis Data Package
   d. Volume 4 - Semi-Volatiles Analysis Data Package
   e. Volume 5 - Pesticide/PCB Analysis Data Package

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

Thank you.

Sincerely yours,

Daniel J. Gillespie
Technical Services Manager

RECEIVED
SEP 12 1989
IEPA LABORATORIES
Manager's Office

RECEIVED
SEP 11 1989
IEPA-DLPC

DJG/jm
Enclosures

P.O. Box 1566 • 1801 W. Forest Street • Mt. Vernon, Illinois 62864 • (618) 244-3235
"Test Everything - Keep The Good" *1 Thes. 5:21*

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHAIN OF CUSTODY

I certify that the samples listed below were collected in my presence and that each sample bottle was sealed intact by me and that I wrote my initials and the date on the seal of each bottle.

Site Inventory No. L2010300031 County Winnebago

Federal I.D. No. ILD005212097 Rexnord, Rockford Products Plt #
(Facility Name)

SAMPLING TEAM

Sample No.	Initials	Consisting of the Indicated No. of Bottles	Date Collected	Time Sealed
G201	JM.	14	8-16-89	10:55 AM/PM
G113	JM.	11	8-16-89	12:00 N AM/PM
G108	JM	11	8-16-89	2:00 AM/PM
G101	JM	11	8-16-89	2:30 AM/PM
G105	JM	11	8-16-89	3:30 AM/PM
G104	JM	11	8-16-89	3:55 AM/PM
G102	JM	11	8-16-89	5:00 AM/PM
G103	JM.	11	8-16-89	5:30 AM/PM
				AM/PM
				AM/PM

Sealer's Signature John Morgan Date 8-16-89 Time 5:30 AM/PM

Sampler(s) Timothy J. Murphy Gary Resnik Gregory W. [illegible]

I certify I received the above samples, with each seal on each bottle intact and the sealer's initials written on each sample seal.

CARRIERS

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM

LAB CUSTODIAN

I certify I received the above samples with each seal on each bottle intact, and the sealer's initials written on each sample seal. After recording these samples in the official record book, these same samples will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Signature D. Gillespie Date 8-17-89 Time 0950 A.M. P.M.

Lab Location ARDL (City)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
CHAIN OF CUSTODY

I certify that the samples listed below were collected in my presence and that each sample bottle was sealed intact by me and that I wrote my initials and the date on the seal of each bottle.

Site Inventory No. L2010300031 County Winnebago

Federal I.D. No. ILD005212097 Rexnord, Rockford Products Plt #3
(Facility Name)

SAMPLING TEAM

Sample No.	Initials	Consisting of the Indicated No. of Bottles	Date Collected	Time Sealed
901	JM	11	8-17-89	9:00 AM/PM
X101	JM	4	8-17-89	1:15 AM/PM
X102	JM	4	8-17-89	1:15 AM/PM
X103	JM	4	8-17-89	1:15 AM/PM
X104	JM	4	8-17-89	1:15 AM/PM
X105	JM	4	8-17-89	1:15 AM/PM
X106	JM	4	8-17-89	1:00 AM/PM
X107	JM	4	8-17-89	1:00 AM/PM
				AM/PM
				AM/PM

Sealer's Signature John Morgan Date 8-17-89 Time 1:15 AM/PM

Sampler(s) Gary Reside Gregory W. [illegible] Tim Murphy

CARRIERS

I certify I received the above samples, with each seal on each bottle intact and the sealer's initials written on each sample seal.

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM

LAB CUSTODIAN

I certify I received the above samples with each seal on each bottle intact, and the sealer's initials written on each sample seal. After recording these samples in the official record book, these same samples will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Signature [illegible] Date 8-21-89 Time 0945 A.M. P.M.

Lab Location ARDL (City)

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5327

Date Sealed: 8/15/89 By: AWU

Facility Name: ROCKFORD PRODUCTS PLANT #3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory #: 2010300031
Site Billing Code: SA-06
Project Manager: JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-9	G201	8-16-89	10:45

Sample Appearance: CLEAR

Collector Comments: PRIVATE WELL

Sampler Signature: John Morgan Division/Company RPMS/IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	8	40ml		TRIP BLANK	N	8-16-89	10:45A

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 10:45 Seal #: 0005327 Intact? (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 10:55 Seal #: 0005328

Courier - sample pickup: _____

Courier - sample delivery: _____

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): DONNA Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005328 Intact?: (Y) / N

Lab Name: HRDL Comments: VOA VIALS - AIR bubbles NOT Labeled

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5311

Date Sealed: 8/15/89 By: AWU

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-1	G101	8-16-89	2:15 PM

Sample Appearance : CLEAR with TRACE of SILT

Collector Comments:

Sampler Signature : John Morgan Division/Company CPMS / IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	2:15
2	9	80oz		BNA	N	8-16-89	2:15
2	9	80ml		PEST/PCB	N	8-16-89	2:15
1	3	11	GRN	TOTAL METALS	Y	8-16-89	2:15
1	3	11	BLK	CYANIDE	N	8-16-89	2:15
1	3	11	PUP	SULFIDE	N	8-16-89	2:15
1	3	11		SULFATES	N	8-16-89	2:15
1	12	500ml	GRY	MERCURY	N	8-16-89	2:15

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact.

Opened by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 2:10 PM Seal #: 0005311 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 2:30 Seal #: 0005312

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): DONNA Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005312 Intact?: (Y) / N

Lab Name: HRDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5315

Date Sealed: 8/15/89 By: AWU

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-2	G102	8-16-89	4:35p

Sample Appearance : Clear

Collector Comments:

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	4 35p
2	9	80oz		BNA	N	8-16-87	4 35p
2	9	80ml		PEST/PCB	N	8-16-89	4.35p
1	3	11	GRN	TOTAL METALS	Y	8-16-89	4.35p
1	3	11	BLK	CYANIDE	N	8-16-89	4.35p
1	3	11	PUP	SULFIDE	N	8-16-89	4.35p
1	3	11		SULFATES	N	8-16-89	4.35p
1	12	500ml	GRY	MERCURY	N	8-16-89	

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): Timothy J. Murphy Signature: Timothy J. Murphy

Date: 8-16-89 Time: 4 25p Seal #: 0005315 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 5 00 P Seal #: 0005316

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Dawn Cockrum Signature: Dawn Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005316 Intact?: (Y) / N

Lab Name: ARDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5319

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-3	C-1	8-16-89	5:00

Sample Appearance : CLEAR

Collector Comments:

Sampler Signature : John Morgan Division/Company IEPA/RPMS

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	5:00
2	9	80oz		BNA	N	8-16-89	5:00
2	9	80ml		PEST/PCB	N	8-16-89	5:00
1	3	11	GRN	TOTAL METALS	Y	8-16-89	5:00
1	3	11	BLK	CYANIDE	N	8-16-89	5:00
1	3	11	PUP	SULFIDE	N	8-16-89	5:00
1	3	11		SULFATES	N	8-16-89	5:00
1	12	500ml	GRY	MERCURY	N	8-16-89	5:00

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact.

Opened by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 4:45 Seal #: 0005319 Intact? Y / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 5:30 Seal #: 0005320

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005320 Intact?: Y / N

Lab Name: HRDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5317

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200104-4	G104	8-16-89	3:30p

Sample Appearance : Clear

Collector Comments:

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	3:30p
2	9	80oz		BNA	N	8-16-89	3:30p
2	9	80ml		PEST/PCB	N	8-16-89	3:30p
1	3	11	GRN	TOTAL METALS	Y	8-16-89	3:30p
1	3	11	BLK	CYANIDE	N	8-16-89	3:30p
1	3	11	PUP	SULFIDE	N	8-16-89	3:30p
1	3	11		SULFATES	N	8-16-89	3:30p
1	12	500ml	GRY	MERCURY	N	8-16-89	3:30p

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): Timothy J. Murphy Signature: Timothy J. Murphy

Date: 8-16-89 Time: 3:18p Seal #: 0005317 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): JOHN MORGAN Signature: John Morgan

Date: 8-16-89 Time: 3:55 Seal #: 0005318

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cochrum Signature: Donna Cochrum

Date: 8-17-89 Time: 0950 Seal #: 0005318 Intact?: (Y) / N

Lab Name: HRDL Comments: VOA Vials: 1 Broken

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5321

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-5	G105	8-16-89	3:15

Sample Appearance : CLEAR WITH TRACE of SILT

Collector Comments:

Sampler Signature : John Morgan Division/Company RPMS/IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	3:15
2	9	80oz		BNA	N	8-16-89	3:15
2	9	80ml		PEST/PCB	N	8-16-89	3:15
1	3	11	GRN	TOTAL METALS	Y	8-16-89	3:15
1	3	11	BLK	CYANIDE	N	8-16-89	3:15
1	3	11	PUP	SULFIDE	N	8-16-89	3:15
1	3	11		SULFATES	N	8-16-89	3:15
1	12	500ml	GRY	MERCURY	N	8-16-89	3:15

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): JOHN MORGAN Signature: John Morgan

Date: 8-16-89 Time: 2:55 Seal #: 0005321 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 3:30 Seal #: 0005322

Courier - sample pickup:

Courier -- sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005322 Intact?: (Y) / N

Lab Name: ARDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5299

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-6	G108	8-16-89	1:50

Sample Appearance : Semi-clear

Collector Comments:

Sampler Signature : John Morgan Division/Company RPMS/IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	1:50
2	9	80oz		BNA	N	8-16-89	1:50
2	9	80ml		PEST/PCB	N	8-16-89	1:50
1	3	11	GRN	TOTAL METALS	Y	8-16-89	1:50
1	3	11	BLK	CYANIDE	N	8-16-89	1:50
1	3	11	PUP	SULFIDE	N	8-16-89	1:50
1	3	11		SULFATES	N	8-16-89	1:50
1	12	500ml	GRY	MERCURY	N	8-16-89	1:50

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 1:30 Seal #: 0005299 Intact? (Y) N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 2:00 PM Seal #: 0005300

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005300 Intact?: (Y) N

Lab Name: HLDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5323

Date Sealed: 8/15/89 By AWW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-7	G113	8-16-89	12:00 NOON

Sample Appearance : CLEAR

Collector Comments: Production Well AT R.P.3

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	8-16-89	12:00
2	9	80oz		BNA	N	8-16-89	12:00
2	9	80ml		PEST/PCB	N	8-16-89	12:00
1	3	11	GRN	TOTAL METALS	N	8-16-89	12:00
1	3	11	BLK	CYANIDE	N	8-16-89	12:00
1	3	11	PUP	SULFIDE	N	8-16-89	12:00
1	3	11		SULFATES	N	8-16-89	12:00
1	12	500ml	GRY	MERCURY	N	8-16-89	12:00

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 11:45 Seal #: 0005323 Intact? (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 12:00 (NOON) Seal #: 0005324

Courier - sample pickup: _____

Courier - sample delivery: _____

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005324 Intact?: (Y) N

Lab Name: HRDL Comments: VOA Vials - Air bubbles

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5327

Date Sealed: 8/15/89 By: AWV

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200103-8	G201	8-16-89	10:45

Sample Appearance: CLEAR

Collector Comments: Private Well for Mobile Home Park

Sampler Signature: John Morgan Division/Company RPMS/IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
5	8	40ml		VOA - DRINKING WATER	N	8-16-89	10:45A
2	9	80oz		BNA	N	8-16-89	10:45A
2	9	80ml		PEST/PCB	N	8-16-89	10:45A
1	3	11	GRN	TOTAL METALS	N	8-16-89	10:45A
1	3	11	BLK	CYANIDE	N	8-16-89	10:45A
1	3	11	PUP	SULFIDE	N	8-16-89	10:45A
1	3	11		SULFATES	N	8-16-89	10:45A
1	12	500ml	GRY	MERCURY	N	8-16-89	10:45A

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 10:45A Seal #: 0005327 Intact? (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-16-89 Time: 10:55A Seal #: 0005328

Courier - sample pickup: _____

Courier - sample delivery: _____

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-17-89 Time: 0950 Seal #: 0005328 Intact?: (Y) / N

Lab Name: HCDL Comments: VOA vials - 2 have air bubble 1 Broken

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5313

Date Sealed: 8/15/89 By: AWu

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-1	S101	8-17-89	8:35

Sample Aopearance : CLEAR

Collector Comments: WATER FROM SEEPAGE PIT, HEAD SPAC GAS DETECTE

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	8-17-89	8:35
2	9	80oz		BNA	N	8-17-89	8:35
2	9	80ml		PEST/PCB	N	8-17-89	8:35
1	3	11	GRN	TOTAL METALS	N	8-17-89	8:35
1	3	11	BLK	CYANIDE	N	8-17-89	8:35
1	3	11	PUP	SULFIDE	N	8-17-89	8:35
1	3	11		SULFATES	N	8-17-89	8:35
1	12	500ml	GRY	MERCURY	N	8-17-89	8:35
					N	8-17-89	

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): Timothy J. Murphy Signature: Timothy J Murphy

Date: 8-17-89 Time: 8:15AM Seal #: 0005313 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): JOHN MORGAN Signature: John Morgan

Date: 8-17-89 Time: 9:00A Seal #: 0005314

Courier - sample pickup: _____

Courier - sample delivery: _____

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): DONNA Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5314 Intact?: Y / N

Lab Name: HRDL Comments: CN- preservative vile still BNA-80z - broken Attach FEUH Air bubbles - VOA vials

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5293

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-2	X101	8-17-89	9:00

Sample Appearance :

Collector Comments: sediment from seepage pit

Sampler Signature : John Morgan Division/Company IEPA/RPMS

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	10	2oz		VOA	N	8-17-89	9:00
1	5	32oz		BNA, PEST/PCB	N	8-17-89	9:00
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	9:00
				SULFIDE, SULFATE	N	8-17-89	9:00
				MERCURY	N	8-17-89	9:00

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 8:45 Seal #: 0005293 Intact? Y / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 1:15 PM Seal #: 0005294

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5294 Intact?: Y / N

Lab Name: HRDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5293

Date Sealed: 8/15/89 By: AWU

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-3	X102	8-17-89	9:4

Sample Appearance : CLEAR

Collector Comments: Sediment samples, AT STREAM intersection OF Seepage PL

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	10	2oz		VOA	N	8-17-89	10:45
1	5	32oz		BNA, PEST/PCB	N	8-17-89	10:45
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	10:45
				SULFIDE, SULFATE	N	8-17-89	10:45
				MERCURY	N	8-17-89	10:45

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact.

Opened by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 8:45 Seal #: 00052~~09~~ 93 DM Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 1:15 PM Seal #: 00052~~03~~ 94 DM.

Courier - sample pickup: _____

Courier - sample delivery: _____

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5294 Intact?: Y / N

Lab Name: MRDL Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5293

Date Sealed: 8/15/89 By: AWI

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
300107-4	X103	8-17-89	11:00

Sample Appearance :

Collector Comments: subsurface soil

Sampler Signature : John Morgan Division/Company IEPA/RPMS

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	10	2oz		VOA	N	8-17-89	11 00
1	5	32oz		BNA, PEST/PCB	N	8-17-89	11 00
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	11 00
				SULFIDE, SULFATE	N	8-17-89	11.00
				MERCURY			

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 8:45 A Seal #: ~~0005294~~ 0005293 Intact? (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 1:15PM Seal #: 0005294

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5294 Intact?: Y / N

Lab Name: ARDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5293

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-5	X104	8-17-89	11:30

Sample Appearance :

Collector Comments: subsurface soils

Sampler Signature : John Morgan Division/Company IEPA/RPMS

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	10	2oz		VOA	N	8-17-89	11:30
1	5	32oz		BNA, PEST/PCB	N	8-17-89	11:30
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	11:30
				SULFIDE, SULFATE	N	8-17-89	11:30
				MERCURY	N	8-17-89	11:30

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact.

Opened by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 8:45 A Seal #: CC05293 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 1:15 Seal #: 0005294

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5294 Intact?: Y / N

Lab Name: ARDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5293

Date Sealed: 8/15/89 By: AW

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-6	X105	8-17-89	11:15

Sample Appearance :

Collector Comments: ~~topes~~ composite sample, roll-off boxes, cyanide sludge A

Sampler Signature : John Morgan Division/Company IEPA /RPMS

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	10	2oz		VOA	N	8-17-89	11:15
1	5	32oz		BNA, PEST/PCB	N	8-17-89	11:15
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	11:15
				SULFIDE, SULFATE	N	8-17-89	11:15
				MERCURY	N	8-17-89	11:15

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 8:45 Seal #: 0005293 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 11:15 Seal #: 0005294

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5294 Intact?: Y / N

Lab Name: HRDL Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5295

Date Sealed: 8/15/89 By: AWC

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-1	X 106	8-~~16~~ 17-89 TJM	12:20p

Sample Appearance : BLACK, oily scum

Collector Comments: open ditch outside property, 1,1,1-TCA

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	10	2oz		VOA	N	8-17-89	12:20p
1	5	32oz		BNA, PEST/PCB	N	8-17-89	12:20p
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	12:20p
				SULFIDE, SULFATE	N	8-17-89	12:20p
				MERCURY	N	8-17-89	12:20p

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): Tim Murphy Signature: Timothy J Murphy

Date: 8-17-89 Time: 12:05p Seal #: 0005295 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below.

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: ~~12:05p~~ TJM 1:00p Seal #: 0005296

Courier - sample pickup: _____

Courier - sample delivery: _____

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cockrum Signature: Donna Cockrum

Date: 8-21-89 Time: 0945 Seal #: 5296 Intact?: Y / N

Lab Name: HRDL Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 5295

Date Sealed: 8/15/89 By: A.W

Facility
Name : ROCKFORD PRODUCTS PLANT#3
Region: ROCKFORD
County: WINNEBAGO

Site Inventory # : 2010300031
Site Billing Code: SA-06
Project Manager : JOHN MORGAN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200107-8	X107	8-17-89	12:40p

Sample Appearance :

Collector Comments: BACKGROUND 0-1.5 feet deep

Sampler Signature : John Morgan Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	10	2oz		VOA	N	8/7-89	12:40p
1	5	32oz		BNA, PEST/PCB	N	8-17-89	12:40p
1	5	32oz		TOTAL METALS, CYANIDE	N	8-17-89	12:40p
				SULFIDE, SULFATE	N	8-17-89	12:40p
				MERCURY	N	8-17-89	12:40p

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container sealed and intact

Opened by (print): Tim Murphy Signature: Timothy J. Murphy

Date: 8-17-89 Time: 12:05p Seal #: 0005295 Intact?: (Y) / N

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in the sample shipping container and that I sealed the sample shipping container at the date and time listed below

Sealed by (print): John Morgan Signature: John Morgan

Date: 8-17-89 Time: 1:00P Seal #: 0005296

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact and that each bottle in the shipping container was intact. After recording the sample in the official record book, the sample will be in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Donna Cackrum Signature: Donna Cackrum

Date: 8-21-89 Time: 0945 Seal #: 5296 Intact?: Y / N

Lab Name: ARDL Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-9

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2697

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-9

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2697

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. G101

Matrix (soil/water) Water Lab Sample ID: 200103-1

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	670		P	E
7440-36-0	Antimony	50	U	P	
7440-38-2	Arsenic	5.0	U	BH	
7440-39-3	Barium	100	U	P	
7440-41-7	Beryllium	13		P	
7440-43-9	Cadmium	20		P	N, * J
7440-70-2	Calcium	76,000		P	J
7440-47-3	Chromium	46	U	P	
7440-48-4	Cobalt	30	U	P	
7440-50-8	Copper	43		P	
7439-89-6	Iron	790		P	
7439-92-1	Lead	5.1		F	N * J
7439-95-4	Magnesium	31,000		P	J
7439-96-5	Manganese	33		P	
7439-97-6	Mercury	0.20	U	CV	N J
7440-02-0	Nickel	73		P	E
7440-09-7	Potassium	1400		P	
7782-49-2	Selenium	5.0	U	BH	
7440-22-4	Silver	25		P	N J
7440-23-5	Sodium	9000		P	
7440-28-0	Thallium	~~3.0~~ 10	U	F	
7440-62-2	Vanadium	20	U	P	
7440-66-6	Zinc	40		P	

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.: G101

Matrix (soil/water): Water Lab Sample ID: 200103-1

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	36,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-1

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2677

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	12.	
540-59-0	1,2-Dichloroethene (total)	7.	
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	~~UR~~U
71-55-6	1,1,1-Trichloroethane	11.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	~~UR~~U
10061-01-5	cis-1,3-Dichloropropene	5.	~~UR~~U
79-01-6	Trichloroethene	5.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	~~UR~~U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	~~UR~~U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-1

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2677

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	32.06	3.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-1

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1601

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-1

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1601

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	J
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

b Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-1

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1601

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.02	2.	
2.	Unknown	5.19	.9	
3.	Unknown	6.26	8.	
4.	Unknown	6.31	2.	
5.	Unknown	6.50	2.	
6.	Unknown	6.55	1.	
7.	Unknown	6.67	.9	
8.	Unknown alkane	6.95	4.	
9.	Unknown	8.70	6.	
10.	Unknown	17.28	2.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G101

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-1

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-23-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	u
319-85-7	beta-BHC	0.056	u
319-86-8	delta-BHC	0.056	u
58-89-9	gamma-BHC (Lindane)	0.056	u
76-44-8	Heptachlor	0.056	u
309-00-2	Aldrin	0.056	u
1024-57-3	Heptachlor epoxide	0.056	u
959-98-8	Endosulfan I	0.056	u
60-57-1	Dieldrin	0.11	u
72-55-9	4,4'-DDE	0.11	u
72-20-8	Endrin	0.11	u
33213-65-9	Endosulfan II	0.11	u
72-54-8	4,4'-DDD	0.11	u
1031-07-8	Endosulfan sulfate	0.11	u
50-29-3	4,4'-DDT	0.11	u
72-43-5	Methoxychlor	0.56	u
53494-70-5	Endrin ketone	0.11	u
5103-71-9	alpha-Chlordane	0.56	u
5103-74-2	gamma-Chlordane	0.56	u
8001-35-2	Toxaphene	1.1	u
12674-11-2	Aroclor-1016	0.56	u
11104-28-2	Aroclor-1221	0.56	u
11141-16-5	Aroclor-1232	0.56	u
53469-21-9	Aroclor-1242	0.56	u
12672-29-6	Aroclor-1248	0.56	u
11097-69-1	Aroclor-1254	1.1	u
11096-82-5	Aroclor-1260	1.1	u

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. G102

Matrix (soil/water): Water Lab Sample ID: 200103-2

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	150	u	P	E
7440-36-0	Antimony	52	U	P	
7440-38-2	Arsenic	5.0	u	BH	
7440-39-3	Barium	100	u	P	
7440-41-7	Beryllium	3		P	
7440-43-9	Cadmium	5	u	P	N, * J
7440-70-2	Calcium	87,000		P	J
7440-47-3	Chromium	24	U	P	
7440-48-4	Cobalt	30	u	P	
7440-50-8	Copper	20		P	
7439-89-6	Iron	80		P	
7439-92-1	Lead	2.0		F	N, * J
7439-95-4	Magnesium	32,000		P	J
7439-96-5	Manganese	14		P	
7439-97-6	Mercury	0.20	u	CV	N J
7440-02-0	Nickel	30	u	P	E
7440-09-7	Potassium	3500		P	
7782-49-2	Selenium	5.0	u	BH	
7440-22-4	Silver	11		P	N J
7440-23-5	Sodium	12,000		P	
7440-28-0	Thallium	~~30~~ 10.	u	F	
7440-62-2	Vanadium	20	u	P	
7440-66-6	Zinc	20	u	P	

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.: G102

Matrix (soil/water): Water Lab Sample ID: 200103-2

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	60,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-2

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2678

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	25.	J
67-64-1	Acetone	69.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UKU
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	UKU
10061-01-5	cis-1,3-Dichloropropene	5.	UKU
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	UKU
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UKU
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

ıb Name:ARDL, INC. Contract:ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-2

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2678

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.76	7.	
2.		Unknown	32.09	3.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-2

Sample wt/vol: 800.0 (g/mL) mL Lab File ID: >D1602

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	12.	U
111-44-4	bis(-2-Chloroethyl)Ether	12.	U
95-57-8	2-Chlorophenol	12.	U
541-73-1	1,3-Dichlorobenzene	12.	U
106-46-7	1,4-Dichlorobenzene	12.	U
100-51-6	Benzyl alcohol	12.	U
95-50-1	1,2-Dichlorobenzene	12.	U
95-48-7	2-Methylphenol	12.	U
39638-32-9	bis(2-chloroisopropyl)ether	12.	U
106-44-5	4-Methylphenol	12.	U
621-64-7	N-Nitroso-Di-n-propylamine	12.	U
67-72-1	Hexachloroethane	12.	U
98-95-3	Nitrobenzene	12.	U
78-59-1	Isophorone	12.	U
88-75-5	2-Nitrophenol	12.	U
105-67-9	2,4-Dimethylphenol	12	U
65-85-0	Benzoic acid	62.	U
111-91-1	bis(-2-Chloroethoxy)Methane	12	U
120-83-2	2,4-Dichlorophenol	12.	U
120-82-1	1,2,4-Trichlorobenzene	12.	U
91-20-3	Naphthalene	12.	U
106-47-8	4-Chloroaniline	12.	U
87-68-3	Hexachlorobutadiene	12.	U
59-50-7	4-Chloro-3-methylphenol	12.	U
91-57-6	2-Methylnaphthalene	12.	U
77-47-4	Hexachlorocyclopentadiene	12.	U
88-06-2	2,4,6-Trichlorophenol	12.	U
95-95-4	2,4,5-Trichlorophenol	62	U
91-58-7	2-Chloronaphthalene	12.	U
88-74-4	2-Nitroaniline	62.	U
131-11-3	Dimethyl Phthalate	12.	U
208-96-8	Acenaphthylene	12.	U
606-20-2	2,6-Dinitrotoluene	12.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-2

Sample wt/vol: 800.0 (g/mL) mL Lab File ID: >D1602

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	62.	U
83-32-9	Acenaphthene	12.	U
51-28-5	2,4-Dinitrophenol	62.	U
100-02-7	4-Nitrophenol	62.	U
132-64-9	Dibenzofuran	12.	U
121-14-2	2,4-Dinitrotoluene	12.	U
84-66-2	Diethylphthalate	12.	U
7005-72-3	4-Chlorophenyl-phenylether	12.	U
86-73-7	Fluorene	12.	U
100-01-6	4-Nitroaniline	62.	U
534-52-1	4,6-Dinitro-2-methylphenol	62.	U
86-30-6	N-Nitrosodiphenylamine (1)	12.	U
101-55-3	4-Bromophenyl-phenylether	12.	U
118-74-1	Hexachlorobenzene	12.	U
87-86-5	Pentachlorophenol	62.	U
85-01-8	Phenanthrene	12.	U
120-12-7	Anthracene	12.	U
84-74-2	Di-n-butylphthalate	12.	U
206-44-0	Fluoranthene	12.	U
129-00-0	Pyrene	12.	U
85-68-7	Butylbenzylphthalate	12.	U
91-94-1	3,3'-Dichlorobenzidine	25.	U
56-55-3	Benzo(a)anthracene	12.	U
218-01-9	Chrysene	12.	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.	J
117-84-0	Di-n-Octyl_Phthalate	12.	U
205-99-2	Benzo(b)fluoranthene	12.	U
207-08-9	Benzo(k)fluoranthene	12.	U
50-32-8	Benzo(a)pyrene	12.	U
193-39-5	Indeno(1,2,3-cd)pyrene	12.	U
53-70-3	Dibenzo(a,h)Anthracene	12.	U
191-24-2	Benzo(g,h,i)perylene	12.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-2

Sample wt/vol: 800.0 (g/mL) mL Lab File ID: >D1602

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.99	2.	
2.	Unknown	6.24	7.	
3.	Unknown	6.29	2.	
4.	Unknown	6.48	2.	
5.	Unknown	6.53	1.	
6.	Unknown	6.65	1.	
7.	Unknown alkane	6.94	4.	
8. 96-76-4	Phenol,2,4-bis(1,1,-dimethyl ethyl)-	16.21	2.	
9.	Unknown	17.28	3.	
10.	Unknown	22.30	11.	
11.	Unknown	28.74	6.	
12.				
13.				
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29.				

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G102

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-2

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-23-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	u
319-85-7	beta-BHC	0.056	u
319-86-8	delta-BHC	0.056	u
58-89-9	gamma-BHC (Lindane)	0.056	u
76-44-8	Heptachlor	0.056	u
309-00-2	Aldrin	0.056	u
1024-57-3	Heptachlor epoxide	0.056	u
959-98-8	Endosulfan I	0.056	u
60-57-1	Dieldrin	0.11	u
72-55-9	4,4'-DDE	0.11	u
72-20-8	Endrin	0.11	u
33213-65-9	Endosulfan II	0.11	u
72-54-8	4,4'-DDD	0.11	u
1031-07-8	Endosulfan sulfate	0.11	u
50-29-3	4,4'-DDT	0.11	u
72-43-5	Methoxychlor	0.56	u
53494-70-5	Endrin ketone	0.11	u
5103-71-9	alpha-Chlordane	0.56	u
5103-74-2	gamma-Chlordane	0.56	u
8001-35-2	Toxaphene	1.1	u
12674-11-2	Aroclor-1016	0.56	u
11104-28-2	Aroclor-1221	0.56	u
11141-16-5	Aroclor-1232	0.56	u
53469-21-9	Aroclor-1242	0.56	u
12672-29-6	Aroclor-1248	0.56	u
11097-69-1	Aroclor-1254	1.1	u
11096-82-5	Aroclor-1260	1.1	u

FORM 1A

INORGANIC AN' YSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. G103

Matrix (soil/water) Water Lab Sample ID: 200103-3

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q	
7429-90-5	Aluminum	150	u	P	E	
7440-36-0	Antimony	54	U	P		
7440-38-2	Arsenic	5.0	u	BH		
7440-39-3	Barium	100	u	P		
7440-41-7	Beryllium	2		P		
7440-43-9	Cadmium	5	u	P	N, *	J
7440-70-2	Calcium	58,000		P		J
7440-47-3	Chromium	16	U	P		
7440-48-4	Cobalt	30	u	P		
7440-50-8	Copper	20	u	P		
7439-89-6	Iron	60	u	P		
7439-92-1	Lead	1.0		F	N, *	J
7439-95-4	Magnesium	26,000		P		J
7439-96-5	Manganese	10	u	P		
7439-97-6	Mercury	0.20	u	CV	N	J
7440-02-0	Nickel	30	u	P	E	
7440-09-7	Potassium	1500		P		
7782-49-2	Selenium	5.0	u	BH		
7440-22-4	Silver	10	u	P	N	J
7440-23-5	Sodium	8300		P		
7440-28-0	Thallium	~~3.0~~ 10	u	F		
7440-62-2	Vanadium	20	u	P		
7440-66-6	Zinc	20	u	P		

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.: G103

Matrix (soil/water): Water Lab Sample ID: 200103-3

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	27,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-3

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2679

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	J
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	7.	
75-34-3	1,1-Dichloroethane	9.	
540-59-0	1,2-Dichloroethene (total)	8.	
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	~~UR~~U
71-55-6	1,1,1-Trichloroethane	14.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	~~UR~~U
10061-01-5	cis-1,3-Dichloropropene	5.	~~UR~~U
79-01-6	Trichloroethene	8.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	~~UR~~U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	~~UR~~U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	2.	J
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-3

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2679

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.77	12.	
2.		Unknown	31.87	5.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-3

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1605

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-3

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1605

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	J
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-3

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1605

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.03	2.	
2.	Unknown	6.26	7.	
3.	Unknown	6.31	1.	
4.	Unknown	6.51	2.	
5.	Unknown alkane	6.96	4.	
6.	Unknown	8.71	1.	
7.	Unknown	17.29	2.	
8.	Unknown	22.29	9.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-3

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-23-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	U
319-85-7	beta-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. G104

Matrix (soil/water) Water Lab Sample ID: 200103-4

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q	
7429-90-5	Aluminum	150	u	P	E	
7440-36-0	Antimony	50	u	P		
7440-38-2	Arsenic	5.0	u	BH		
7440-39-3	Barium	100	u	P		
7440-41-7	Beryllium	2		P		
7440-43-9	Cadmium	5	u	P	N,*	J
7440-70-2	Calcium	110,000		P		J
7440-47-3	Chromium	23	U	P		
7440-48-4	Cobalt	30	u	P		
7440-50-8	Copper	20	u	P		
7439-89-6	Iron	60	u	P		
7439-92-1	Lead	1.8		F	N, *	J
7439-95-4	Magnesium	35000		P		J
7439-96-5	Manganese	10	u	P		
7439-97-6	Mercury	0.20	u	CV	N	J
7440-02-0	Nickel	37		P	E	
7440-09-7	Potassium	2100		P		
7782-49-2	Selenium	5.9		BH		
7440-22-4	Silver	10		P	N	J
7440-23-5	Sodium	17000		P		
7440-28-0	Thallium	~~30~~ 10	u	F		
7440-62-2	Vanadium	20	u	P		
7440-66-6	Zinc	20	u	P		

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.: G104

Matrix (soil/water): Water Lab Sample ID: 200103-4

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	4		J
	Phenol				
	Sulfate	53,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

ıb Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-4

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2693

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	11.	UB
67-64-1	Acetone	48.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	8.	
540-59-0	1,2-Dichloroethene (total)	6.	
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	15.	UB
71-55-6	1,1,1-Trichloroethane	10.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	URU
10061-01-5	cis-1,3-Dichloropropene	5.	URU
79-01-6	Trichloroethene	5.	J
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	URU
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	URU
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	URU
106-42-3	o & p-Xylene	5.	URU

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-4

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2693

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	28.30	3.	
2.	Unknown	31.83	5.	
3.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-4

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1606

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-4

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1606

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	J
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-4

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1606

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.97	2.	
2.	Unknown	6.23	8.	
3.	Unknown	6.28	2.	
4.	Unknown	6.48	2.	
5.	Unknown	6.52	1.	
6.	Unknown alkane	6.93	5.	
7.	Unknown	8.68	1.	
8. 122-34-9	1,3,5-Triazine-2,4-diamine, 6-chloro-N,N'-diethyl-	18.99	2.	
9.	Unknown	22.29	3.	
10.				
11.				
12.				
13.				
14.				
15.				
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29.				
30.				

FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NI

G104

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-4

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-23-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	u
319-85-7	beta-BHC	0.056	u
319-86-8	delta-BHC	0.056	u
58-89-9	gamma-BHC (Lindane)	0.056	u
76-44-8	Heptachlor	0.056	u
309-00-2	Aldrin	0.056	u
1024-57-3	Heptachlor epoxide	0.056	u
959-98-8	Endosulfan I	0.056	u
60-57-1	Dieldrin	0.11	u
72-55-9	4,4'-DDE	0.11	u
72-20-8	Endrin	0.11	u
33213-65-9	Endosulfan II	0.11	u
72-54-8	4,4'-DDD	0.11	u
1031-07-8	Endosulfan sulfate	0.11	u
50-29-3	4,4'-DDT	0.11	u
72-43-5	Methoxychlor	0.56	u
53494-70-5	Endrin ketone	0.11	u
5103-71-9	alpha-Chlordane	0.56	u
5103-74-2	gamma-Chlordane	0.56	u
8001-35-2	Toxaphene	1.1	u
12674-11-2	Aroclor-1016	0.56	u
11104-28-2	Aroclor-1221	0.56	u
11141-16-5	Aroclor-1232	0.56	u
53469-21-9	Aroclor-1242	0.56	u
12672-29-6	Aroclor-1248	0.56	u
11097-69-1	Aroclor-1254	1.1	u
11096-82-5	Aroclor-1260	1.1	u

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. G105

Matrix (soil/water) Water Lab Sample ID: 200103-5

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	150	u	P	E
7440-36-0	Antimony	50	u	P	
7440-38-2	Arsenic	5.0	u	BH	
7440-39-3	Barium	100	u	P	
7440-41-7	Beryllium	2	u	P	
7440-43-9	Cadmium	5	u	P	N, ~~x~~ J
7440-70-2	Calcium	70,000		P	J
7440-47-3	Chromium	16	U	P	
7440-48-4	Cobalt	30	u	P	
7440-50-8	Copper	20	u	P	
7439-89-6	Iron	60	u	P	
7439-92-1	Lead	1.6		F	N, ~~x~~ J
7439-95-4	Magnesium	23000		P	J
7439-96-5	Manganese	10	u	P	
7439-97-6	Mercury	0.20	u	CV	N J
7440-02-0	Nickel	30	u	P	E
7440-09-7	Potassium	930		P	
7782-49-2	Selenium	5.0	u	BH	
7440-22-4	Silver	10	u	P	N J
7440-23-5	Sodium	7200		P	
7440-28-0	Thallium	~~30~~ 10	u	F	
7440-62-2	Vanadium	20	u	P	
7440-66-6	Zinc	20	u	P	

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.: G 105

Matrix (soil/water): Water Lab Sample ID: 200103-5

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	14,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-5

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2683

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	22.	J
67-64-1	Acetone	70.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	~~UR~~U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	~~UR~~U
10061-01-5	cis-1,3-Dichloropropene	5.	~~UR~~U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	~~UR~~U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	~~UR~~U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-5

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2683

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/23/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	13.75	11.	
2.					
3.					
4.					
5.					
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7.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-5

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1607

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-5

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1607

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	11.	U
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-5

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1607

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 15

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown alkane	5.01	2.	
2.		Unknown	5.18	.6	
3.		Unknown	5.70	.7	
4.		Unknown	5.89	.7	
5.		Unknown	6.25	7.	
6.		Unknown	6.31	1.	
7.		Unknown	6.50	2.	
8.		Unknown	6.55	1.	
9.		Unknown	6.67	.9	
10.		Unknown	6.75	.8	
11.		Unknown	6.95	4.	
12.		Unknown	8.71	1.	
13.	96-76-4	Phenol, 2,4-bis(1,1-dimethyl ethyl)-	16.22	.7	
14.		Unknown	17.29	1.	
15.		Unknown	22.30	2.	
16.					
17.					
18.					
19.					
20.					
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29.					

FORM I PEST 1/87 R

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G105

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-5

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	U
319-85-7	beta-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. G108

Matrix (soil/water): water Lab Sample ID: 200103-6

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q	
7429-90-5	Aluminum	850		P	E	
7440-36-0	Antimony	51	U	P		
7440-38-2	Arsenic	5.0	u	BH		
7440-39-3	Barium	100	u	P		
7440-41-7	Beryllium	2	u	P		
7440-43-9	Cadmium	5	u	P	N,*	
7440-70-2	Calcium	63000		P		
7440-47-3	Chromium	710		P		
7440-48-4	Cobalt	30	u	P		
7440-50-8	Copper	20	u	P		
7439-89-6	Iron	1900		P		
7439-92-1	Lead	5.9		F	N *	J
7439-95-4	Magnesium	24000		P		J
7439-96-5	Manganese	98		P		
7439-97-6	Mercury	0.20	u	CV	N	J
7440-02-0	Nickel	110		P	E	J
7440-09-7	Potassium	2300		P		
7782-49-2	Selenium	5.0	u	BH		
7440-22-4	Silver	10	u	P	N	J
7440-23-5	Sodium	7400		P		
7440-28-0	Thallium	~~3.0~~ 10	u	F		
7440-62-2	Vanadium	20	u	P		
7440-66-6	Zinc	20	u	P		

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.: G108

Matrix (soil/water): Water Lab Sample ID: 200103-6

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	20,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-6

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2694

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	26.	UB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UKU
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	UKU
10061-01-5	cis-1,3-Dichloropropene	5.	UKU
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	UKU
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UKU
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	UKU
106-42-3	o & p-Xylene	5.	UKU

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G108

b Name:ARDL, INC. Contract:ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-6

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2694

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	8.85	6.	
2.				
3.				
4.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-6

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1613

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-6

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1613

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	11.	U
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G108

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-6

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1613

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.02	2.	
2.	Unknown	5.19	.9	
3.	Unknown	5.70	.7	
4.	Unknown	5.89	.8	
5.	Unknown	6.26	7.	
6.	Unknown	6.31	2.	
7.	Unknown	6.51	2.	
8.	Unknown	6.55	1.	
9.	Unknown	6.67	.9	
10.	Unknown	6.75	.8	
11.	Unknown alkane	6.95	4.	
12.	Unknown	8.71	2.	
13.	Unknown	17.28	1.	
14.	Unknown	19.02	4.	
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FORM I PEST 1/87 R

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G108

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-6

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	u
319-85-7	beta-BHC	0.056	u
319-86-8	delta-BHC	0.056	u
58-89-9	gamma-BHC (Lindane)	0.056	u
76-44-8	Heptachlor	0.056	u
309-00-2	Aldrin	0.056	u
1024-57-3	Heptachlor epoxide	0.056	u
959-98-8	Endosulfan I	0.056	u
60-57-1	Dieldrin	0.11	u
72-55-9	4,4'-DDE	0.11	u
72-20-8	Endrin	0.11	u
33213-65-9	Endosulfan II	0.11	u
72-54-8	4,4'-DDD	0.11	u
1031-07-8	Endosulfan sulfate	0.11	u
50-29-3	4,4'-DDT	0.11	u
72-43-5	Methoxychlor	0.56	u
53494-70-5	Endrin ketone	0.11	u
5103-71-9	alpha-Chlordane	0.56	u
5103-74-2	gamma-Chlordane	0.56	u
8001-35-2	Toxaphene	1.1	u
12674-11-2	Aroclor-1016	0.56	u
11104-28-2	Aroclor-1221	0.56	u
11141-16-5	Aroclor-1232	0.56	u
53469-21-9	Aroclor-1242	0.56	u
12672-29-6	Aroclor-1248	0.56	u
11097-69-1	Aroclor-1254	1.1	u
11096-82-5	Aroclor-1260	1.1	u

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. G113

Matrix (soil/water): Water Lab Sample ID: 200103-7

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q	
7429-90-5	Aluminum	150	u	P	E	
7440-36-0	Antimony	50	u	P		
7440-38-2	Arsenic	5.0	u	BH		
7440-39-3	Barium	100	u	P		
7440-41-7	Beryllium	2	u	P		
7440-43-9	Cadmium	5	u	P	N,*	J
7440-70-2	Calcium	100 000		P		J
7440-47-3	Chromium	40	U	P		
7440-48-4	Cobalt	30	u	P		
7440-50-8	Copper	20	u	P		
7439-89-6	Iron	60	u	P		
7439-92-1	Lead	~~11~~ 5.	U	F	N,*	J
7439-95-4	Magnesium	40 000		P		J
7439-96-5	Manganese	10	u	P		
7439-97-6	Mercury	0.20	u	CV	N	J
7440-02-0	Nickel	30	u	P	E	
7440-09-7	Potassium	2500		P		
7782-49-2	Selenium	5.0	u	BH		
7440-22-4	Silver	10		P	N	J
7440-23-5	Sodium	17000		P		
7440-28-0	Thallium	~~3.0~~ 10	U ~~u~~	F		
7440-62-2	Vanadium	20	u	P		
7440-66-6	Zinc	20	u	P		

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.: G113

Matrix (soil/water): Water Lab Sample ID: 200103-7

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	58,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G113

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-7

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2695

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	13.	UB
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	70.	
75-34-3	1,1-Dichloroethane	65.	
540-59-0	1,2-Dichloroethene (total)	61.	
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	130.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	~~U~~ Ru
10061-01-5	cis-1,3-Dichloropropene	5.	~~U~~ Ru
79-01-6	Trichloroethene	50.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	~~U~~ Ru
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	~~U~~ Ru
127-18-4	Tetrachloroethene	13.	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
108-38-3	m-Xylene	5.	~~U~~ Ru
106-42-3	o & p-Xylene	5.	~~U~~ Ru

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G113

b Name:ARDL, INC. Contract:ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-7

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2695

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G113

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-7

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1609

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G113

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-7

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1609

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	11.	U
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G113

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-7

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1609

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	5.00	2.	
2.	Unknown	5.18	.9	
3.	Unknown	5.69	.9	
4.	Unknown	6.25	7.	
5.	Unknown	6.30	2.	
6.	Unknown	6.49	2.	
7.	Unknown	6.54	1.	
8.	Unknown	6.66	.9	
9.	Unknown	6.73	.8	
10.	Unknown alkane	6.95	4.	
11.	Unknown	8.70	1.	
12.	Unknown	17.28	2.	
13.				
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FORM I PEST 1/87 Re

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6113

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-7

Sample wt/vol: 900 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.056	U
319-85-7	beta-BHC	0.056	U
319-86-8	delta-BHC	0.056	U
58-89-9	gamma-BHC (Lindane)	0.056	U
76-44-8	Heptachlor	0.056	U
309-00-2	Aldrin	0.056	U
1024-57-3	Heptachlor epoxide	0.056	U
959-98-8	Endosulfan I	0.056	U
60-57-1	Dieldrin	0.11	U
72-55-9	4,4'-DDE	0.11	U
72-20-8	Endrin	0.11	U
33213-65-9	Endosulfan II	0.11	U
72-54-8	4,4'-DDD	0.11	U
1031-07-8	Endosulfan sulfate	0.11	U
50-29-3	4,4'-DDT	0.11	U
72-43-5	Methoxychlor	0.56	U
53494-70-5	Endrin ketone	0.11	U
5103-71-9	alpha-Chlordane	0.56	U
5103-74-2	gamma-Chlordane	0.56	U
8001-35-2	Toxaphene	1.1	U
12674-11-2	Aroclor-1016	0.56	U
11104-28-2	Aroclor-1221	0.56	U
11141-16-5	Aroclor-1232	0.56	U
53469-21-9	Aroclor-1242	0.56	U
12672-29-6	Aroclor-1248	0.56	U
11097-69-1	Aroclor-1254	1.1	U
11096-82-5	Aroclor-1260	1.1	U

FORM 1A

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. G 201

Matrix (soil/water): Water Lab Sample ID: 200103-8

Level (low/med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	150	u	P	E
7440-36-0	Antimony	50	u	P	
7440-38-2	Arsenic	5.0	u	BH	
7440-39-3	Barium	100	u	P	
7440-41-7	Beryllium	2	u	P	
7440-43-9	Cadmium	5	u	P	N,*
7440-70-2	Calcium	92000		P	
7440-47-3	Chromium	23	U	P	
7440-48-4	Cobalt	30	u	P	
7440-50-8	Copper	20	u	P	
7439-89-6	Iron	60	u	P	
7439-92-1	Lead	1.1		F	N,* J
7439-95-4	Magnesium	39000		P	J
7439-96-5	Manganese	10	u	P	
7439-97-6	Mercury	0.20	u	CV	N J
7440-02-0	Nickel	30	u	P	E
7440-09-7	Potassium	1400		P	
7782-49-2	Selenium	5.0	u	BH	
7440-22-4	Silver	10	u	P	N J
7440-23-5	Sodium	72000		P	
7440-28-0	Thallium	~~3.0~~ 10	u	F	
7440-62-2	Vanadium	20	u	P	
7440-66-6	Zinc	25		P	

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.: G201

Matrix (soil/water): Water Lab Sample ID: 200103-8

Level (low/Med): Date Received: 8/17/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	10	U		J
	Phenol				
	Sulfate	34,000			
	Sulfide	1000	U		

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

b Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-8

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2696

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-8

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2696

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- Date Analyzed: 8/24/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-8

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1610

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11.	U
111-44-4	bis(-2-Chloroethyl)Ether	11.	U
95-57-8	2-Chlorophenol	11.	U
541-73-1	1,3-Dichlorobenzene	11.	U
106-46-7	1,4-Dichlorobenzene	11.	U
100-51-6	Benzyl alcohol	11.	U
95-50-1	1,2-Dichlorobenzene	11.	U
95-48-7	2-Methylphenol	11.	U
39638-32-9	bis(2-chloroisopropyl)ether	11.	U
106-44-5	4-Methylphenol	11.	U
621-64-7	N-Nitroso-Di-n-propylamine	11.	U
67-72-1	Hexachloroethane	11.	U
98-95-3	Nitrobenzene	11.	U
78-59-1	Isophorone	11.	U
88-75-5	2-Nitrophenol	11.	U
105-67-9	2,4-Dimethylphenol	11.	U
65-85-0	Benzoic acid	56.	U
111-91-1	bis(-2-Chloroethoxy)Methane	11.	U
120-83-2	2,4-Dichlorophenol	11.	U
120-82-1	1,2,4-Trichlorobenzene	11.	U
91-20-3	Naphthalene	11.	U
106-47-8	4-Chloroaniline	11.	U
87-68-3	Hexachlorobutadiene	11.	U
59-50-7	4-Chloro-3-methylphenol	11.	U
91-57-6	2-Methylnaphthalene	11.	U
77-47-4	Hexachlorocyclopentadiene	11.	U
88-06-2	2,4,6-Trichlorophenol	11.	U
95-95-4	2,4,5-Trichlorophenol	56.	U
91-58-7	2-Chloronaphthalene	11.	U
88-74-4	2-Nitroaniline	56.	U
131-11-3	Dimethyl Phthalate	11.	U
208-96-8	Acenaphthylene	11.	U
606-20-2	2,6-Dinitrotoluene	11.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

ıb Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-8

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1610

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/22/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	56.	U
83-32-9	Acenaphthene	11.	U
51-28-5	2,4-Dinitrophenol	56.	U
100-02-7	4-Nitrophenol	56.	U
132-64-9	Dibenzofuran	11.	U
121-14-2	2,4-Dinitrotoluene	11.	U
84-66-2	Diethylphthalate	11.	U
7005-72-3	4-Chlorophenyl-phenylether	11.	U
86-73-7	Fluorene	11.	U
100-01-6	4-Nitroaniline	56.	U
534-52-1	4,6-Dinitro-2-methylphenol	56.	U
86-30-6	N-Nitrosodiphenylamine (1)	11.	U
101-55-3	4-Bromophenyl-phenylether	11.	U
118-74-1	Hexachlorobenzene	11.	U
87-86-5	Pentachlorophenol	56.	U
85-01-8	Phenanthrene	11.	U
120-12-7	Anthracene	11.	U
84-74-2	Di-n-butylphthalate	11.	U
206-44-0	Fluoranthene	11.	U
129-00-0	Pyrene	11.	U
85-68-7	Butylbenzylphthalate	11.	U
91-94-1	3,3'-Dichlorobenzidine	22.	U
56-55-3	Benzo(a)anthracene	11.	U
218-01-9	Chrysene	11.	U
117-81-7	bis(2-Ethylhexyl)phthalate	11.	U
117-84-0	Di-n-Octyl_Phthalate	11.	U
205-99-2	Benzo(b)fluoranthene	11.	U
207-08-9	Benzo(k)fluoranthene	11.	U
50-32-8	Benzo(a)pyrene	11.	U
193-39-5	Indeno(1,2,3-cd)pyrene	11.	U
53-70-3	Dibenzo(a,h)Anthracene	11.	U
191-24-2	Benzo(g,h,i)perylene	11.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

.b Name: ARDL, INC. Contract: ROCKFORD

Lab Code: ----- Case No.: 200103 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200103-8

Sample wt/vol: 900.0 (g/mL) mL Lab File ID: >D1610

Level: (low/med) LOW Date Received: 8/17/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/17/89

Extraction: (Sepf/Cont/Sonc) SEPF. Date Analyzed: 8/22/89

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.99	2.	
2.	Unknown	5.17	1.	
3.	Unknown	5.68	.9	
4.	Unknown	5.87	1.	
5.	Unknown	6.24	10.	
6.	Unknown	6.29	2.	
7.	Unknown	6.49	3.	
8.	Unknown	6.54	2.	
9.	Unknown	6.65	1.	
10.	Unknown	6.73	1.	
11.	Unknown alkane	6.94	5.	
12.	Unknown	8.70	1.	
13.	Unknown	17.28	3.	
14.				
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G201

Lab Name: ARDL, INC Contract: Rockford Products Plant #3

Lab Code: Case No.: 200103 SAS No.: SDG No.:

Matrix: (soil/water) water Lab Sample ID: 200103-8

Sample wt/vol: 800 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-17-89

% Moisture: not dec. — dec. Date Extracted: 8-18-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.06	u
319-85-7	beta-BHC	0.06	u
319-86-8	delta-BHC	0.06	u
58-89-9	gamma-BHC (Lindane)	0.06	u
76-44-8	Heptachlor	0.06	u
309-00-2	Aldrin	0.06	u
1024-57-3	Heptachlor epoxide	0.06	u
959-98-8	Endosulfan I	0.06	u
60-57-1	Dieldrin	0.13	u
72-55-9	4,4'-DDE	0.13	u
72-20-8	Endrin	0.13	u
33213-65-9	Endosulfan II	0.13	u
72-54-8	4,4'-DDD	0.13	u
1031-07-8	Endosulfan sulfate	0.13	u
50-29-3	4,4'-DDT	0.13	u
72-43-5	Methoxychlor	0.63	u
53494-70-5	Endrin ketone	0.13	u
5103-71-9	alpha-Chlordane	0.63	u
5103-74-2	gamma-Chlordane	0.63	u
8001-35-2	Toxaphene	1.3	u
12674-11-2	Aroclor-1016	0.63	u
11104-28-2	Aroclor-1221	0.63	u
11141-16-5	Aroclor-1232	0.63	u
53469-21-9	Aroclor-1242	0.63	u
12672-29-6	Aroclor-1248	0.63	u
11097-69-1	Aroclor-1254	1.3	u
11096-82-5	Aroclor-1260	1.3	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. S101

Matrix (soil/water) water Lab Sample ID: 200107-1

Level (low/med): Date Received: 8/21/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	230		P	J
7440-36-0	Antimony	50	u	P	RJS
7440-38-2	Arsenic	5.0	u	BH	
7440-39-3	Barium	100	u	P	
7440-41-7	Beryllium	2	u	P	
7440-43-9	Cadmium	5	u	P	
7440-70-2	Calcium	103000		P	
7440-47-3	Chromium	10	u	P	
7440-48-4	Cobalt	30	u	P	
7440-50-8	Copper	21		P	
7439-89-6	Iron	60	u	P	
7439-92-1	Lead	1.0	u	F	
7439-95-4	Magnesium	40000		P	
7439-96-5	Manganese	10	u	P	
7439-97-6	Mercury	0.2	u	CV	
7440-02-0	Nickel	30	u	P	
7440-09-7	Potassium	2200		P	
7782-49-2	Selenium	5.0	u	BE	
7440-22-4	Silver	10	u	P	
7440-23-5	Sodium	17000		P	
7440-28-0	Thallium	1.0	u	P	
7440-62-2	Vanadium	20	u	P	
7440-66-6	Zinc	22		P	

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

10002

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. 5101

Matrix (soil/water) water Lab Sample ID: 200107-1

Level (low/med): Date Received: 8/21/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	230		P	
7440-36-0	Antimony	50	u	P	
7440-38-2	Arsenic	5.0	u	BH	
7440-39-3	Barium	100	u	P	
7440-41-7	Beryllium	2	u	P	
7440-43-9	Cadmium	5	u	P	
7440-70-2	Calcium	103000		P	
7440-47-3	Chromium	10	u	P	
7440-48-4	Cobalt	30	u	P	
7440-50-8	Copper	21		P	
7439-89-6	Iron	60	u	P	
7439-92-1	Lead	1.0	u	F	
7439-95-4	Magnesium	40000		P	
7439-96-5	Manganese	10	u	P	
7439-97-6	Mercury	0.2	u	CV	
7440-02-0	Nickel	30	u	P	
7440-09-7	Potassium	2200		P	
7782-49-2	Selenium	5.0	u	BH	
7440-22-4	Silver	10	u	P	
7440-23-5	Sodium	17000		P	
7440-28-0	Thallium	1.0	u	F	
7440-62-2	Vanadium	20	u	P	
7440-66-6	Zinc	22		P	

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.: S101

Matrix (soil/water): Water Lab Sample ID: 200107-1

Level (low/Med): Date Received: 8/21/89

% Solids:

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

CAS No.	Analyte	Concentration	C	M	Q	
	Cyanide	10	u		*	R
	Phenol					
	Sulfate	60,000				
	Sulfide	1000	u			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200107-1

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2805

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. --- Date Analyzed: 8/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	15.	
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	46.	J
75-34-3	1,1-Dichloroethane	43.	
540-59-0	1,2-Dichloroethene (total)	44.	
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	75.	
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	26.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	UJ
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	6.	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	UJ
108-90-7	Chlorobenzene	5.	UJ
100-41-4	Ethylbenzene	5.	UJ
100-42-5	Styrene	5.	UJ
108-38-3	m-Xylene	5.	UJ
106-42-3	o & p-Xylene	5.	UJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S101

'ab Name:ARDL, INC. Contract:ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200107-1

Sample wt/vol: 5.0 (g/mL) mL Lab File ID: >V2805

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. --- Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200107-1

Sample wt/vol: 800.0 (g/mL) mL Lab File ID: >D1630

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/22/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/24/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	12.	U
111-44-4	bis(-2-Chloroethyl)Ether	12.	U
95-57-8	2-Chlorophenol	12.	U
541-73-1	1,3-Dichlorobenzene	12.	U
106-46-7	1,4-Dichlorobenzene	12.	U
100-51-6	Benzyl alcohol	12.	U
95-50-1	1,2-Dichlorobenzene	12.	U
95-48-7	2-Methylphenol	12.	U
39638-32-9	bis(2-chloroisopropyl)ether	12.	U
106-44-5	4-Methylphenol	12.	U
621-64-7	N-Nitroso-Di-n-propylamine	12.	U
67-72-1	Hexachloroethane	12.	U
98-95-3	Nitrobenzene	12.	U
78-59-1	Isophorone	12.	U
88-75-5	2-Nitrophenol	12.	U
105-67-9	2,4-Dimethylphenol	12.	U
65-85-0	Benzoic acid	62.	U
111-91-1	bis(-2-Chloroethoxy)Methane	12.	U
120-83-2	2,4-Dichlorophenol	12.	U
120-82-1	1,2,4-Trichlorobenzene	12.	U
91-20-3	Naphthalene	12.	U
106-47-8	4-Chloroaniline	12.	U
87-68-3	Hexachlorobutadiene	12.	U
59-50-7	4-Chloro-3-methylphenol	12.	U
91-57-6	2-Methylnaphthalene	12.	U
77-47-4	Hexachlorocyclopentadiene	12.	U
88-06-2	2,4,6-Trichlorophenol	12.	U
95-95-4	2,4,5-Trichlorophenol	62.	U
91-58-7	2-Chloronaphthalene	12.	U
88-74-4	2-Nitroaniline	62.	U
131-11-3	Dimethyl Phthalate	12.	U
208-96-8	Acenaphthylene	12.	U
606-20-2	2,6-Dinitrotoluene	12.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200107-1

Sample wt/vol: 800.0 (g/mL) mL Lab File ID: >D1630

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/22/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/24/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-09-2	3-Nitroaniline	62.	U
83-32-9	Acenaphthene	12.	U
51-28-5	2,4-Dinitrophenol	62.	U
100-02-7	4-Nitrophenol	62.	U
132-64-9	Dibenzofuran	12.	U
121-14-2	2,4-Dinitrotoluene	12.	U
84-66-2	Diethylphthalate	12.	U
7005-72-3	4-Chlorophenyl-phenylether	12.	U
86-73-7	Fluorene	12.	U
100-01-6	4-Nitroaniline	62.	U
534-52-1	4,6-Dinitro-2-methylphenol	62.	U
86-30-6	N-Nitrosodiphenylamine (1)	12.	U
101-55-3	4-Bromophenyl-phenylether	12.	U
118-74-1	Hexachlorobenzene	12.	U
87-86-5	Pentachlorophenol	62.	U
85-01-8	Phenanthrene	12.	U
120-12-7	Anthracene	12.	U
84-74-2	Di-n-butylphthalate	12.	U
206-44-0	Fluoranthene	12.	U
129-00-0	Pyrene	12.	U
85-68-7	Butylbenzylphthalate	12.	U
91-94-1	3,3'-Dichlorobenzidine	25.	U
56-55-3	Benzo(a)anthracene	12.	U
218-01-9	Chrysene	12.	U
117-81-7	bis(2-Ethylhexyl)phthalate	12.	U
117-84-0	Di-n-Octyl_Phthalate	12.	U
205-99-2	Benzo(b)fluoranthene	12.	U
207-08-9	Benzo(k)fluoranthene	12.	U
50-32-8	Benzo(a)pyrene	12.	U
193-39-5	Indeno(1,2,3-cd)pyrene	12.	U
53-70-3	Dibenzo(a,h)Anthracene	12.	U
191-24-2	Benzo(g,h,i)perylene	12.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S101

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) WATER Lab Sample ID: 200107-1

Sample wt/vol: 800.0 (g/mL) mL Lab File ID: >D1630

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. --- dec. --- Date Extracted: 8/22/89

Extraction: (Sepf/Cont/Sonc) SEPF Date Analyzed: 8/24/89

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.02	5.	
2.	Unknown	6.06	3.	
3.	Unknown	6.69	3.	
4.	Unknown	8.42	9.	
5.	Unknown	16.94	2.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5101

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) WATER Lab Sample ID: 200107-1

Sample wt/vol: 800 (g/mL) mL Lab File ID:

Level: (low/med) — Date Received: 8-21-89

% Moisture: not dec. — dec. Date Extracted: 8-22-89

Extraction: (Sepf/Cont/Sonc) Sepf Date Analyzed: 8-25-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.06	u
319-85-7	beta-BHC	0.06	u
319-86-8	delta-BHC	0.06	u
58-89-9	gamma-BHC (Lindane)	0.06	u
76-44-8	Heptachlor	0.06	u
309-00-2	Aldrin	0.06	u
1024-57-3	Heptachlor epoxide	0.06	u
959-98-8	Endosulfan I	0.06	u
60-57-1	Dieldrin	0.13	u
72-55-9	4,4'-DDE	0.13	u
72-20-8	Endrin	0.13	u
33213-65-9	Endosulfan II	0.13	u
72-54-8	4,4'-DDD	0.13	u
1031-07-8	Endosulfan sulfate	0.13	u
50-29-3	4,4'-DDT	0.13	u
72-43-5	Methoxychlor	0.63	u
53494-70-5	Endrin ketone	0.13	u
5103-71-9	alpha-Chlordane	0.63	u
5103-74-2	gamma-Chlordane	0.63	u
8001-35-2	Toxaphene	1.3	u
12674-11-2	Aroclor-1016	0.63	u
11104-28-2	Aroclor-1221	0.63	u
11141-16-5	Aroclor-1232	0.63	u
53469-21-9	Aroclor-1242	0.63	u
12672-29-6	Aroclor-1248	0.63	u
11097-69-1	Aroclor-1254	1.3	u
11096-82-5	Aroclor-1260	1.3	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. X101

Matrix (soil/water): Soil Lab Sample ID: 210107-2

Level (low/med): Date Received: 8/21/89

% Solids: 84

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	2700		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	1.0	U	BH	
7440-39-3	Barium	22	U	P	
7440-41-7	Beryllium	0.44	U	P	
7440-43-9	Cadmium	1.1	U	P	
7440-70-2	Calcium	9700		P	
7440-47-3	Chromium	8.9		P	
7440-48-4	Cobalt	6.6	U	P	
7440-50-8	Copper	12		P	
7439-89-6	Iron	3400		P	
7439-92-1	Lead	8.9		F	
7439-95-4	Magnesium	4100		P	
7439-96-5	Manganese	28		P	
7439-97-6	Mercury	0.07	U	CV	
7440-02-0	Nickel	9.1	U	P	E,*
7440-09-7	Potassium	130		P	
7782-49-2	Selenium	1.0	U	BH	
7440-22-4	Silver	2.2	U	P	N
7440-23-5	Sodium	89		P	
7440-28-0	Thallium	0.21	U	F	
7440-62-2	Vanadium	5.7		F	
7440-66-6	Zinc	67		P	N

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.: X101

Matrix (soil/water): Soil Lab Sample ID: 200107-2

Level (low/Med): Date Received: 8/21/89

% Solids: 84%

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	1.1	U		
	Phenol				
	Sulfate	270			
	Sulfide	300			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2806

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 16 Date Analyzed: 8/30/89

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	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	35.	
67-64-1	Acetone	32.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	8.	
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-02-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	44.	
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	5.	U
106-42-3	o & p-Xylene	13.	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2806

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 16 Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1687

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 16 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	390.	U
111-44-4	bis(-2-Chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
100-51-6	Benzyl alcohol	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
39638-32-9	bis(2-chloroisopropyl)ether	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-Di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	390.	U
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
65-85-0	Benzoic acid	1900.	U
111-91-1	bis(-2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1687

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 16 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	1900.	U
83-32-9	Acenaphthene	390.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	390.	U
120-12-7	Anthracene	390.	U
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	390.	U
129-00-0	Pyrene	390.	U
85-68-7	Butylbenzylphthalate	390.	U
91-94-1	3,3'-Dichlorobenzidine	790.	U
56-55-3	Benzo(a)anthracene	390.	U
218-01-9	Chrysene	390.	U
117-81-7	bis(2-Ethylhexyl)phthalate	390.	U
117-84-0	Di-n-Octyl_Phthalate	390.	U
205-99-2	Benzo(b)fluoranthene	390.	U
207-08-9	Benzo(k)fluoranthene	390.	U
50-32-8	Benzo(a)pyrene	390.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390.	U
53-70-3	Dibenzo(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	390.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1687

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 16 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	4.17	100.	
2.		Unknown	4.41	170.	
3.		Unknown	4.59	96.	
4.		Unknown	6.07	74.	
5.		Unknown	6.51	920.	
6.		Unknown	6.76	85.	
7.		Unknown	7.55	570.	
8.		Unknown	8.52	110.	
9.		Unknown	8.66	400.	
10.		Unknown	8.76	270.	
11.		Unknown	15.74	500.	
12.	96-76-4	Phenol,2,4-bis(1,1,-dimethylethyl)-	15.91	100.	
13.		Unknown	17.70	300.	
14.		Unknown	18.17	84.	
15.		Unknown	19.23	450.	
16.		Unknown	22.01	14000.	
17.		Unknown	23.19	230.	
18.		Unknown	25.09	33000.	
19.		Unknown phthalate	26.34	520.	
20.		Unknown	31.04	440.	
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					

FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

X101

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-2

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 16 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	95	u
319-85-7	beta-BHC	95	u
319-86-8	delta-BHC	95	u
58-89-9	gamma-BHC (Lindane)	95	u
76-44-8	Heptachlor	95	u
309-00-2	Aldrin	95	u
1024-57-3	Heptachlor epoxide	95	u
959-98-8	Endosulfan I	95	u
60-57-1	Dieldrin	190	u
72-55-9	4,4'-DDE	190	u
72-20-8	Endrin	190	u
33213-65-9	Endosulfan II	190	u
72-54-8	4,4'-DDD	190	u
1031-07-8	Endosulfan sulfate	190	u
50-29-3	4,4'-DDT	190	u
72-43-5	Methoxychlor	950	u
53494-70-5	Endrin ketone	190	u
5103-71-9	alpha-Chlordane	950	u
5103-74-2	gamma-Chlordane	950	u
8001-35-2	Toxaphene	1900	u
12674-11-2	Aroclor-1016	950	u
11104-28-2	Aroclor-1221	950	u
11141-16-5	Aroclor-1232	950	u
53469-21-9	Aroclor-1242	950	u
12672-29-6	Aroclor-1248	950	u
11097-69-1	Aroclor-1254	1900	u
11096-82-5	Aroclor-1260	1900	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. X102

Matrix (soil/water): Soil Lab Sample ID: 200107-3

Level (low/med): Date Received: 8/21/89

% Solids: 69

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	1700		P	
7440-36-0	Antimony	11	U	P	N
7440-38-2	Arsenic	1.4	u	BH	
7440-39-3	Barium	45		P	
7440-41-7	Beryllium	0.37	u	P	
7440-43-9	Cadmium	2.0		P	
7440-70-2	Calcium	24000		P	
7440-47-3	Chromium	14		P	
7440-48-4	Cobalt	5.5	u	P	
7440-50-8	Copper	49		P	
7439-89-6	Iron	3100		P	
7439-92-1	Lead	37		F	
7439-95-4	Magnesium	5100		P	
7439-96-5	Manganese	34		P	
7439-97-6	Mercury	0.10	u	CV	
7440-02-0	Nickel	10	U	P	E,*
7440-09-7	Potassium	120		P	
7782-49-2	Selenium	1.4	u	BH	
7440-22-4	Silver	1.8	u	P	N
7440-23-5	Sodium	100		P	
7440-28-0	Thallium	0.29	u	F	
7440-62-2	Vanadium	4.6		F	
7440-66-6	Zinc	140		P	N

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.: X102

Matrix (soil/water): Soil Lab Sample ID: 200107-3

Level (low/Med): Date Received: 8/21/89

% Solids: 69

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	1.3	U		
	Phenol				
	Sulfate	160			
	Sulfide	520			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2807

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 Date Analyzed: 8/30/89

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	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl Chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene Chloride	54.	
67-64-1	Acetone	31.	J
75-15-0	Carbon Disulfide	7.	U
75-35-4	1,1-Dichloroethene	7.	U
75-34-3	1,1-Dichloroethane	9.	
540-59-0	1,2-Dichloroethene (total)	7.	U
67-66-3	Chloroform	6.	J
107-02-2	1,2-Dichloroethane	7.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	70.	
56-23-5	Carbon Tetrachloride	7.	U
108-05-4	Vinyl Acetate	14.	U
75-27-4	Bromodichloromethane	7.	U
78-87-5	1,2-Dichloropropane	7.	U
10061-01-5	cis-1,3-Dichloropropene	7.	U
79-01-6	Trichloroethene	7.	U
124-48-1	Dibromochloromethane	7.	U
79-00-5	1,1,2-Trichloroethane	7.	U
71-43-2	Benzene	7.	U
10061-02-6	trans-1,3-Dichloropropene	7.	U
75-25-2	Bromoform	7.	U
108-10-1	4-Methyl-2-Pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	7.	U
79-34-5	1,1,2,2-Tetrachloroethane	7.	U
108-88-3	Toluene	7.	U
108-90-7	Chlorobenzene	7.	U
100-41-4	Ethylbenzene	7.	U
100-42-5	Styrene	7.	U
108-38-3	m-Xylene	7.	U
106-42-3	o & p-Xylene	7.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2807

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1688

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	480.	U
111-44-4	bis(-2-Chloroethyl)ether	480.	U
95-57-8	2-Chlorophenol	480.	U
541-73-1	1,3-Dichlorobenzene	480.	U
106-46-7	1,4-Dichlorobenzene	480.	U
100-51-6	Benzyl alcohol	480.	U
95-50-1	1,2-Dichlorobenzene	480.	U
95-48-7	2-Methylphenol	480.	U
39638-32-9	bis(2-chloroisopropyl)ether	480.	U
106-44-5	4-Methylphenol	480.	U
621-64-7	N-Nitroso-Di-n-propylamine	480.	U
67-72-1	Hexachloroethane	480.	U
98-95-3	Nitrobenzene	480.	U
78-59-1	Isophorone	480.	U
88-75-5	2-Nitrophenol	480.	U
105-67-9	2,4-Dimethylphenol	480.	U
65-85-0	Benzoic acid	2300.	U
111-91-1	bis(-2-Chloroethoxy)methane	480.	U
120-83-2	2,4-Dichlorophenol	480.	U
120-82-1	1,2,4-Trichlorobenzene	480.	U
91-20-3	Naphthalene	480.	U
106-47-8	4-Chloroaniline	480.	U
87-68-3	Hexachlorobutadiene	480.	U
59-50-7	4-Chloro-3-methylphenol	480.	U
91-57-6	2-Methylnaphthalene	480.	U
77-47-4	Hexachlorocyclopentadiene	480.	U
88-06-2	2,4,6-Trichlorophenol	480.	U
95-95-4	2,4,5-Trichlorophenol	2300.	U
91-58-7	2-Chloronaphthalene	480.	U
88-74-4	2-Nitroaniline	2300.	U
131-11-3	Dimethylphthalate	480.	U
208-96-8	Acenaphthylene	480.	U
606-20-2	2,6-Dinitrotoluene	480.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1688

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	2300.	U
83-32-9	Acenaphthene	480.	U
51-28-5	2,4-Dinitrophenol	2300.	U
100-02-7	4-Nitrophenol	2300.	U
132-64-9	Dibenzofuran	480.	U
121-14-2	2,4-Dinitrotoluene	480.	U
84-66-2	Diethylphthalate	480.	U
7005-72-3	4-Chlorophenyl-phenylether	480.	U
86-73-7	Fluorene	480.	U
100-01-6	4-Nitroaniline	2300.	U
534-52-1	4,6-Dinitro-2-methylphenol	2300.	UJ
86-30-6	N-Nitrosodiphenylamine (1)	480.	UJ
101-55-3	4-Bromophenyl-phenylether	480.	UJ
118-74-1	Hexachlorobenzene	480.	UJ
87-86-5	Pentachlorophenol	2300.	UJ
85-01-8	Phenanthrene	480.	UJ
120-12-7	Anthracene	480.	UJ
84-74-2	Di-n-butylphthalate	480.	UJ
206-44-0	Fluoranthene	480.	UJ
129-00-0	Pyrene	480.	U
85-68-7	Butylbenzylphthalate	480.	U
91-94-1	3,3'-Dichlorobenzidine	960.	U
56-55-3	Benzo(a)anthracene	480.	U
218-01-9	Chrysene	480.	U
117-81-7	bis(2-Ethylhexyl)phthalate	480.	U
117-84-0	Di-n-Octyl_Phthalate	480.	UJ
205-99-2	Benzo(b)fluoranthene	480.	UJ
207-08-9	Benzo(k)fluoranthene	480.	UJ
50-32-8	Benzo(a)pyrene	480.	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	480.	UJ
53-70-3	Dibenzo(a,h)anthracene	480.	UJ
191-24-2	Benzo(g,h,i)perylene	480.	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1688

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.16	120.	
2.		Unknown alkane	4.39	190.	
3.		Unknown	4.58	120.	
4.		Unknown	6.52	2100.	
5.		Unknown	6.74	190.	
6.		Unknown	7.96	100.	
7.		Unknown	8.65	120.	
8.		Unknown	8.75	270.	
9.		Unknown	14.78	88.	
10.		Unknown	15.28	110.	
11.		Unknown	15.75	740.	
12.		Unknown	16.37	140.	
13.		Unknown	16.52	90.	
14.		Unknown	19.22	710.	
15.		Unknown	20.54	380.	
16.		Unknown	21.99	14000.	
17.		Unknown	25.09	32000.	
18.		Unknown	27.32	1500.	
19.		Unknown	28.53	1800.	
20.		Unknown	31.05	4600.	
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I PEST 1/87 R

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X102

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-3

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 31 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-25-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1200	u
319-85-7	beta-BHC	1200	u
319-86-8	delta-BHC	1200	u
58-89-9	gamma-BHC (Lindane)	1200	u
76-44-8	Heptachlor	1200	u
309-00-2	Aldrin	1200	u
1024-57-3	Heptachlor epoxide	1200	u
959-98-8	Endosulfan I	1200	u
60-57-1	Dieldrin	2300	u
72-55-9	4,4'-DDE	2300	u
72-20-8	Endrin	2300	u
33213-65-9	Endosulfan II	2300	u
72-54-8	4,4'-DDD	2300	u
1031-07-8	Endosulfan sulfate	2300	u
50-29-3	4,4'-DDT	2300	u
72-43-5	Methoxychlor	12000	u
53494-70-5	Endrin ketone	2300	u
5103-71-9	alpha-Chlordane	12000	u
5103-74-2	gamma-Chlordane	12000	u
8001-35-2	Toxaphene	23000	u
12674-11-2	Aroclor-1016	12000	u
11104-28-2	Aroclor-1221	12000	u
11141-16-5	Aroclor-1232	12000	u
53469-21-9	Aroclor-1242	12000	u
12672-29-6	Aroclor-1248	12000	u
11097-69-1	Aroclor-1254	23000	u
11096-82-5	Aroclor-1260	23000	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. X 103

Matrix (soil/water): Soil Lab Sample ID: 200107-4

Level (low/med): Date Received: 8/2/89

% Solids: 82

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	920		P	
7440-36-0	Antimony	12	u	P	N
7440-38-2	Arsenic	1.2	u	BH	
7440-39-3	Barium	23	u	P	
7440-41-7	Beryllium	0.46	u	P	
7440-43-9	Cadmium	1.2	u	P	
7440-70-2	Calcium	28000		P	
7440-47-3	Chromium	4.9		P	
7440-48-4	Cobalt	6.9	u	P	
7440-50-8	Copper	6.3		P	
7439-89-6	Iron	1800		P	
7439-92-1	Lead	2.2		F	
7439-95-4	Magnesium	18000		P	
7439-96-5	Manganese	74		P	
7439-97-6	Mercury	0.12	u	CV	
7440-02-0	Nickel	9.2	U	P	E *
7440-09-7	Potassium	64		P	
7782-49-2	Selenium	1.2	u	BH	
7440-22-4	Silver	3.6	U.	P	N
7440-23-5	Sodium	150		P	
7440-28-0	Thallium	0.23	u	F	
7440-62-2	Vanadium	4.6	u	F	
7440-66-6	Zinc	28		P	N

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.: X103

Matrix (soil/water): Soil Lab Sample ID: 200107-4

Level (low/Med): Date Received: 8/21/89

% Solids: 82

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	1.1	U		
	Phenol				
	Sulfate	220			
	Sulfide	190			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2808

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 18 Date Analyzed: 8/30/89

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	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	14.	
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-02-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	23.	
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	12.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	16.	
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	30.	
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	12.	
106-42-3	o & p-Xylene	13.	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2808

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 18 Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

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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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1689

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 18 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	400.	U
111-44-4	bis(-2-Chloroethyl)ether	400.	U
95-57-8	2-Chlorophenol	400.	U
541-73-1	1,3-Dichlorobenzene	400.	U
106-46-7	1,4-Dichlorobenzene	400.	U
100-51-6	Benzyl alcohol	400.	U
95-50-1	1,2-Dichlorobenzene	400.	U
95-48-7	2-Methylphenol	400.	U
39638-32-9	bis(2-chloroisopropyl)ether	400.	U
106-44-5	4-Methylphenol	400.	U
621-64-7	N-Nitroso-Di-n-propylamine	400.	U
67-72-1	Hexachloroethane	400.	U
98-95-3	Nitrobenzene	400.	U
78-59-1	Isophorone	400.	U
88-75-5	2-Nitrophenol	400.	U
105-67-9	2,4-Dimethylphenol	400.	U
65-85-0	Benzoic acid	2000.	U
111-91-1	bis(-2-Chloroethoxy)methane	400.	U
120-83-2	2,4-Dichlorophenol	400.	U
120-82-1	1,2,4-Trichlorobenzene	400.	U
91-20-3	Naphthalene	400.	U
106-47-8	4-Chloroaniline	400.	U
87-68-3	Hexachlorobutadiene	400.	U
59-50-7	4-Chloro-3-methylphenol	400.	U
91-57-6	2-Methylnaphthalene	400.	U
77-47-4	Hexachlorocyclopentadiene	400.	U
88-06-2	2,4,6-Trichlorophenol	400.	U
95-95-4	2,4,5-Trichlorophenol	2000.	U
91-58-7	2-Chloronaphthalene	400.	U
88-74-4	2-Nitroaniline	2000.	U
131-11-3	Dimethylphthalate	400.	U
208-96-8	Acenaphthylene	400.	U
606-20-2	2,6-Dinitrotoluene	400.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1689

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 18 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	2000.	U
83-32-9	Acenaphthene	400.	U
51-28-5	2,4-Dinitrophenol	2000.	U
100-02-7	4-Nitrophenol	2000.	U
132-64-9	Dibenzofuran	400.	U
121-14-2	2,4-Dinitrotoluene	400.	U
84-66-2	Diethylphthalate	400.	U
7005-72-3	4-Chlorophenyl-phenylether	400.	U
86-73-7	Fluorene	400.	U
100-01-6	4-Nitroaniline	2000.	U
534-52-1	4,6-Dinitro-2-methylphenol	2000.	U
86-30-6	N-Nitrosodiphenylamine (1)	400.	U
101-55-3	4-Bromophenyl-phenylether	400.	U
118-74-1	Hexachlorobenzene	400.	U
87-86-5	Pentachlorophenol	2000.	U
85-01-8	Phenanthrene	400.	U
120-12-7	Anthracene	400.	U
84-74-2	Di-n-butylphthalate	400.	U
206-44-0	Fluoranthene	400.	U
129-00-0	Pyrene	400.	U
85-68-7	Butylbenzylphthalate	400.	U
91-94-1	3,3'-Dichlorobenzidine	800.	U
56-55-3	Benzo(a)anthracene	400.	U
218-01-9	Chrysene	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate	240.	J
117-84-0	Di-n-Octyl_Phthalate	400.	U
205-99-2	Benzo(b)fluoranthene	400.	U
207-08-9	Benzo(k)fluoranthene	400.	U
50-32-8	Benzo(a)pyrene	400.	U
193-39-5	Indeno(1,2,3-cd)pyrene	400.	U
53-70-3	Dibenzo(a,h)anthracene	400.	U
191-24-2	Benzo(g,h,i)perylene	400.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1689

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 18 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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. 3074-71-3	Heptane, 2,3-dimethyl	4.17	110.	
2.	Unknown	4.40	140.	
3.	Unknown	4.59	82.	
4. 79-34-5	Ethane, 1,1,2,2-tetrachloro	5.58	48.	
5.	Unknown	6.07	400.	
6.	Unknown	6.50	490.	
7.	Unknown	6.76	86.	
8.	Unknown	7.97	82.	
9.	Unknown	8.31	27.	
10.	Unknown	8.56	88.	
11.	Unknown	8.70	2200.	
12.	Unknown	9.76	37.	
13.	Unknown	15.74	120.	
14. 96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	15.91	83.	
15.	Unknown	16.98	30.	
16.	Unknown	21.96	3000.	
17.	Unknown	23.19	310.	
18.	Unknown	24.96	220.	
19.	Unknown	28.92	240.	
20.	Unknown	30.33	190.	
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FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

X103

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-4

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 18 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	98	u
319-85-7	beta-BHC	98	u
319-86-8	delta-BHC	98	u
58-89-9	gamma-BHC (Lindane)	98	u
76-44-8	Heptachlor	98	u
309-00-2	Aldrin	98	u
1024-57-3	Heptachlor epoxide	98	u
959-98-8	Endosulfan I	98	u
60-57-1	Dieldrin	98	u
72-55-9	4,4'-DDE	200	u
72-20-8	Endrin	200	u
33213-65-9	Endosulfan II	200	u
72-54-8	4,4'-DDD	200	u
1031-07-8	Endosulfan sulfate	200	u
50-29-3	4,4'-DDT	200	u
72-43-5	Methoxychlor	980	u
53494-70-5	Endrin ketone	200	u
5103-71-9	alpha-Chlordane	980	u
5103-74-2	gamma-Chlordane	980	u
8001-35-2	Toxaphene	2000	u
12674-11-2	Aroclor-1016	980	u
11104-28-2	Aroclor-1221	980	u
11141-16-5	Aroclor-1232	980	u
53469-21-9	Aroclor-1242	980	u
12672-29-6	Aroclor-1248	980	u
11097-69-1	Aroclor-1254	2000	u
11096-82-5	Aroclor-1260	2000	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. X 104

Matrix (soil/water): Soil Lab Sample ID: 200107-5

Level (low/med): Date Received: 8/21/89

% Solids: 77

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	830		P	
7440-36-0	Antimony	12	u	P	N
7440-38-2	Arsenic	1.1	u	BH	
7440-39-3	Barium	25	u	P	
7440-41-7	Beryllium	0.49	u	P	
7440-43-9	Cadmium	1.2	u	P	
7440-70-2	Calcium	45000		P	
7440-47-3	Chromium	6.5		P	
7440-48-4	Cobalt	7.4	u	P	
7440-50-8	Copper	8.4		P	
7439-89-6	Iron	2200		P	
7439-92-1	Lead	3.0		F	
7439-95-4	Magnesium	17000		P	
7439-96-5	Manganese	77		P	
7439-97-6	Mercury	0.07	u	CV	
7440-02-0	Nickel	7.4	U	P	E, *
7440-09-7	Potassium	92		P	
7782-49-2	Selenium	1.1	u	BH	
7440-22-4	Silver	3.0	U	P	N
7440-23-5	Sodium	160		P	
7440-28-0	Thallium	0.23	u	F	
7440-62-2	Vanadium	4.9	u	P	
7440-66-6	Zinc	14		P	N

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.: X 104

Matrix (soil/water): Soil Lab Sample ID: 200107-5

Level (low/Med): Date Received: 8/21/89

% Solids: 77

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	1.2	U		
	Phenol				
	Sulfate	250			
	Sulfide	180			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2809

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 23 Date Analyzed: 8/30/89

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	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	16.	
67-64-1	Acetone	17.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	6.	U
107-02-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	13.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

ab Name:ARDL, INC. Contract:ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2809

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 23 Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

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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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1690

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 23 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	430.	U
111-44-4	bis(-2-Chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
100-51-6	Benzyl alcohol	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
39638-32-9	bis(2-chloroisopropyl)ether	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-Di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	430.	U
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
65-85-0	Benzoic acid	2100.	U
111-91-1	bis(-2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	430.	U
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	430.	U
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1690

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 23 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	2100.	U
83-32-9	Acenaphthene	430.	U
51-28-5	2,4-Dinitrophenol	2100.	U
100-02-7	4-Nitrophenol	2100.	U
132-64-9	Dibenzofuran	430.	U
121-14-2	2,4-Dinitrotoluene	430.	U
84-66-2	Diethylphthalate	430.	U
7005-72-3	4-Chlorophenyl-phenylether	430.	U
86-73-7	Fluorene	430.	U
100-01-6	4-Nitroaniline	2100.	U
534-52-1	4,6-Dinitro-2-methylphenol	2100.	U
86-30-6	N-Nitrosodiphenylamine (1)	430.	U
101-55-3	4-Bromophenyl-phenylether	430.	U
118-74-1	Hexachlorobenzene	430.	U
87-86-5	Pentachlorophenol	2100.	U
85-01-8	Phenanthrene	430.	U
120-12-7	Anthracene	430.	U
84-74-2	Di-n-butylphthalate	430.	U
206-44-0	Fluoranthene	430.	U
129-00-0	Pyrene	430.	U
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	860.	U
56-55-3	Benzo(a)anthracene	430.	U
218-01-9	Chrysene	430.	U
117-81-7	bis(2-Ethylhexyl)phthalate	430.	U
117-84-0	Di-n-Octyl_Phthalate	430.	U
205-99-2	Benzo(b)fluoranthene	430.	U
207-08-9	Benzo(k)fluoranthene	430.	U
50-32-8	Benzo(a)pyrene	430.	U
193-39-5	Indeno(1,2,3-cd)pyrene	430.	U
53-70-3	Dibenzo(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1690

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 23 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	4.16	150.	
2.		Unknown	4.40	230.	
3.		Unknown alkane	4.58	160.	
4.		Unknown	6.06	360.	
5.		Unknown	6.51	1300.	
6.		Unknown	6.75	150.	
7.		Unknown	7.97	130.	
8.		Unknown	8.53	410.	
9.		Unknown	8.68	1200.	
10.		Unknown	8.75	180.	
11.		Unknown	9.76	89.	
12.		Unknown	15.74	210.	
13.	96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	15.92	110.	
14.		Unknown alkane	18.16	400.	
15.		Unknown	18.69	170.	
16.		Unknown	19.37	450.	
17.		Unknown	21.94	2100.	
18.		Unknown	27.32	460.	
19.		Unknown	28.53	690.	
20.		Unknown	31.05	1100.	
21.					
22.					
23.					
24.					
25.					
26.					
27.					
8.					
29.					

FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

X104

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-5

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 23 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-25-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	100	u
319-85-7	beta-BHC	100	u
319-86-8	delta-BHC	100	u
58-89-9	gamma-BHC (Lindane)	100	u
76-44-8	Heptachlor	100	u
309-00-2	Aldrin	100	u
1024-57-3	Heptachlor epoxide	100	u
959-98-8	Endosulfan I	100	u
60-57-1	Dieldrin	210	u
72-55-9	4,4'-DDE	210	u
72-20-8	Endrin	210	u
33213-65-9	Endosulfan II	210	u
72-54-8	4,4'-DDD	210	u
1031-07-8	Endosulfan sulfate	210	u
50-29-3	4,4'-DDT	210	u
72-43-5	Methoxychlor	1000	u
53494-70-5	Endrin ketone	210	u
5103-71-9	alpha-Chlordane	1000	u
5103-74-2	gamma-Chlordane	1000	u
8001-35-2	Toxaphene	2100	u
12674-11-2	Aroclor-1016	1000	u
11104-28-2	Aroclor-1221	1000	u
11141-16-5	Aroclor-1232	1000	u
53469-21-9	Aroclor-1242	1000	u
12672-29-6	Aroclor-1248	1000	u
11097-69-1	Aroclor-1254	2100	u
11096-82-5	Aroclor-1260	2100	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. X105

Matrix (soil/water): Soil Lab Sample ID: 200107-6

Level (low/med): Date Received: 8/21/89

% Solids: 92

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	7800		P	
7440-36-0	Antimony	9.7	u	P	N
7440-38-2	Arsenic	1.7		BH	
7440-39-3	Barium	94		P	
7440-41-7	Beryllium	0.39	u	P	
7440-43-9	Cadmium	6.3		P	
7440-70-2	Calcium	30000		P	
7440-47-3	Chromium	21		P	
7440-48-4	Cobalt	5.8	u	P	
7440-50-8	Copper	22		P	
7439-89-6	Iron	11000		P	
7439-92-1	Lead	22		F	
7439-95-4	Magnesium	15000		P	
7439-96-5	Manganese	370		P	
7439-97-6	Mercury	0.087	u	CV	
7440-02-0	Nickel	18	U	P	E *
7440-09-7	Potassium	590		P	
7782-49-2	Selenium	1.1	u	BH	
7440-22-4	Silver	1.9	u	P	N
7440-23-5	Sodium	150		P	
7440-28-0	Thallium	0.21	u	F	
7440-62-2	Vanadium	19		P	
7440-66-6	Zinc	200		P	N

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.: X105

Matrix (soil/water): Soil Lab Sample ID: 200107-6

Level (low/Med): Date Received: 8/21/89

% Solids: 92

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	5.2			
	Phenol				
	Sulfate	41			
	Sulfide	78			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2810

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 8 Date Analyzed: 8/30/89

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	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene_Chloride	27.	
67-64-1	Acetone	20.	J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene_(total)	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	UJ
71-55-6	1,1,1-Trichloroethane	5.	UJ
56-23-5	Carbon Tetrachloride	5.	UJ
108-05-4	Vinyl Acetate	11.	UJ
75-27-4	Bromodichloromethane	5.	UJ
78-87-5	1,2-Dichloropropane	5.	UJ
10061-01-5	cis-1,3-Dichloropropene	5.	UJ
79-01-6	Trichloroethene	7.	J
124-48-1	Dibromochloromethane	5.	UJ
79-00-5	1,1,2-Trichloroethane	5.	UJ
71-43-2	Benzene	5.	UJ
10061-02-6	trans-1,3-Dichloropropene	5.	UJ
75-25-2	Bromoform	5.	UJ
108-10-1	4-Methyl-2-Pentanone	11.	UJ
591-78-6	2-Hexanone	11.	UJ
127-18-4	Tetrachloroethene	4.	J
79-34-5	1,1,2,2-Tetrachloroethane	5.	UJ
108-88-3	Toluene	5.	UJ
108-90-7	Chlorobenzene	5.	UJ
100-41-4	Ethylbenzene	5.	UJ
100-42-5	Styrene	5.	UJ
108-38-3	m-Xylene	5.	UJ
106-42-3	o & p-Xylene	5.	UJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

ab Name:ARDL, INC. Contract:ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2810

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 8 Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1641

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 8 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/24/89

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	360.	U
111-44-4	bis(-2-Chloroethyl)ether	360.	U
95-57-8	2-Chlorophenol	360.	U
541-73-1	1,3-Dichlorobenzene	360.	U
106-46-7	1,4-Dichlorobenzene	360.	U
100-51-6	Benzyl alcohol	360.	U
95-50-1	1,2-Dichlorobenzene	360.	U
95-48-7	2-Methylphenol	360.	U
39638-32-9	bis(2-chloroisopropyl)ether	360.	U
106-44-5	4-Methylphenol	360.	U
621-64-7	N-Nitroso-Di-n-propylamine	360.	U
67-72-1	Hexachloroethane	360.	U
98-95-3	Nitrobenzene	360.	U
78-59-1	Isophorone	360.	U
88-75-5	2-Nitrophenol	360.	U
105-67-9	2,4-Dimethylphenol	360.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(-2-Chloroethoxy)methane	360.	U
120-83-2	2,4-Dichlorophenol	360.	U
120-82-1	1,2,4-Trichlorobenzene	360.	U
91-20-3	Naphthalene	360.	U
106-47-8	4-Chloroaniline	360.	U
87-68-3	Hexachlorobutadiene	360.	U
59-50-7	4-Chloro-3-methylphenol	360.	U
91-57-6	2-Methylnaphthalene	360.	U
77-47-4	Hexachlorocyclopentadiene	360.	U
88-06-2	2,4,6-Trichlorophenol	360.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	360.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	360.	U
208-96-8	Acenaphthylene	360.	U
606-20-2	2,6-Dinitrotoluene	360.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

'ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1641

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 8 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/24/89

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	1700.	U
83-32-9	Acenaphthene	360.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	360.	U
121-14-2	2,4-Dinitrotoluene	360.	U
84-66-2	Diethylphthalate	360.	U
7005-72-3	4-Chlorophenyl-phenylether	360.	U
86-73-7	Fluorene	360.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	360.	U
101-55-3	4-Bromophenyl-phenylether	360.	U
118-74-1	Hexachlorobenzene	360.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	360.	U
120-12-7	Anthracene	360.	U
84-74-2	Di-n-butylphthalate	360.	U
206-44-0	Fluoranthene	360.	U
129-00-0	Pyrene	360.	U
85-68-7	Butylbenzylphthalate	360.	U
91-94-1	3,3'-Dichlorobenzidine	720.	U
56-55-3	Benzo(a)anthracene	360.	U
218-01-9	Chrysene	360.	U
117-81-7	bis(2-Ethylhexyl)phthalate	280.	J
117-84-0	Di-n-Octyl_Phthalate	360.	U
205-99-2	Benzo(b)fluoranthene	360.	U
207-08-9	Benzo(k)fluoranthene	360.	U
50-32-8	Benzo(a)pyrene	360.	U
193-39-5	Indeno(1,2,3-cd)pyrene	360.	U
53-70-3	Dibenzo(a,h)anthracene	360.	U
191-24-2	Benzo(g,h,i)perylene	360.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1641

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 8 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/24/89

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	4.20	170.	
2.		Unknown alkane	4.43	240.	
3.		Unknown	4.61	140.	
4.		Unknown	6.06	300.	
5.		Unknown	6.50	880.	
6.		Unknown	6.75	76.	
7.		Unknown	7.95	100.	
8.		Unknown	8.51	240.	
9.		Unknown	8.65	850.	
10.		Unknown	8.74	89.	
11.		Unknown	9.52	68.	
12.		Unknown	15.68	110.	
13.		Unknown	15.87	98.	
14.		Unknown alkane	18.12	350.	
15.		Unknown alkene	19.32	450.	
16.		Unknown	20.48	160.	
17.		Unknown	21.87	2000.	
18.		Unknown	27.25	460.	
19.		Unknown	30.27	400.	
20.		Unknown	30.96	1100.	
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

X105

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-6

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 8.0 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-25-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 10

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	87	u
319-85-7	beta-BHC	530	
319-86-8	delta-BHC	87	u
58-89-9	gamma-BHC (Lindane)	87	u
76-44-8	Heptachlor	87	u
309-00-2	Aldrin	87	u
1024-57-3	Heptachlor epoxide	87	u
959-98-8	Endosulfan I	87	u
60-57-1	Dieldrin	170	u
72-55-9	4,4'-DDE	170	u
72-20-8	Endrin	170	u
33213-65-9	Endosulfan II	170	u
72-54-8	4,4'-DDD	170	u
1031-07-8	Endosulfan sulfate	170	u
50-29-3	4,4'-DDT	170	u
72-43-5	Methoxychlor	870	u
53494-70-5	Endrin ketone	170	u
5103-71-9	alpha-Chlordane	870	u
5103-74-2	gamma-Chlordane	870	u
8001-35-2	Toxaphene	1700	u
12674-11-2	Aroclor-1016	870	u
11104-28-2	Aroclor-1221	870	u
11141-16-5	Aroclor-1232	870	u
53469-21-9	Aroclor-1242	870	u
12672-29-6	Aroclor-1248	870	u
11097-69-1	Aroclor-1254	1700	u
11096-82-5	Aroclor-1260	1700	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name ARDL, Inc. IEPA Sample No. X106

Matrix (soil/water) Soil Lab Sample ID: 200107-7

Level (low/med): Date Received: 8/21/89

% Solids: 69

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	2100		P	
7440-36-0	Antimony	10	U	P	N
7440-38-2	Arsenic	2.1		BH	
7440-39-3	Barium	38		P	
7440-41-7	Beryllium	0.38	U	P	
7440-43-9	Cadmium	1.4		P	
7440-70-2	Calcium	49000		P	
7440-47-3	Chromium	290		P	
7440-48-4	Cobalt	5.7	U	P	
7440-50-8	Copper	66		P	
7439-89-6	Iron	5400		P	
7439-92-1	Lead	540		F	
7439-95-4	Magnesium	25000		P	
7439-96-5	Manganese	78		P	
7439-97-6	Mercury	0.27		CV	
7440-02-0	Nickel	11	U	P	E *
7440-09-7	Potassium	110		P	
7782-49-2	Selenium	1.3	U	BH	
7440-22-4	Silver	1.9	U	P	N
7440-23-5	Sodium	390		P	
7440-28-0	Thallium	0.25	U	F	
7440-62-2	Vanadium	4.3		P	
7440-66-6	Zinc	190		P	N

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.: X106

Matrix (soil/water): Soil Lab Sample ID: 200107-7

Level (low/Med): Date Received: 8/21/89

% Solids: 69

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	3.3			
	Phenol				
	Sulfate	100			
	Sulfide	510			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2811

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 Date Analyzed: 8/30/89

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	14.	U
74-83-9	Bromomethane	14.	U
75-01-4	Vinyl Chloride	14.	U
75-00-3	Chloroethane	14.	U
75-09-2	Methylene Chloride	32.	
67-64-1	Acetone	50.	J
75-15-0	Carbon Disulfide	7.	U
75-35-4	1,1-Dichloroethene	7.	U
75-34-3	1,1-Dichloroethane	7.	U
540-59-0	1,2-Dichloroethene (total)	7.	U
67-66-3	Chloroform	10.	
107-02-2	1,2-Dichloroethane	7.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	7.	U
56-23-5	Carbon Tetrachloride	7.	U
108-05-4	Vinyl Acetate	14.	U
75-27-4	Bromodichloromethane	7.	U
78-87-5	1,2-Dichloropropane	7.	U
10061-01-5	cis-1,3-Dichloropropene	7.	U
79-01-6	Trichloroethene	7.	U
124-48-1	Dibromochloromethane	7.	U
79-00-5	1,1,2-Trichloroethane	7.	U
71-43-2	Benzene	7.	U
10061-02-6	trans-1,3-Dichloropropene	7.	U
75-25-2	Bromoform	7.	U
108-10-1	4-Methyl-2-Pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	7.	U
79-34-5	1,1,2,2-Tetrachloroethane	7.	U
108-88-3	Toluene	7.	U
108-90-7	Chlorobenzene	7.	U
100-41-4	Ethylbenzene	7.	U
100-42-5	Styrene	7.	U
108-38-3	m-Xylene	7.	U
106-42-3	o & p-Xylene	7.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

ıb Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2811

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 Date Analyzed: 8/30/89

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	28.17	33.	
2.	Unknown	28.48	16.	
3.	Unknown	29.69	34.	
4.	Unknown	30.15	10.	
5.	Unknown	32.59	83.	
6.	Unknown	34.46	150.	
7.				
8.				
9.				
10.				
11.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1691

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	480.	U
111-44-4	bis(-2-Chloroethyl)ether	480.	U
95-57-8	2-Chlorophenol	480.	U
541-73-1	1,3-Dichlorobenzene	480.	U
106-46-7	1,4-Dichlorobenzene	480.	U
100-51-6	Benzyl alcohol	480.	U
95-50-1	1,2-Dichlorobenzene	480.	U
95-48-7	2-Methylphenol	480.	U
39638-32-9	bis(2-chloroisopropyl)ether	480.	U
106-44-5	4-Methylphenol	480.	U
621-64-7	N-Nitroso-Di-n-propylamine	480.	U
67-72-1	Hexachloroethane	480.	U
98-95-3	Nitrobenzene	480.	U
78-59-1	Isophorone	480.	U
88-75-5	2-Nitrophenol	480.	U
105-67-9	2,4-Dimethylphenol	480.	U
65-85-0	Benzoic acid	2300.	U
111-91-1	bis(-2-Chloroethoxy)methane	480.	U
120-83-2	2,4-Dichlorophenol	480.	U
120-82-1	1,2,4-Trichlorobenzene	480.	U
91-20-3	Naphthalene	19000.	E
106-47-8	4-Chloroaniline	480.	U
87-68-3	Hexachlorobutadiene	480.	U
59-50-7	4-Chloro-3-methylphenol	480.	U
91-57-6	2-Methylnaphthalene	6700.	
77-47-4	Hexachlorocyclopentadiene	480.	U
88-06-2	2,4,6-Trichlorophenol	480.	U
95-95-4	2,4,5-Trichlorophenol	2300.	U
91-58-7	2-Chloronaphthalene	480.	U
88-74-4	2-Nitroaniline	2300.	U
131-11-3	Dimethylphthalate	480.	U
208-96-8	Acenaphthylene	240.	J
606-20-2	2,6-Dinitrotoluene	480.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1691

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	2300.	U
83-32-9	Acenaphthene	41000.	E
51-28-5	2,4-Dinitrophenol	2300.	U
100-02-7	4-Nitrophenol	2300.	U
132-64-9	Dibenzofuran	28000.	E
121-14-2	2,4-Dinitrotoluene	480.	U
84-66-2	Diethylphthalate	480.	U
7005-72-3	4-Chlorophenyl-phenylether	480.	U
86-73-7	Fluorene	41000.	E
100-01-6	4-Nitroaniline	2300.	U
534-52-1	4,6-Dinitro-2-methylphenol	2300.	UJ
86-30-6	N-Nitrosodiphenylamine (1)	480.	UJ
101-55-3	4-Bromophenyl-phenylether	480.	UJ
118-74-1	Hexachlorobenzene	480.	UJ
87-86-5	Pentachlorophenol	2300.	UJ
85-01-8	Phenanthrene	480.	UJ
120-12-7	Anthracene	240000.	JE
84-74-2	Di-n-butylphthalate	480.	UJ
206-44-0	Fluoranthene	480.	UJ
129-00-0	Pyrene	160000.	EJ
85-68-7	Butylbenzylphthalate	480.	U
91-94-1	3,3'-Dichlorobenzidine	960.	U
56-55-3	Benzo(a)anthracene	180000.	E
218-01-9	Chrysene	22000.	E
117-81-7	bis(2-Ethylhexyl)phthalate	480.	U
117-84-0	Di-n-Octyl_Phthalate	480.	U
205-99-2	Benzo(b)fluoranthene	480.	U
207-08-9	Benzo(k)fluoranthene	290000.	E
50-32-8	Benzo(a)pyrene	140000.	E
193-39-5	Indeno(1,2,3-cd)pyrene	110000.	EJ
53-70-3	Dibenzo(a,h)anthracene	480.	U
191-24-2	Benzo(g,h,i)perylene	97000.	U EJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1691

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	8.21	11000.	
2.		Unknown	8.41	11000.	
3.		Unknown alkane	8.79	13000.	
4.		Unknown alkane	9.00	8800.	
5.		Unknown	9.22	7400.	
6.		Unknown	18.93	690.	
7.		Unknown	19.43	200.	
8.	244-99-5	5H-Indeno(1,2-b)pyridine	19.94	530.	
9.		Unknown PAH	20.52	250.	
10.		Unknown PAH	20.59	250.	
11.		Unknown PAH	20.80	610.	
12.		Unknown	21.30	210.	
13.		Unknown	22.07	400.	
14.		Unknown	22.30	550.	
15.		Unknown	23.19	500.	
16.		Unknown	23.74	990.	
17.		Unknown	23.89	480.	
18.		Unknown	25.33	590.	
19.		Unknown	26.01	570.	
20.		Unknown	28.99	1100.	
21.					
22.					
23.					
24.					
25.					
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27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106DL

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1709

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 9/01/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 100.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	48000.	U D
111-44-4	bis(-2-Chloroethyl)ether	48000.	U D
95-57-8	2-Chlorophenol	48000.	U D
541-73-1	1,3-Dichlorobenzene	48000.	U D
106-46-7	1,4-Dichlorobenzene	48000.	U D
100-51-6	Benzyl alcohol	48000.	U D
95-50-1	1,2-Dichlorobenzene	48000.	U D
95-48-7	2-Methylphenol	48000.	U D
39638-32-9	bis(2-chloroisopropyl)ether	48000.	U D
106-44-5	4-Methylphenol	48000.	U D
621-64-7	N-Nitroso-Di-n-propylamine	48000.	U D
67-72-1	Hexachloroethane	48000.	U D
98-95-3	Nitrobenzene	48000.	U D
78-59-1	Isophorone	48000.	U D
88-75-5	2-Nitrophenol	48000.	U D
105-67-9	2,4-Dimethylphenol	48000.	U D
65-85-0	Benzoic acid	230000.	U D
111-91-1	bis(-2-Chloroethoxy)methane	48000.	U D
120-83-2	2,4-Dichlorophenol	48000.	U D
120-82-1	1,2,4-Trichlorobenzene	48000.	U D
91-20-3	Naphthalene	25000.	J D
106-47-8	4-Chloroaniline	48000.	U D
87-68-3	Hexachlorobutadiene	48000.	U D
59-50-7	4-Chloro-3-methylphenol	48000.	U D
91-57-6	2-Methylnaphthalene	6100.	J D
77-47-4	Hexachlorocyclopentadiene	48000.	U D
88-06-2	2,4,6-Trichlorophenol	48000.	U D
95-95-4	2,4,5-Trichlorophenol	230000.	U D
91-58-7	2-Chloronaphthalene	48000.	U D
88-74-4	2-Nitroaniline	230000.	U D
131-11-3	Dimethylphthalate	48000.	U D
208-96-8	Acenaphthylene	48000.	U D
606-20-2	2,6-Dinitrotoluene	48000.	U D

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106DL

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1709

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 9/01/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 100.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-09-2	3-Nitroaniline	230000.	U D
83-32-9	Acenaphthene	57000.	D
51-28-5	2,4-Dinitrophenol	230000.	U D
100-02-7	4-Nitrophenol	230000.	U D
132-64-9	Dibenzofuran	35000.	J D
121-14-2	2,4-Dinitrotoluene	48000.	U D
84-66-2	Diethylphthalate	48000.	U D
7005-72-3	4-Chlorophenyl-phenylether	48000.	U D
86-73-7	Fluorene	50000.	D
100-01-6	4-Nitroaniline	230000.	U D
534-52-1	4,6-Dinitro-2-methylphenol	230000.	U D J
86-30-6	N-Nitrosodiphenylamine (1)	48000.	U D J
101-55-3	4-Bromophenyl-phenylether	48000.	U D J
118-74-1	Hexachlorobenzene	48000.	U D J
87-86-5	Pentachlorophenol	230000.	U D J
85-01-8	Phenanthrene	380000.	D J
120-12-7	Anthracene	54000.	D J
84-74-2	Di-n-butylphthalate	48000.	U D J
206-44-0	Fluoranthene	400000.	D J
129-00-0	Pyrene	340000.	D J
85-68-7	Butylbenzylphthalate	48000.	U D J
91-94-1	3,3'-Dichlorobenzidine	96000.	U D J
56-55-3	Benzo(a)anthracene	120000.	D J
218-01-9	Chrysene	150000.	D J
117-81-7	bis(2-Ethylhexyl)phthalate	48000.	U D J
117-84-0	Di-n-Octyl_Phthalate	48000.	U D J
205-99-2	Benzo(b)fluoranthene	110000.	D J
207-08-9	Benzo(k)fluoranthene	60000.	D J
50-32-8	Benzo(a)pyrene	120000.	D J
193-39-5	Indeno(1,2,3-cd)pyrene	110000.	D J
53-70-3	Dibenzo(a,h)anthracene	48000.	U D J
191-24-2	Benzo(g,h,i)perylene	100000.	D J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106DL

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7DL

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1709

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 31 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 9/01/89

GPC Cleanup: (Y/N) N pH:--- Dilution Factor: 100.000

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown alkane	8.35	8700.	D
2.		Unknown alkane	8.55	11000.	D
3.		Unknown	8.94	12000.	D
4.		Unknown	9.15	8000.	D
5.		Unknown	17.66	8300.	D
6.		Unknown	18.87	15000.	D
7.		Unknown	19.01	7300.	D
8.		Unknown	19.05	20000.	D
9.	86-74-8	9H-Carbazole	19.97	33000.	D
10.		Unknown PAH	20.62	14000.	D
11.		Unknown PAH	20.67	16000.	D
12.		Unknown	20.86	34000.	D
13.		Unknown PAH	21.40	36000.	D
14.		Unknown	22.12	55000.	D
15.		Unknown PAH	23.23	15000.	D
16.		Unknown	23.78	29000.	D
17.		Unknown	23.93	18000.	D
18.		Unknown	25.29	14000.	D
19.		Unknown	25.39	24000.	D
20.		Unknown	26.17	15000.	D
21.					
22.					
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FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

X106

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-7

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 31 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1200	u
319-85-7	beta-BHC	1400	
319-86-8	delta-BHC	1200	u
58-89-9	gamma-BHC (Lindane)	1200	u
76-44-8	Heptachlor	1200	u
309-00-2	Aldrin	1200	u
1024-57-3	Heptachlor epoxide	1200	u
959-98-8	Endosulfan I	1200	u
60-57-1	Dieldrin	2300	u
72-55-9	4,4'-DDE	2300	u
72-20-8	Endrin	2300	u
33213-65-9	Endosulfan II	2300	u
72-54-8	4,4'-DDD	2300	u
1031-07-8	Endosulfan sulfate	2300	u
50-29-3	4,4'-DDT	2300	u
72-43-5	Methoxychlor	12000	u
53494-70-5	Endrin ketone	2300	u
5103-71-9	alpha-Chlordane	12000	u
5103-74-2	gamma-Chlordane	12000	u
8001-35-2	Toxaphene	23000	u
12674-11-2	Aroclor-1016	12000	u
11104-28-2	Aroclor-1221	12000	u
11141-16-5	Aroclor-1232	12000	u
53469-21-9	Aroclor-1242	12000	u
12672-29-6	Aroclor-1248	12000	u
11097-69-1	Aroclor-1254	23000	u
11096-82-5	Aroclor-1260	23000	u

FORM IA

INORGANIC ANALYSIS DATA SHEET
METALS

Lab Name: ARDL, Inc. IEPA Sample No. X107

Matrix (soil/water): Soil Lab Sample ID: 200107-8

Level (low/med): Date Received: 8/21/89

% Solids: 88

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

CAS No.	Analyte	Concentration	C	M	Q
7429-90-5	Aluminum	12000		P	
7440-36-0	Antimony	13	U	P	N J
7440-38-2	Arsenic	3.6		BH	
7440-39-3	Barium	130		P	
7440-41-7	Beryllium	0.046		P	
7440-43-9	Cadmium	1.0	u	P	
7440-70-2	Calcium	3000		P	
7440-47-3	Chromium	18		P	
7440-48-4	Cobalt	6.2	u	P	
7440-50-8	Copper	11		P	
7439-89-6	Iron	11000		P	
7439-92-1	Lead	23		F	
7439-95-4	Magnesium	1600		P	
7439-96-5	Manganese	460		P	
7439-97-6	Mercury	0.34	u	CV	
7440-02-0	Nickel	16	U	P	E *
7440-09-7	Potassium	730		P	
7782-49-2	Selenium	1.1	u	BH	
7440-22-4	Silver	2.1	u	P	N
7440-23-5	Sodium	59		P	
7440-28-0	Thallium	0.22	u	F	
7440-62-2	Vanadium	28		F	
7440-66-6	Zinc	62		P	N

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.: X107

Matrix (soil/water): Soil Lab Sample ID: 200107-8

Level (low/Med): Date Received: 8/21/89

% Solids: 88

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

CAS No.	Analyte	Concentration	C	M	Q
	Cyanide	1.0	U		
	Phenol				
	Sulfate	47			
	Sulfide	250			

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2824

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 12 Date Analyzed: 8/31/89

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	11.	U
74-83-9	Bromomethane	11.	U
75-01-4	Vinyl Chloride	11.	U
75-00-3	Chloroethane	11.	U
75-09-2	Methylene Chloride	24.	UB
67-64-1	Acetone	23.	J
75-15-0	Carbon Disulfide	6.	U
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	6.	U
540-59-0	1,2-Dichloroethene (total)	6.	U
67-66-3	Chloroform	11.	
107-02-2	1,2-Dichloroethane	6.	U
78-93-3	2-Butanone	11.	U
71-55-6	1,1,1-Trichloroethane	6.	U
56-23-5	Carbon Tetrachloride	6.	U
108-05-4	Vinyl Acetate	11.	U
75-27-4	Bromodichloromethane	6.	U
78-87-5	1,2-Dichloropropane	6.	U
10061-01-5	cis-1,3-Dichloropropene	6.	U
79-01-6	Trichloroethene	6.	U
124-48-1	Dibromochloromethane	6.	U
79-00-5	1,1,2-Trichloroethane	6.	U
71-43-2	Benzene	6.	U
10061-02-6	trans-1,3-Dichloropropene	6.	U
75-25-2	Bromoform	6.	U
108-10-1	4-Methyl-2-Pentanone	11.	U
591-78-6	2-Hexanone	11.	U
127-18-4	Tetrachloroethene	6.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.	U
108-88-3	Toluene	6.	U
108-90-7	Chlorobenzene	6.	U
100-41-4	Ethylbenzene	6.	U
100-42-5	Styrene	6.	U
108-38-3	m-Xylene	6.	U
106-42-3	o & p-Xylene	6.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >V2824

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 12 Date Analyzed: 8/30/89

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

ab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1692

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 12 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	380.	U
111-44-4	bis(-2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
100-51-6	Benzyl alcohol	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
39638-32-9	bis(2-chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	N-Nitroso-Di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
65-85-0	Benzoic acid	1800.	U
111-91-1	bis(-2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	1800.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1800.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1692

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 12 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	1800.	U
83-32-9	Acenaphthene	380.	U
51-28-5	2,4-Dinitrophenol	1800.	U
100-02-7	4-Nitrophenol	1800.	U
132-64-9	Dibenzofuran	380.	U
121-14-2	2,4-Dinitrotoluene	380.	U
84-66-2	Diethylphthalate	380.	U
7005-72-3	4-Chlorophenyl-phenylether	380.	U
86-73-7	Fluorene	380.	U
100-01-6	4-Nitroaniline	1800.	U
534-52-1	4,6-Dinitro-2-methylphenol	1800.	U
86-30-6	N-Nitrosodiphenylamine (1)	380.	U
101-55-3	4-Bromophenyl-phenylether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	1800.	U
85-01-8	Phenanthrene	380.	U
120-12-7	Anthracene	380.	U
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	380.	U
129-00-0	Pyrene	74.	J
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	750.	U
56-55-3	Benzo(a)anthracene	380.	U
218-01-9	Chrysene	380.	U
117-81-7	bis(2-Ethylhexyl)phthalate	270.	J
117-84-0	Di-n-Octyl_Phthalate	380.	U
205-99-2	Benzo(b)fluoranthene	380.	U
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	380.	U
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenzo(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: ROCKFORD

Lab Code: --------- Case No.: 200107 SAS No.: ----- SDG No.: -----

Matrix: (soil/water) SOIL Lab Sample ID: 200107-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >D1692

Level: (low/med) LOW Date Received: 8/21/89

% Moisture: not dec. 12 dec. --- Date Extracted: 8/23/89

Extraction: (Sepf/Cont/Sonc) SONC Date Analyzed: 8/31/89

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	4.17	84.	
2.		Unknown	4.41	160.	
3.		Unknown	4.59	95.	
4.		Unknown	6.08	200.	
5.		Unknown	6.50	420.	
6.		Unknown	6.77	64.	
7.		Unknown	7.18	27.	
8.		Unknown	7.98	47.	
9.		Unknown	8.32	31.	
10.		Unknown	8.54	140.	
11.		Unknown	8.68	670.	
12.		Unknown	8.77	58.	
13.		Unknown	9.55	45.	
14.		Unknown	9.76	57.	
15.	96-76-4	Phenol, 2,4-bis(1,1-dimethylethyl)-	15.93	50.	
16.		Unknown	16.99	45.	
17.		Unknown	23.20	130.	
18.		Unknown	24.97	130.	
19.		Unknown	25.89	360.	
20.		Unknown	31.95	3800.	
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FORM I PEST 1/87

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

X107

Lab Name: ARDL, INC Contract: Rockford Products Plant 3

Lab Code: Case No.: 200107 SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 200107-8

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

Level: (low/med) Low Date Received: 8-21-89

% Moisture: not dec. 12 dec. Date Extracted: 8-23-89

Extraction: (Sepf/Cont/Sonc) Sonc Date Analyzed: 8-24-89

GPC Cleanup: (Y/N) No pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9.1	u
319-85-7	beta-BHC	9.1	u
319-86-8	delta-BHC	9.1	u
58-89-9	gamma-BHC (Lindane)	9.1	u
76-44-8	Heptachlor	9.1	u
309-00-2	Aldrin	9.1	u
1024-57-3	Heptachlor epoxide	9.1	u
959-98-8	Endosulfan I	9.1	u
60-57-1	Dieldrin	18	u
72-55-9	4,4'-DDE	18	u
72-20-8	Endrin	18	u
33213-65-9	Endosulfan II	18	u
72-54-8	4,4'-DDD	18	u
1031-07-8	Endosulfan sulfate	18	u
50-29-3	4,4'-DDT	18	u
72-43-5	Methoxychlor	91	u
53494-70-5	Endrin ketone	18	u
5103-71-9	alpha-Chlordane	91	u
5103-74-2	gamma-Chlordane	91	u
8001-35-2	Toxaphene	180	u
12674-11-2	Aroclor-1016	91	u
11104-28-2	Aroclor-1221	91	u
11141-16-5	Aroclor-1232	91	u
53469-21-9	Aroclor-1242	91	u
12672-29-6	Aroclor-1248	91	u
11097-69-1	Aroclor-1254	180	u
11096-82-5	Aroclor-1260	180	u

QUALIFIER	DEFINITION
U	Indicates element or compound was analyzed for but not detected. Report the detection limit value (e.g., 10U).
J	Indicates an estimated value. This flag is used either when estimating a concentration for TIC's where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the CRDL.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract shall be confirmed by GC/MS.
B	This flag is used when the analyte is found in the blank as well as the sample. This flag must be used for a TIC as well as for a positively identified TCL compound.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample numbers (both lab and EPA) on the Form 1 for the diluted sample, and all concentration values reported on that Form 1 are flagged with the "D" flag.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form 1 for the original analysis. If the dilution

QUALIFIER	DEFINITION
	of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate Forms 1. The Form 1 for the diluted sample shall have the "DL" suffix appended to the lab sample number and the EPA sample number.
S	Indicates value determined by Method of Standard Addition.
N	Indicates spike sample recovery is not within control limits.
*	Indicates duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for method of standard addition is less than 0.995.