SDMS US EPA REGION V -1

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L099S160003-LaSalle Co.
Carus Chemical Company
ILD 005477666
SF/HRS
Volume 2 Of 2

CERCLA

Screening Site Inspection Analytical Results

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

Confidential Material May be Enclosed

Printed on Recycled Paper

SITE NAME Carus Chemical Co.
ILD NUMBER 005477666

TABLE F-1
SAMPLE SUMMARY

SAMPLING POINT	G 101	G 103	G 106	G 112	X 101	X 102	X 103	X 104	X 105
	11-20-91	11-20-91	11-20-91	11-20-91	11-20-91	11-20-91	11-21-91	11-21-91	11-20-91
PARAMETER									
VOLATILES									
Methylene Chloride	--	--	--	--	--	--	--	8.0 J	--
Acetone	--	--	--	--	--	--	--	--	53
Carbon Disulfide	--	--	--	--	--	--	--	--	--
1,2-Dichloroethene(total)	--	--	--	19	--	--	3.0 J	--	--
Chloroform	--	--	--	--	--	--	2.0 JB	--	--
1,1,1-Trichloroethane	--	--	--	19	--	--	--	5.0 J	--
cis-1,3-Dichloropropene	--	--	--	--	--	--	2.0 J	--	--
Trichloroethene	--	--	--	31	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	1.0 J	--	--
Toluene	--	--	--	--	--	--	1.0 J	8.0 J	--
Xylene(total)	--	--	--	--	--	--	--	11.0 J	--
	ug/L	ug/L	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILES									
Phenanthrene	--	--	--	--	--	800	--	--	--
Anthracene	--	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	1200	--	--	--
Pyrene	--	--	--	--	140 J	1200	--	--	170 J
Benzo(a)anthracene	--	--	--	--	--	720	--	--	--
Chrysene	--	--	--	--	--	620	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	7.0 J	--	--	600	110 JB	130 JB	--
Benzo(b)fluoranthene	--	--	--	--	--	970	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	450	--	--	--
Benzo(a)pyrene	--	--	--	--	--	400 J	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	300 J	--	--	--
	ug/L	ug/L	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES									
Heptachlor epoxide	--	--	--	--	3.9 P	--	--	--	--
4,4'-DDE	--	--	--	--	16.0	--	--	--	--
Endrin	--	--	--	--	10.0 P	--	--	--	--
4,4'-DDD	--	--	--	--	3.1 P	--	--	--	--
4,4'-DDT	--	--	--	--	12.0 P	--	--	--	--
alpha-Chlordane	--	--	--	--	21.0	--	--	--	--
gamma-Chlordane	--	--	--	0.059	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	2800	--	--	220
Aroclor-1260	--	--	--	--	--	1100	--	--	170
	ug/L	ug/L	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
TENTATIVELY IDENTIFIED COMPOUNDS									
Ethane, 1,1,2-trichloro-1,2	--	--	6 NJ	6 NJ	13	--	25	--	43 NJ
Hexadecanoic acid	--	--	--	--	850 NJ	680	720	780	560 NJ
Hexanoic acid, 2-ethyl-	--	--	--	--	--	120 NJ	--	--	--
	ug/L	ug/L	ug/L	ug/L	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
INORGANICS									
Aluminum	48,300	123,000	55,000	3,400	18,400	3,410	9,360	13,600	11,000
Antimony	--	--	--	28.0	--	--	30.4	--	--
Arsenic	31.7	8.8 B	7.4 B	--	15.3	20.7	245	20.6	17.3
Barium	362	2530	384	166	148	288	820	259	159
Beryllium	2 B	13	5 B	1 B	1.1	--	1.6	1.5	0.88 B
Cadmium	37	19	35	2 B	13.4	4	40.5	70.7	10.6
Calcium	303 B	655,000	654,000	--	4,890	64,400	32,200	12,400	54,000
Chromium	57	248	121	7 B	29.7	31.2	46.7	35.0	24.7
Cobalt	47 B	71.1	74	10 B	13.9	13.1	3.6	14.3	20.9
Copper	100	249	385	27	28.6	409	278	417	42.3
Iron	33,800	208,000	84,600	6,110	18,700	23,100	40,000	29,400	18,800
Lead	448	179	109	--	80.8	111	38,700	730	202
Magnesium	119,000	195,000	120,000	61,000	2,580	35,600	1,220	1,520	19,700
Manganese	3,700	14,400	9,110	260	804	118,000	287	2,510	12,700
Mercury	1.6	--	--	--	--	--	--	1.3	0.19
Nickel	75	207	116	24 B	14.1	44.7	4.0 B	39	37.5
Potassium	33,800	46,100	133,000	8,360	1,790	2,180	5,090	1,380	6,800
Silver	--	--	--	--	--	20.6	--	--	2.9
Sodium	278,000	2,002,000	215,000	16,500	7,600	2,140	916 B	815 B	5,670
Thallium	--	--	--	--	--	1.1	--	--	--
Vanadium	62	265	92	12 B	40.3	--	33.6	27.6	15.7
Zinc	3,320	3,640	17,100	22 B	1,200	513	3,490	43,700	1,700
Cyanide	--	--	--	--	--	--	--	0.27	--
Sulfate	1,060,000	1,680,000	2,080,000	174,000	10	254	274	254	296
Sulfide	--	--	--	--	--	--	--	--	--
	ug/L	ug/L	ug/L	ug/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg

SITE NAME Carus Chemical Co.
ILD NUMBER 005477666

TABLE 6-1
SAMPLE SUMMARY

SAMPLING POINT	X 201	X 202	X 203	X 204	X 205	X 206	X 207	X 208
	11-21-91	11-21-91	11-21-91	11-21-91	11-21-91	11-21-91	11-20-91	11-21-91
PARAMETER								
VOLATILES								
Methylene Chloride	7.0 J	--	2.0 JB	3.0 JB	--	--	--	2 JB
Acetone	18	80.0 B	13.0 B	14.0 JB	410 B	220 J	--	7 JB
Carbon Disulfide	--	--	--	--	--	10 J	--	12 U
1,2-Dichloroethene(total)	--	8 J	--	--	--	--	--	12 U
Chloroform	--	2 J	1 J	1 JB	--	--	--	1 JB
1,1,1-Trichloroethane	6 J	--	--	2 J	--	--	--	12 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--
Trichloroethene	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--	--
Toluene	6 J	--	--	--	--	--	7 J	11 J
Xylene(total)	9 J	--	--	--	--	--	--	12 U
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
SEMIVOLATILES								
Phenanthrene	--	400 J	--	--	--	1400	--	400 U
Anthracene	--	--	--	--	--	250 J	--	400 U
Fluoranthene	--	670	--	--	--	2300	--	400 U
Pyrene	--	580 J	--	--	--	2300	--	400 U
Benzo(a)anthracene	--	330 J	--	--	--	1100	--	400 U
Chrysene	--	330 J	--	--	--	1100	--	400 U
bis(2-Ethylhexyl)phthalate	160 JB	170 JB	230 JB	200 JB	460 JB	580 JB	120 J	130 JB
Benzo(b)fluoranthene	--	320 J	--	--	--	1600	--	400 U
Benzo(k)fluoranthene	--	220 J	--	--	--	420 J	--	400 U
Benzo(a)pyrene	--	250 J	--	--	--	1000	--	400 U
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES								
Heptachlor epoxide	--	--	--	--	--	--	--	--
4,4'-DDE	--	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--	--
4,4'-DDD	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	--	--	--	--	--
alpha-Chlordane	--	--	--	--	--	--	--	--
gamma-Chlordane	--	--	--	--	--	--	--	--
Aroclor-1254	81	--	--	140	--	--	240	40 U
Aroclor-1260	--	--	--	--	--	--	230	40 U
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
TENTATIVELY IDENTIFIED COMPOUNDS								
Ethane, 1,1,2-trichloro-1,2	--	16	18	8	15	22	48 NJ	13
Hexadecanoic acid	1600	1600	1100	800	2600	1600	900 NJ	960
Hexanoic acid, 2-ethyl-	--	--	--	--	--	--	--	--
	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
INORGANICS								
Aluminum	7,980	20,000	6,200	6,810	4,160	5,810	5,870	3,430
Antimony	--	--	--	81.0	52.3	30.8	19.9	58.4
Arsenic	3.3	8.6	--	7.7	31.5	37.7	5.9	4.5
Barium	72	157	111	226	361	867	99.5	33.5 U
Beryllium	0.69 B	1.5	2.3	1.1 B	--	--	1.0 B	0.5 B
Cadmium	36.8	22.8	15.3	5.1	2.9	10.3	5.4	1.3
Calcium	24,500	25,100	27,100	75,800	243,000	194,000	73,200	87,500
Chromium	19.9	39.3	37.5	21.3	57.1	41.9	19.5	6.0
Cobalt	9.7 B	18.6	11.1	11.6 B	11.9 B	18.4 B	8.5 B	5.5 B
Copper	102	46.3	186	49.1	185	383	73.4	7.7
Iron	15,000	23,100	46,000	15,400	3,890	10,200	14,100	8,600
Lead	594	1,050	733	262	69.8	326	328	7.6
Magnesium	8,190	8,290	9,160	9,360	15,600	17,400	34,400	34,600
Manganese	500	758	1,580	1,210	17,000	28,900	2,340	520
Mercury	0.53	--	0.35	0.18	0.27	0.29	0.10	0.074 U
Nickel	19.9	28.9	85.4	16.7	50.4	91	21.1	7.4
Potassium	1,490	3,350	812 B	1,280 B	942 B	1,280 B	2,260	733 B
Silver	--	--	--	--	--	--	1.9 B	--
Sodium	175 B	302 B	358 B	304 B	808 B	842 B	3,960	171 B
Vanadium	25.7	43.9	68.8	19.9	57.5	49.6	17	8.7
Zinc	6,500	4,630	6,290	1,570	609	2,790	1,810	60.2
Cyanide	--	1.3	0.48	--	--	--	--	0.26 U
Sulfate	125	250	267	238	161	191	87.5	265
Sulfide	--	16	--	--	140	--	--	1.0 U
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg

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

MEMORANDUM

DATE: June 23, 1992

TO: Robert Casper

FROM: Ron Turpin & Jim Shaw Ron Turpin Jim Shaw

SUBJECT: Review of Data Package
Carus Chemical #1

The Division of Laboratories Quality Assurance Section has reviewed the above referenced data package. The package was for 4 soil samples, 4 water samples and 1 trip blank taken on November 21, 1991, for the target compound list. The samples were analyzed at the IEPA laboratories in Springfield (organics) and in Champaign (inorganics).

I have attached summary forms for the Volatile Organics Analyses (VOAs), the Semi-Volatile Analyses (SVs) and the Pesticide/PCB analyses (P/Ps) in soil and water samples. The results on the summary forms have been modified as required by USEPA data validation guidelines. The results on the summary forms are valid as qualified by the associated data qualifiers. The Inorganics Analysis data has been validated and the attached sample analysis data sheets have been modified as required by the data validation process and the USEPA data validation guidelines. The data is valid as qualified on the attached modified sample analysis data sheets.

attachments

cc: John Hurley
Karl Reed
Tom Crause

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IEPA - ILP
CHAIN OF CUSTODY

Seal #: 7101

Date Sealed: 11/19/91 By: [illegible]

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200249-1	X101	11-20-91	4:20 PM

Sample Appearance: Brown soil

Collection Comments:

Sampler Signature: Robert Casper Division/Company: IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	11-20-91	
1	5	32oz		BNA, PEST/PCB			
1	5	32oz		TOTAL METALS, CYANIDE,			
				SULFIDE, SULFATE,			
				MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 2:55 PM Seal #: 7101 Intact? Y / N

I certify that the bottle labels which was collected and placed in bottles of the presence that each bottle was placed intact in the shipping container and that I sealed the sample shipping container with the date and time listed below.

Sealed by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 4:20 PM Seal #: ~~7102~~ 7102 RC

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed. Ex

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: 11-21-91 Time: 0945 Seal #: 7102 Intact? Y / N

Lab Name: ARDL, INC Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7101

Date Sealed: 11/19/91 By: AWW

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200249-2	X102	11-20-91	3:30 PM

Sample Appearance : Black, SLUDGE-LIKE

Collector Comments:

Sampler Signature : Robert Casper Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	11-20-91	
1	5	32oz		BNA, PEST/PCB			
1	5	32oz		TOTAL METALS, CYANIDE, SULFIDE, SULFATE, MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 2:55PM Seal #: 7101 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): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 4:30 PM Seal #: ~~7101~~ 7102 RC

Courier - sample pickup: FED EX

Courier - sample delivery: Fed Ex

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 Eckhum **Signature:** Donna Eckhum

Date: 11-21-91 **Time:** [illegible] **Seal #:** 7[illegible] **Intact?** (Y), N

[illegible]

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7101

Date Sealed: 11/19/91 By: AW

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

[redacted]

SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
X 105	11-20-91	2:05 PM

Sample Appearance : Black soil; GREENISH - YELLOW CLAY

Collector Comments: 4" soil; 4" clay

Sampler Signature : Robert J. Casper Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	12	2oz		VOA	N	11-20-91	
1	5	32oz		BNA, PEST/PCB	↓	↓	
1	5	32oz		TOTAL METALS, CYANIDE, SULFIDE, SULFATE, MERCURY	↓	↓	

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 2:55PM Seal #: 7101 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): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 4:30 PM Seal #: ~~7102~~ 7102 RC

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed Ex

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): ~~ROBERT CASPER~~ DONNA Cochrum **Signature:** Donna Cochrum

Date: 11-21-91 **Time:** 0945 **Seal #:** 7102 **Intact?:** (Y) / N

[redacted]

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7101

Date Sealed: 11/19/91 By: AWU

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

[redacted]

SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
X 207	11-20-91	3:50PM

Sample Appearance : LIGHT DARK GREY SEDIMENT

Collector Comments:

Sampler Signature : Robert Casper Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	12	2oz		VOA	N	11-20-91	
1	5	32oz		BNA, PEST/PCB	↓	↓	
1	5	32oz		TOTAL METALS, CYANIDE, SULFIDE, SULFATE, MERCURY	↓	↓	

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 2:55PM Seal #: 7101 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): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 4:30PM Seal #: ~~7101~~ 7102 RC

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed Ex

I certify that I received the sample shipping container from the courier listed above with the shipping cont[illegible] 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: [illegible]

Date: 11-21-91 Time: [illegible] M.

Lab [illegible]

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7105

Date Sealed: 11/19/91 By: [illegible]

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200249-5	G 101	11-20-91	10:15AM

Sample Appearance: Silty, grey

Collector Comments: Silty; murky grey color from start to finish

Sampler Signature: Robert Cooper Division/Company: IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	11-20-91	
2	9	80oz		BNA			
2	9	80oz		PEST/PCB			
1	3	11	GRN	TOTAL METALS			
1	3	11	BLK	CYANIDE			
1	3	11	RED	SULFIDE			
1	3	11		SULFATE			
1	10	500ml	GRY	MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Cooper

Date: 11-20-91 Time: 9:23AM Seal #: 7105 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): ROBERT CASPER Signature: Robert Cooper

Date: 11-20-91 Time: 10:32AM Seal #: 7106

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed Ex

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: 11-21-91 **Time:** 0945 **Seal #:** 7106 **Intact?:** (Y) / N

Lab Name: [illegible] **Co[illegible]**

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7107

Date Sealed: 11/19/91 By: AWW

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

[redacted]

SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
G103	11-20-91	11:15 am

Sample Appearance : RED-BROWN COLOR

Collector Comments:

Sampler Signature : Robert Casper Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	11-20-91	
2	9	80oz		BNA			
2	9	80oz		PEST/PCB			
1	3	11	GRN	TOTAL METALS			
1	3	11	BLK	CYANIDE			
1	3	11	RED	SULFIDE			
1	3	11		SULFATE			
1	10	500ml	GRY	MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert S. Casper

Date: 11-20-91 Time: 11:40 AM Seal #: 7107 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): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 11:33 am Seal #: 7108

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed Ex

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): [illegible] **Signature:** [illegible]

Date: [illegible]

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7109

Date Sealed: 11/19/91 By: AWi

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200249-7	G106	11-20-91	12:15PM

Sample Appearance: BROWN - GREY & SILTY

Collector Comments: LEAST SILTY OF CAVUS WELLS

Sampler Signature : Robert Casper Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	9	40ml		VOA	N	11-20-91	
2	9	80oz		BNA			
2	9	80oz		PEST/PCB			
1	3	1l	GRN	TOTAL METALS			
1	3	1l	BLK	CYANIDE			
1	3	1l	RED	SULFIDE			
1	3	1l		SULFATE			
1	10	500ml	GRY	MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 11:40 AM Seal #: 7109 Intact?: (Y) N

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

Sealed by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-15-91 Time: 12:27PM Seal #: 7110

Courier - sample pickup: FED-EX

Courier - sample delivery: fed Ex

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: 11-21-91 **Time:** 0945 **Seal #:** 7110 **Intact?:** (Y) N

Lab Name: ACDL INC

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 7123

Date Sealed: 11/19/91 By: AWW

Facility
Name : CAVUS CHEMICAL CO.
Region: ROCKFORD
County: LA SALLE

Site Inventory # : 0998160003
Site Billing Code: SA-06
Project Manager : ROBERT CASPER

[redacted]

SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
G112	11-20-91	2:15 PM

Sample Appearance : CLOUDY

Collector Comments:

Sampler Signature : Robert Casper Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	8	40ml		VOA	N	11-20-91	
2	9	80oz		BNA			
2	9	80oz		PEST/PCB			
1	3	11	GRN	TOTAL METALS			
1	3	11	BLK	CYANIDE			
1	3	11	RED	SULFIDE			
1	3	11		SULFATE			
1	10	500ml	GRY	MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 1:57 PM Seal #: 7123 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): ROBERT CASPER Signature: Robert Casper

Date: 11-20-91 Time: 2:35 PM Seal #: 7124

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed Ex

I certify that I received the sample shipping container from the courier listed above with the shipping container seal intact and that each bottle in the shipping container was intact. After recording the sample in the sample 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): [illegible] **Signature:** [illegible]

Date: [illegible]

IEPA
CHAIN OF CUSTODY

Seal # 1160

Date Sealed: 11/19/91 By: AWW

Facility Name: CAVUS CHEMICAL CO
Region: ROCKFORD
County: LASALLE

Site Inventory #: 0998160003
Site Billing Code: SA-06
Project Manager: ROBERT CASPER

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
200244		11-20-91	2:15 PM

Sample Appearance:

Collection Comments:

Sampler Signature: Robert Casper Division/Company: IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	8	40ml		TRIP BLANK			

CHAIN OF CUSTODY CHRONICLE

Opened by (print): Robert Casper Signature: Robert Casper

Date: 11-20-91 Time: 2:15 PM Seal #: 7123 Intact? Y

Sealed by (print): ROBERT CASPER Signature: Robert Casper

Date: 11-21-91 Time: 2:35 PM Seal #: 7124

Courier - sample pickup: FED-EX

Courier - sample delivery: Fed Ex

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: 11-21-91 Time: 0945 Seal #: 7124 Intact?: Y / N

Lab Name: ARDL INC Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9942

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9942

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2. (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	14.53	13.	NJ
2.					
3.					
4.					
5.					
6.					
7.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2122

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 23 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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.	UJ
75-00-3	Chloroethane	13.	UJ
75-09-2	Methylene Chloride	13.	U
67-64-1	Acetone	13.	UJ
75-15-0	Carbon Disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
540-59-0	1,2-Dichloroethene (total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	~~U~~R
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon Tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	UJ
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	13.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2122

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 23 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9944

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 . (mm) Dilution Factor: 1.00000

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

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	13.	U
67-64-1	Acetone	53.	J
75-15-0	Carbon Disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
540-59-0	1,2-Dichloroethene (total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	~~UR~~
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon Tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	UJ
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	13.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9944

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-	14.51	43.	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2072

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2072

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2073

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2073

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2074

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2074

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.66	6.	NJ
2.		UNKNOWN ALKANE	24.76	8.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2075

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

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.	UJ
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	19.	
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	~~UR~~ B
71-55-6	1,1,1-Trichloroethane	19.	
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	31.	
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	UJ
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2075

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.68	6.	NJ
2.					
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7.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2071

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	420.	EJ
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	10.	UR
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-Pentanone	10.	UJ
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
1330-20-7	Xylene (total)	10.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2071

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.67	6.	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0693

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	UJ
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	420.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	420.	U
120-12-7	Anthracene	420.	U
86-74-8	Carbazole	420.	U
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	420.	U
129-00-0	Pyrene	140.	J
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	420.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	420.	U
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	420.	U
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0693

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol	420.	U
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	UJ
67-72-1	Hexachloroethane	420.	UJ
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U
91-20-3	Naphthalene	420.	U
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol	420.	U
91-57-6	2-Methylnaphthalene	420.	U
77-47-4	Hexachlorocyclopentadiene	420.	UJ
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	420.	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0694

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

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
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	UJ
67-72-1	Hexachloroethane	430.	UJ
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
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.	UJ
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0693

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.37	1800.	J
2.	UNKNOWN	4.68	1300.	J
3.	UNKNOWN	6.50	120.	J
4.	UNKNOWN	6.75	490.	J
5.	UNKNOWN	7.58	2900.	J
6.	UNKNOWN	8.06	200.	J
7.	UNKNOWN	8.34	2100.	J
8.	UNKNOWN	8.67	2700.	J
9.	UNKNOWN	8.85	420.	J
10.	UNKNOWN	13.04	300.	J
11.	UNKNOWN	21.39	160.	J
12.	UNKNOWN PHTHALATE	24.63	240.	J
13. 57103	HEXADECANOIC ACID	25.46	850.	NJ
14.	UNKNOWN	27.40	140.	J
15.	UNKNOWN	29.70	160.	J
16.	UNKNOWN	30.55	170.	J
17.	UNKNOWN ALKANE	34.65	220.	J
18.	UNKNOWN	37.88	280.	J
19.	UNKNOWN	43.04	2500.	J
20.	UNKNOWN	43.72	230.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0694

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	UJ
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	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	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	1000.	U
85-01-8	Phenanthrene	800.	
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	430.	U
84-74-2	Di-n-butylphthalate	430.	U
206-44-0	Fluoranthene	1200.	
129-00-0	Pyrene	1200.	
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	430.	U
56-55-3	Benzo(a)anthracene	720.	
218-01-9	Chrysene	620.	
117-81-7	bis(2-Ethylhexyl)phthalate	600.	
117-84-0	Di-n-octylphthalate	430.	U
205-99-2	Benzo(b)fluoranthene	970.	
207-08-9	Benzo(k)fluoranthene	450.	
50-32-8	Benzo(a)pyrene	400.	J
193-39-5	Indeno(1,2,3-cd)pyrene	300.	J
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0694

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 23 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	2400.	J
2.	UNKNOWN	4.65	2000.	J
3.	UNKNOWN	6.47	180.	J
4.	UNKNOWN	6.72	420.	J
5.	UNKNOWN	7.57	4400.	J
6.	UNKNOWN	7.93	150.	J
7.	UNKNOWN	8.06	200.	J
8.	UNKNOWN	8.34	3200.	J
9.	UNKNOWN	8.66	2800.	J
10.	UNKNOWN	8.85	550.	J
11.	UNKNOWN	12.20	140.	J
12.	UNKNOWN	12.98	190.	J
13.	UNKNOWN	13.04	520.	J
14. 149575	HEXANOIC ACID, 2-ETHYL-	14.12	120.	NJ
15.	UNKNOWN	18.20	100.	J
16.	UNKNOWN	21.41	180.	J
17.	UNKNOWN	21.96	180.	J
18.	UNKNOWN PHTHALATE	24.63	250.	J
19. 57103	HEXADECANOIC ACID	25.46	680.	NJ
20.	UNKNOWN	29.71	160.	J
21.				
22.				
23.				
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27.				
28.				
29.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0695

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol	420.	U
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	UJ
67-72-1	Hexachloroethane	420.	UJ
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U
91-20-3	Naphthalene	420.	U
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol	420.	U
91-57-6	2-Methylnaphthalene	420.	U
77-47-4	Hexachlorocyclopentadiene	420.	UJ
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	420.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0695

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	UJ
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	420.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	420.	U
120-12-7	Anthracene	420.	U
86-74-8	Carbazole	420.	U
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	420.	U
129-00-0	Pyrene	170.	J
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	420.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	420.	U
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	420.	U
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0695

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 9.3

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.30	1500.	J
2.		UNKNOWN	4.61	1300.	J
3.		UNKNOWN	6.71	470.	J
4.		UNKNOWN	7.54	2900.	J
5.		UNKNOWN	8.32	2100.	J
6.		UNKNOWN	8.64	2400.	J
7.		UNKNOWN	8.83	270.	J
8.		UNKNOWN	13.04	270.	J
9.		UNKNOWN ALKANE	21.28	140.	J
10.		UNKNOWN	21.40	180.	J
11.		UNKNOWN ALKANE	22.51	150.	J
12.		UNKNOWN ALKANE	22.58	350.	J
13.		UNKNOWN ALKANE	23.68	160.	J
14.		UNKNOWN	24.64	150.	J
15.		UNKNOWN	24.79	140.	J
16.	57103	HEXADECANOIC ACID	25.46	560.	NJ
17.		UNKNOWN	25.77	360.	J
18.		UNKNOWN ALKANE	26.86	140.	J
19.		UNKNOWN ALKANE	34.66	490.	J
20.		UNKNOWN	37.90	360.	J
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22.					
23.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0687

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0687

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

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

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.81	2.	J
2.		UNKNOWN	11.68	7.	J
3.		UNKNOWN	16.69	47.	J
4.		UNKNOWN	26.83	3.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0688

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0688

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

(1) - Cannot be separated from Diphenylamine

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-3

Level (low/med): LOW Date Received: 11-21-91

% Solids: 78.2

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11000			P	
7440-36-0	Antimony	5.5	U	N	P	R
7440-38-2	Arsenic	17.3		W N *	F	J
7440-39-3	Barium	159			P	
7440-41-7	Beryllium	0.88	B		P	
7440-43-9	Cadmium	10.6			P	
7440-70-2	Calcium	54000			P	
7440-47-3	Chromium	24.7			P	
7440-48-4	Cobalt	20.9			P	
7440-50-8	Copper	42.3			P	
7439-89-6	Iron	18800		E	P	J
7439-92-1	Lead	202			P	
7439-95-4	Magnesium	19700			P	
7439-96-5	Manganese	12700			P	
7439-97-6	Mercury	0.19			CV	
7440-02-0	Nickel	37.5			P	
7440-09-7	Potassium	6810			P	
7782-49-2	Selenium	2.2	U	W N	F	J
7440-22-4	Silver	2.9		N	P	J
7440-23-5	Sodium	5670			P	
7440-28-0	Thallium	0.90	U	W	F	J
7440-62-2	Vanadium	15.7			P	
7440-66-6	Zinc	1700		E	P	J
	Cyanide	0.26	U		C	
	Sulfide	1.0	U		T	
	Sulfate	296			C	

Color Before: GRAY Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-4

Level (low/med): LOW Date Received: 11-21-91

% Solids: 80.4

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5870			P	
7440-36-0	Antimony	19.9		N	P	J
7440-38-2	Arsenic	5.9		* N	F	J
7440-39-3	Barium	99.5			P	
7440-41-7	Beryllium	1.0	B		P	
7440-43-9	Cadmium	5.4			P	
7440-70-2	Calcium	73200			P	
7440-47-3	Chromium	19.5			P	
7440-48-4	Cobalt	8.5	B		P	
7440-50-8	Copper	73.4			P	
7439-89-6	Iron	14100		E	P	J
7439-92-1	Lead	328			P	
7439-95-4	Magnesium	34400			P	
7439-96-5	Manganese	2340			P	
7439-97-6	Mercury	0.10			CV	
7440-02-0	Nickel	21.1			P	
7440-09-7	Potassium	2260			P	
7782-49-2	Selenium	2.2	U	W N	F	J
7440-22-4	Silver	1.9	B	N	P	J
7440-23-5	Sodium	3960			P	
7440-28-0	Thallium	0.89	U		F	
7440-62-2	Vanadium	17.0			P	
7440-66-6	Zinc	1810		E	P	J
	Cyanide	0.28	U		C	
	Sulfide	1.0	U		T	
	Sulfate	87.5			C	

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

LD7981600S-LaSalle
Cavus Chemical
S.F. Tech

ARDL inc. applied research & development laboratory

CHEMISTRY • BIOLOGY • PHYSIOLOGY
ENGINEERING • ENVIRONMENTAL ANALYSIS

21 April 1992

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

SUBJECT: Data Package Submittal-Revised
Facility: Cavus Chemical
ARDL ID 200249R

Dear Mr. Turpin:

Enclosed please find ARDL's revised data package for inorganic analyses performed on samples delivered to our laboratory from the referenced site. ARDL has included all requested changes in this package and renumbered the pages as required.

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

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

Thank you.

Sincerely yours,

Daniel J. Gillespie
Technical Services Manager

DJG/jcm

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IEPA/LPC

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-1

Level (low/med): LOW Date Received: 11-21-91

% Solids: 78.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18400			P
7440-36-0	Antimony	5.5	U	N	P
7440-38-2	Arsenic	15.3		* N	F
7440-39-3	Barium	148			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	13.4			P
7440-70-2	Calcium	4890			P
7440-47-3	Chromium	29.7			P
7440-48-4	Cobalt	13.9			P
7440-50-8	Copper	28.6			P
7439-89-6	Iron	18700		E	P
7439-92-1	Lead	80.8			P
7439-95-4	Magnesium	2580			P
7439-96-5	Manganese	804			P
7439-97-6	Mercury	0.095	U		CV
7440-02-0	Nickel	14.1			P
7440-09-7	Potassium	1790			P
7782-49-2	Selenium	2.2	U	N	F
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	7600			P
7440-28-0	Thallium	0.88	U		F
7440-62-2	Vanadium	40.3			P
7440-66-6	Zinc	1200		E	P
	Cyanide	0.32	U		C
	Sulfide	1.0	U		T
	Sulfate	10.0			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROOTS, LEAVES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-2

Level (low/med): LOW Date Received: 11-21-91

% Solids: 76.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3410			P
7440-36-0	Antimony	5.3	U	N	P
7440-38-2	Arsenic	20.7		* N	F
7440-39-3	Barium	288			P
7440-41-7	Beryllium	0.21	U		P
7440-43-9	Cadmium	4.0			P
7440-70-2	Calcium	64400			P
7440-47-3	Chromium	31.2			P
7440-48-4	Cobalt	13.1			P
7440-50-8	Copper	409			P
7439-89-6	Iron	23100		E	P
7439-92-1	Lead	111			P
7439-95-4	Magnesium	35600			P
7439-96-5	Manganese	118000			P
7439-97-6	Mercury	0.078	U		CV
7440-02-0	Nickel	44.7			P
7440-09-7	Potassium	2180			P
7782-49-2	Selenium	0.41	U	W N	F
7440-22-4	Silver	20.6		N	P
7440-23-5	Sodium	2140			P
7440-28-0	Thallium	1.1			F
7440-62-2	Vanadium	2.1	U		P
7440-66-6	Zinc	513		E	P
	Cyanide	0.31	U		C
	Sulfide	1.0	U		T
	Sulfate	254			C

Color Before: BLACK&BROWN Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-3

Level (low/med): LOW Date Received: 11-21-91

% Solids: 78.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	5.5	U	N	P
7440-38-2	Arsenic	17.3		W N *	F
7440-39-3	Barium	159			P
7440-41-7	Beryllium	0.88	B		P
7440-43-9	Cadmium	10.6			P
7440-70-2	Calcium	54000			P
7440-47-3	Chromium	24.7			P
7440-48-4	Cobalt	20.9			P
7440-50-8	Copper	42.3			P
7439-89-6	Iron	18800		E	P
7439-92-1	Lead	202			P
7439-95-4	Magnesium	19700			P
7439-96-5	Manganese	12700			P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	37.5			P
7440-09-7	Potassium	6810			P
7782-49-2	Selenium	2.2	U	W N	F
7440-22-4	Silver	2.9		N	P
7440-23-5	Sodium	5670			P
7440-28-0	Thallium	0.90	U	W	F
7440-62-2	Vanadium	15.7			P
7440-66-6	Zinc	1700		E	P
	Cyanide	0.26	U		C
	Sulfide	1.0	U		T
	Sulfate	296			C

Color Before: GRAY Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-4

Level (low/med): LOW Date Received: 11-21-91

% Solids: 80.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5870			P
7440-36-0	Antimony	19.9		N	P
7440-38-2	Arsenic	5.9		* N	F
7440-39-3	Barium	99.5			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	5.4			P
7440-70-2	Calcium	73200			P
7440-47-3	Chromium	19.5			P
7440-48-4	Cobalt	8.5	B		P
7440-50-8	Copper	73.4			P
7439-89-6	Iron	14100		E	P
7439-92-1	Lead	328			P
7439-95-4	Magnesium	34400			P
7439-96-5	Manganese	2340			P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	21.1			P
7440-09-7	Potassium	2260			P
7782-49-2	Selenium	2.2	U	W N	F
7440-22-4	Silver	1.9	B	N	P
7440-23-5	Sodium	3960			P
7440-28-0	Thallium	0.89	U		F
7440-62-2	Vanadium	17.0			P
7440-66-6	Zinc	1810		E	P
	Cyanide	0.28	U		C
	Sulfide	1.0	U		T
	Sulfate	87.5			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-5

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	48300			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	31.7			F
7440-39-3	Barium	362		E	P
7440-41-7	Beryllium	2.0	B		P
7440-43-9	Cadmium	37.0			P
7440-70-2	Calcium	303	B	E	P
7440-47-3	Chromium	57.0			P
7440-48-4	Cobalt	47.0	B		P
7440-50-8	Copper	100			P
7439-89-6	Iron	33800		E	P
7439-92-1	Lead	448		+ N	F
7439-95-4	Magnesium	119000			P
7439-96-5	Manganese	3700			P
7439-97-6	Mercury	1.6			CV
7440-02-0	Nickel	75.0			P
7440-09-7	Potassium	33800			P
7782-49-2	Selenium	2.0	U	W N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	278000			P
7440-28-0	Thallium	4.0	U	W N	F
7440-62-2	Vanadium	62.0			P
7440-66-6	Zinc	3320		*	P
	Cyanide	8.3	U		C
	Sulfide	1000	U		T
	Sulfate	1060000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-6

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	123000			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	8.8	B	W	F
7440-39-3	Barium	2530		E	P
7440-41-7	Beryllium	13.0			P
7440-43-9	Cadmium	19.0			P
7440-70-2	Calcium	655000		E	P
7440-47-3	Chromium	248			P
7440-48-4	Cobalt	71.1			P
7440-50-8	Copper	249			P
7439-89-6	Iron	208000		E	P
7439-92-1	Lead	179		N S	F
7439-95-4	Magnesium	195000			P
7439-96-5	Manganese	14400			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	207			P
7440-09-7	Potassium	46100			P
7782-49-2	Selenium	2.0	U	W N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	2002000			P
7440-28-0	Thallium	4.0	U	W N	F
7440-62-2	Vanadium	265			P
7440-66-6	Zinc	3640		*	P
	Cyanide	5.0	U		C
	Sulfide	1000	U		T
	Sulfate	1680000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-7

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	55000			P
7440-36-0	Antimony	25.0	U		P
7440-38-2	Arsenic	7.4	B	W	F
7440-39-3	Barium	384		E	P
7440-41-7	Beryllium	5.0	B		P
7440-43-9	Cadmium	35.0			P
7440-70-2	Calcium	654000		E	P
7440-47-3	Chromium	121			P
7440-48-4	Cobalt	74.0			P
7440-50-8	Copper	385			P
7439-89-6	Iron	84600		E	P
7439-92-1	Lead	109		E N	F
7439-95-4	Magnesium	120000			P
7439-96-5	Manganese	9110			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	116			P
7440-09-7	Potassium	133000			P
7782-49-2	Selenium	2.0	U	W N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	215000			P
7440-28-0	Thallium	4.0	U	W N	F
7440-62-2	Vanadium	92.0			P
7440-66-6	Zinc	17100		*	P
	Cyanide	5.0	U		C
	Sulfide	1000	U		T
	Sulfate	2080000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-8

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3400			P
7440-36-0	Antimony	28.0			P
7440-38-2	Arsenic	3.0	U		F
7440-39-3	Barium	166		E	P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	2.0	B		P
7440-70-2	Calcium	200	U	E	P
7440-47-3	Chromium	7.0	B		P
7440-48-4	Cobalt	10.0	B		P
7440-50-8	Copper	27.0			P
7439-89-6	Iron	6110		E	P
7439-92-1	Lead	9.0	U	W N	F
7439-95-4	Magnesium	61000			P
7439-96-5	Manganese	260			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	24.0	B		P
7440-09-7	Potassium	8360			P
7782-49-2	Selenium	2.0	U	W N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	16500			P
7440-28-0	Thallium	4.0	U	W N	F
7440-62-2	Vanadium	12.0	B		P
7440-66-6	Zinc	22.0	B	*	P
	Cyanide	5.0	U		C
	Sulfide	1000	U		T
	Sulfate	174000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

Cavus Chemical
S.F. Tech

ARDL Inc. applied research & development laboratory

CHEMISTRY • BIOLOGY • PHYSIOLOGY
ENGINEERING • ENVIRONMENTAL ANALYSIS

18 December 1991

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

SUBJECT: Data Package Submittal
Facility: Cavus Chemical Company
ARDL ID: 200250
Site Inventory No.: 0998160003
Due Date: 12/22/91

Dear Mr. Turpin:

Enclosed please find ARDL's data package for analyses performed on samples delivered to our laboratory on 11/22/91. The data package consists of the following:

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

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

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

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

Thank you.

Sincerely yours,

Daniel J. Gillespie
Technical Services Manager

DJG/jcm

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

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-5

Level (low/med): LOW Date Received: 11/21/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	48300			P
7440-36-0	Antimony	25.0	U	N	P
7440-38-2	Arsenic	21.1		E	F
7440-39-3	Barium	362		E	P
7440-41-7	Beryllium	2.0			P
7440-43-9	Cadmium	37.0			P
7440-70-2	Calcium	303		E	P
7440-47-3	Chromium	97.0			P
7440-48-4	Cobalt	47.0			P
7440-50-8	Copper	[illegible]			P
7439-89-6	Iron	[illegible]		E	P
7439-92-1	Lead	[illegible]			P
7439-95-4	Magnesium	[illegible]			P
7439-96-5	Manganese	3700		N	P
7439-97-6	Mercury	[illegible]			CV
7440-02-0	Nickel	[illegible]			P
7440-09-7	Potassium	[illegible]			P
7782-49-2	Selenium	20.0	U	W N	F
7440-22-4	Silver	9.0	U	N	P
7440-[illegible]	[illegible]	[illegible]			P
7440-28-0	Thallium	3.0	U	W N	F
[illegible]	[illegible]	[illegible]			P
[illegible]	[illegible]	3320		E	P
	Cyanide	8.3	U		C
	Sulfide	1000	U		T
[illegible]	Sulfate	1060000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-6

Level (low/med): LOW Date Received: 11/21/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	123000			P
7440-36-0	Antimony	25.0	U	N	P
7440-38-2	Arsenic	7.1	B		F
7440-39-3	Barium	2530		E	P
7440-41-7	Beryllium	13.0			P
7440-43-9	Cadmium	19.0			P
7440-70-2	Calcium	655000		E	P
7440-47-3	Chromium	248			P
7440-48-4	Cobalt	71.1			P
7440-50-8	Copper	249			P
7439-89-6	Iron	208000		E	P
7439-92-1	Lead	20.0	U		F
7439-95-4	Magnesium	195000			P
7439-96-5	Manganese	14400		N *	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	207			P
7440-09-7	Potassium	46100			P
7782-49-2	Selenium	20.0	U	E N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	2002000			P
7440-28-0	Thallium	3.0	U	N	F
7440-62-2	Vanadium	253			P
7440-66-6	Zinc	3640		*	P
	Cyanide	5.0	U		C
	Sulfide	1000	U		T
	Sulfate	1680000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

G106

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-7

Level (low/med): LOW Date Received: 11/21/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	55000			P
7440-36-0	Antimony	25.0	U	N	P
7440-38-2	Arsenic	8.4	B	+	F
7440-39-3	Barium	384		E	P
7440-41-7	Beryllium	5.0	B		P
7440-43-9	Cadmium	35.0			P
7440-70-2	Calcium	654000		E	P
7440-47-3	Chromium	121			P
7440-48-4	Cobalt	74.0			P
7440-50-8	Copper	385			P
7439-89-6	Iron	84600		E	P
7439-92-1	Lead	605		N	P
7439-95-4	Magnesium	120000			P
7439-96-5	Manganese	9110		N *	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	116			P
7440-09-7	Potassium	133000			P
7782-49-2	Selenium	20.0	U	E N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	215000			P
7440-28-0	Thallium	30.0	U	N	F
7440-62-2	Vanadium	19.0	B		P
7440-66-6	Zinc	17100		*	P
	Cyanide	5.0	U		C
	Sulfide	1000	U		T
	Sulfate	2080000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-8

Level (low/med): LOW Date Received: 11/21/91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3400			P
7440-36-0	Antimony	81.0		N	P
7440-38-2	Arsenic	2.8	B	W	F
7440-39-3	Barium	166		E	P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	2.0	B		P
7440-70-2	Calcium	200	U	E	P
7440-47-3	Chromium	7.0	B		P
7440-48-4	Cobalt	10.0	B		P
7440-50-8	Copper	27.0			P
7439-89-6	Iron	6110		E	P
7439-92-1	Lead	20.0	U	W	F
7439-95-4	Magnesium	61000			P
7439-96-5	Manganese	143		N *	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	24.0	B		P
7440-09-7	Potassium	8360			P
7782-49-2	Selenium	20.0	U	E N	F
7440-22-4	Silver	9.0	U	N	P
7440-23-5	Sodium	16500			P
7440-28-0	Thallium	3.0	U	N	F
7440-62-2	Vanadium	15.0	U		P
7440-66-6	Zinc	22.0	B	*	P
	Cyanide	5.0	U		C
	Sulfide	1000	U		T
	Sulfate	174000			C

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-1

Level (low/med): LOW Date Received: 11/21/91

% Solids: 78.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17600			P
7440-36-0	Antimony	5.5	U	N	P
7440-38-2	Arsenic	5.2		N	F
7440-39-3	Barium	148			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	13.4			P
7440-70-2	Calcium	4600		E	P
7440-47-3	Chromium	29.7			P
7440-48-4	Cobalt	13.9			P
7440-50-8	Copper	28.6			P
7439-89-6	Iron	18700		E	P
7439-92-1	Lead	138		N	P
7439-95-4	Magnesium	2580			P
7439-96-5	Manganese	934		E	P
7439-97-6	Mercury	0.095	U		CV
7440-02-0	Nickel	14.1			P
7440-09-7	Potassium	6060			P
7782-49-2	Selenium	4.4	U	E N	F
7440-22-4	Silver	2.0	U	N	P
7440-23-5	Sodium	7600			P
7440-28-0	Thallium	0.66	U	N W	F
7440-62-2	Vanadium	40.3			P
7440-66-6	Zinc	1200		E	P
	Cyanide	0.32	U		C
	Sulfide	1.0	U		T
	Sulfate	10.0			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROOTS, LEAVES

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EPA/DLPC

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-2

Level (low/med): LOW Date Received: 11/21/91

% Solids: 76.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3430			P
7440-36-0	Antimony	5.3	U	N	P
7440-38-2	Arsenic	20.6		N S	F
7440-39-3	Barium	288			P
7440-41-7	Beryllium	0.21	U		P
7440-43-9	Cadmium	4.0			P
7440-70-2	Calcium	59100		E	P
7440-47-3	Chromium	31.2			P
7440-48-4	Cobalt	13.1			P
7440-50-8	Copper	409			P
7439-89-6	Iron	23100		E	P
7439-92-1	Lead	84.8		W	F
7439-95-4	Magnesium	35600			P
7439-96-5	Manganese	443000		E	P
7439-97-6	Mercury	0.078	U		CV
7440-02-0	Nickel	44.7			P
7440-09-7	Potassium	4410			P
7782-49-2	Selenium	4.1	U	E N	F
7440-22-4	Silver	1.9	U	N	P
7440-23-5	Sodium	2140			P
7440-28-0	Thallium	0.62	U	W N	F
7440-62-2	Vanadium	29.5			P
7440-66-6	Zinc	513		E	P
	Cyanide	0.31	U		C
	Sulfide	1.0	U		T
	Sulfate	254			C

Color Before: BLACK&BROWN Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-1

Level (low/med): LOW Date Received: 11/22/91

% Solids: 81.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9360			P
7440-36-0	Antimony	30.4			P
7440-38-2	Arsenic	245			F
7440-39-3	Barium	820		N *	P
7440-41-7	Beryllium	1.6			P
7440-43-9	Cadmium	40.5			P
7440-70-2	Calcium	32200			P
7440-47-3	Chromium	46.7			P
7440-48-4	Cobalt	3.6		*	P
7440-50-8	Copper	278			P
7439-89-6	Iron	40000			P
7439-92-1	Lead	38700			P
7439-95-4	Magnesium	1220			P
7439-96-5	Manganese	287		E N	P
7439-97-6	Mercury	0.074	U		CV
7440-02-0	Nickel	4.0	B	*	P
7440-09-7	Potassium	5090			P
7782-49-2	Selenium	4.4	U	E N	F
7440-22-4	Silver	2.0	U	N	P
7440-23-5	Sodium	916	B		P
7440-28-0	Thallium	0.66	U	W N	F
7440-62-2	Vanadium	33.6			P
7440-66-6	Zinc	3490		*	P
	Cyanide	0.29	U		C
	Sulfide	1.0	U		T
	Sulfate	274			C

Color Before: BROWN Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-2

Level (low/med): LOW Date Received: 11/22/91

% Solids: 87.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13600			P
7440-36-0	Antimony	4.8	U		P
7440-38-2	Arsenic	20.6		S	F
7440-39-3	Barium	259		* N	P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	70.7			P
7440-70-2	Calcium	12400			P
7440-47-3	Chromium	35.0			P
7440-48-4	Cobalt	14.3		*	P
7440-50-8	Copper	417			P
7439-89-6	Iron	29400			P
7439-92-1	Lead	730			P
7439-95-4	Magnesium	1520			P
7439-96-5	Manganese	2510		E N	P
7439-97-6	Mercury	1.3			CV
7440-02-0	Nickel	39.0		*	P
7440-09-7	Potassium	1380			P
7782-49-2	Selenium	4.1	U	W N	F
7440-22-4	Silver	1.7	U	N	P
7440-23-5	Sodium	815	B		P
7440-28-0	Thallium	0.62	U	W N	F
7440-62-2	Vanadium	27.6			P
7440-66-6	Zinc	43700		*	P
	Cyanide	0.27			C
	Sulfide	1.0	U		T
	Sulfate	89.5			C

Color Before: BROWN Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-3

Level (low/med): LOW Date Received: 11/21/91

% Solids: 78.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	5.5	U	N	P
7440-38-2	Arsenic	27.1		N S	F
7440-39-3	Barium	159			P
7440-41-7	Beryllium	0.88	B		P
7440-43-9	Cadmium	10.6			P
7440-70-2	Calcium	48900		E	P
7440-47-3	Chromium	24.7			P
7440-48-4	Cobalt	20.9			P
7440-50-8	Copper	42.3			P
7439-89-6	Iron	18800		E	P
7439-92-1	Lead	324		N	P
7439-95-4	Magnesium	19700			P
7439-96-5	Manganese	10500		E	P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	37.5			P
7440-09-7	Potassium	13500			P
7782-49-2	Selenium	4.5	U	E N	F
7440-22-4	Silver	2.0	U	N	P
7440-23-5	Sodium	5670			P
7440-28-0	Thallium	0.67	U	W N	F
7440-62-2	Vanadium	15.7			P
7440-66-6	Zinc	1700		E	P
	Cyanide	0.26	U		C
	Sulfide	1.0	U		T
	Sulfate	296			C

Color Before: GRAY Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-3

Level (low/med): LOW Date Received: 11/22/91

% Solids: 69.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7980			P
7440-36-0	Antimony	5.8	U		P
7440-38-2	Arsenic	3.3		+	F
7440-39-3	Barium	72.0		* N	P
7440-41-7	Beryllium	0.69	B		P
7440-43-9	Cadmium	36.8			P
7440-70-2	Calcium	24500			P
7440-47-3	Chromium	19.9			P
7440-48-4	Cobalt	9.7	B	*	P
7440-50-8	Copper	102			P
7439-89-6	Iron	15000			P
7439-92-1	Lead	594			P
7439-95-4	Magnesium	8190			P
7439-96-5	Manganese	500		E N	P
7439-97-6	Mercury	0.53			CV
7440-02-0	Nickel	19.9		*	P
7440-09-7	Potassium	1490			P
7782-49-2	Selenium	4.7	U	W N	F
7440-22-4	Silver	2.1	U	N	P
7440-23-5	Sodium	175	B		P
7440-28-0	Thallium	0.71	U	W N	F
7440-62-2	Vanadium	25.7			P
7440-66-6	Zinc	6500		*	P
	Cyanide	0.32	U		C
	Sulfide	1.0	U		T
	Sulfate	125			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: YES

Comments:

SMALL ROCKS

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-4

Level (low/med): LOW Date Received: 11/22/91

% Solids: 51.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20000			P
7440-36-0	Antimony	7.6	U		P
7440-38-2	Arsenic	8.6		+	F
7440-39-3	Barium	157		* N	P
7440-41-7	Beryllium	1.5			P
7440-43-9	Cadmium	22.8			P
7440-70-2	Calcium	25100			P
7440-47-3	Chromium	39.3			P
7440-48-4	Cobalt	18.6		*	P
7440-50-8	Copper	46.3			P
7439-89-6	Iron	23100			P
7439-92-1	Lead	1050			P
7439-95-4	Magnesium	8290			P
7439-96-5	Manganese	758		E N	P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	28.9		*	P
7440-09-7	Potassium	3350			P
7782-49-2	Selenium	6.2	U	W N	F
7440-22-4	Silver	2.7	U	N	P
7440-23-5	Sodium	302	B		P
7440-28-0	Thallium	0.94	U	W N	F
7440-62-2	Vanadium	43.9			P
7440-66-6	Zinc	4630		*	P
	Cyanide	1.3			C
	Sulfide	16.0			T
	Sulfate	250			C

Color Before: BROWN/GRAY Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

SMALL ROCKS

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET†

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-5

Level (low/med): LOW Date Received: 11/22/91

% Solids: 75.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6200			P
7440-36-0	Antimony	5.3	U		P
7440-38-2	Arsenic	0.44	U	W	F
7440-39-3	Barium	111		* N	P
7440-41-7	Beryllium	2.3			P
7440-43-9	Cadmium	15.3			P
7440-70-2	Calcium	27100			P
7440-47-3	Chromium	37.5			P
7440-48-4	Cobalt	11.1		*	P
7440-50-8	Copper	186			P
7439-89-6	Iron	46000			P
7439-92-1	Lead	733			P
7439-95-4	Magnesium	9160			P
7439-96-5	Manganese	1580		E N	P
7439-97-6	Mercury	0.35			CV
7440-02-0	Nickel	85.4		*	P
7440-09-7	Potassium	812	B		P
7782-49-2	Selenium	0.44	U	W N	F
7440-22-4	Silver	1.9	U	N	P
7440-23-5	Sodium	358	B		P
7440-28-0	Thallium	0.67	U	W N	F
7440-62-2	Vanadium	68.8			P
7440-66-6	Zinc	6290		*	P
	Cyanide	0.48			C
	Sulfide	1.0	U		T
	Sulfate	267			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

SMALL ROCKS

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-6

Level (low/med): LOW Date Received: 11/22/91

% Solids: 61.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6810			P
7440-36-0	Antimony	7.1	U		P
7440-38-2	Arsenic	7.7			F
7440-39-3	Barium	226		* N	P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	5.1			P
7440-70-2	Calcium	75800			P
7440-47-3	Chromium	21.3			P
7440-48-4	Cobalt	11.6	B	*	P
7440-50-8	Copper	49.1			P
7439-89-6	Iron	15400			P
7439-92-1	Lead	262			P
7439-95-4	Magnesium	9360			P
7439-96-5	Manganese	1210		E N	P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	16.7		*	P
7440-09-7	Potassium	1280	B		P
7782-49-2	Selenium	5.5	U	W N	F
7440-22-4	Silver	2.6	U	N	P
7440-23-5	Sodium	304	B		P
7440-28-0	Thallium	0.82	U	W N	F
7440-62-2	Vanadium	19.9			P
7440-66-6	Zinc	1570		*	P
	Cyanide	0.32	U		C
	Sulfide	1.0	U		T
	Sulfate	238			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: YES

Comments:

SMALL ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-7

Level (low/med): LOW Date Received: 11/22/91

% Solids: 32.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4160			P
7440-36-0	Antimony	52.3			P
7440-38-2	Arsenic	31.5			F
7440-39-3	Barium	361		* N	P
7440-41-7	Beryllium	0.48	U		P
7440-43-9	Cadmium	2.9			P
7440-70-2	Calcium	243000			P
7440-47-3	Chromium	57.1			P
7440-48-4	Cobalt	11.9	B	*	P
7440-50-8	Copper	185			P
7439-89-6	Iron	3890			P
7439-92-1	Lead	69.8		+ *	F
7439-95-4	Magnesium	15600			P
7439-96-5	Manganese	17000		E N	P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	50.4		*	P
7440-09-7	Potassium	942	B		P
7782-49-2	Selenium	9.4	U	W N	F
7440-22-4	Silver	4.3	U	N	P
7440-23-5	Sodium	808	B		P
7440-28-0	Thallium	1.4	U	W N	F
7440-62-2	Vanadium	57.5			P
7440-66-6	Zinc	609		*	P
	Cyanide	0.61	U		C
	Sulfide	140			T
	Sulfate	161			C

Color Before: GRAY Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: YES

Comments:

ROOTS

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-8

Level (low/med): LOW Date Received: 11/22/91

% Solids: 41.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5810			P
7440-36-0	Antimony	30.8			P
7440-38-2	Arsenic	37.7			F
7440-39-3	Barium	867		* N	P
7440-41-7	Beryllium	0.43	U		P
7440-43-9	Cadmium	10.3			P
7440-70-2	Calcium	194000			P
7440-47-3	Chromium	41.9			P
7440-48-4	Cobalt	18.4	B	*	P
7440-50-8	Copper	383			P
7439-89-6	Iron	10200			P
7439-92-1	Lead	326			P
7439-95-4	Magnesium	17400			P
7439-96-5	Manganese	28900		E N	P
7439-97-6	Mercury	0.29			CV
7440-02-0	Nickel	91.0		*	P
7440-09-7	Potassium	1280	B		P
7782-49-2	Selenium	7.7	U	E N	F
7440-22-4	Silver	3.8	U	N	P
7440-23-5	Sodium	842	B		P
7440-28-0	Thallium	1.1	U	W N	F
7440-62-2	Vanadium	49.6			P
7440-66-6	Zinc	2790		*	P
	Cyanide	0.54	U		C
	Sulfide	1.0	U		T
	Sulfate	19[illegible]			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

SMALL ROCKS

FORM I - IN

PC

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-4

Level (low/med): LOW Date Received: 11/21/91

% Solids: 80.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5580			P
7440-36-0	Antimony	19.9		N	P
7440-38-2	Arsenic	6.8		N	F
7440-39-3	Barium	99.5			P
7440-41-7	Beryllium	1.0	B		P
7440-43-9	Cadmium	5.4			P
7440-70-2	Calcium	67400		E	P
7440-47-3	Chromium	19.5			P
7440-48-4	Cobalt	8.5	B		P
7440-50-8	Copper	73.4			P
7439-89-6	Iron	14100		E	P
7439-92-1	Lead	363		N	P
7439-95-4	Magnesium	34400			P
7439-96-5	Manganese	2030		E	P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	21.1			P
7440-09-7	Potassium	6570			P
7782-49-2	Selenium	4.4	U	E N	F
7440-22-4	Silver	1.9	U	N	P
7440-23-5	Sodium	3960			P
7440-28-0	Thallium	0.67	U	W N	F
7440-62-2	Vanadium	17.0			P
7440-66-6	Zinc	1810		E	P
	Cyanide	0.28	U		C
	Sulfide	1.0	U		T
	Sulfate	87.5			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

X208

Lab Name: ARDL, INC. Contract: 200250

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix (soil/water): SOIL Lab Sample ID: 200250-9

Level (low/med): LOW Date Received: 11/22/91

% Solids: 81.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3430			P
7440-36-0	Antimony	58.4			P
7440-38-2	Arsenic	4.5			F
7440-39-3	Barium	33.5	U	* N	P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	87500			P
7440-47-3	Chromium	6.0			P
7440-48-4	Cobalt	5.5	B	*	P
7440-50-8	Copper	7.7			P
7439-89-6	Iron	8600			P
7439-92-1	Lead	7.6		*	F
7439-95-4	Magnesium	34600			P
7439-96-5	Manganese	520		E N	P
7439-97-6	Mercury	0.074	U		CV
7440-02-0	Nickel	7.4		*	P
7440-09-7	Potassium	733	B		P
7782-49-2	Selenium	3.5	U	E N	F
7440-22-4	Silver	1.5	U	N	P
7440-23-5	Sodium	171	B		P
7440-28-0	Thallium	0.52	U	W N	F
7440-62-2	Vanadium	8.7			P
7440-66-6	Zinc	60.2		*	P
	Cyanide	0.26	U		C
	Sulfide	1.0	U		T
	Sulfate	265			C

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: YES

Comments:

SMALL ROCKS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

ab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2072

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2072

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2073

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2073

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2074

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2074

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.66	6.	
2.		UNKNOWN ALKANE	24.76	8.	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2075

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

74-87-3---------Chloromethane	10.	U
74-83-9---------Bromomethane	10.	U
75-01-4---------Vinyl Chloride	10.	U
75-00-3---------Chloroethane	10.	U
75-09-2---------Methylene Chloride	10.	U
67-64-1---------Acetone	10.	U
75-15-0---------Carbon Disulfide	10.	U
75-35-4---------1,1-Dichloroethene	10.	U
75-34-3---------1,1-Dichloroethane	10.	U
540-59-0--------1,2-Dichloroethene (total)	19.	
67-66-3---------Chloroform	10.	U
107-06-2--------1,2-Dichloroethane	10.	U
78-93-3---------2-Butanone	10.	U
71-55-6---------1,1,1-Trichloroethane	12.	
56-23-5---------Carbon Tetrachloride	10.	U
75-27-4---------Bromodichloromethane	10.	U
78-87-5---------1,2-Dichloropropane	10.	U
10061-01-5------cis-1,3-Dichloropropene	10.	U
79-01-6---------Trichloroethene	31.	
124-48-1--------Dibromochloromethane	10.	U
79-00-5---------1,1,2-Trichloroethane	10.	U
71-43-2---------Benzene	10.	U
10061-02-6------trans-1,3-Dichloropropene	10.	U
75-25-2---------Bromoform	10.	U
108-10-1--------4-Methyl-2-Pentanone	10.	U
591-78-6--------2-Hexanone	10.	U
127-18-4--------Tetrachloroethene	10.	U
79-34-5---------1,1,2,2-Tetrachloroethane	10.	U
108-88-3--------Toluene	10.	U
108-90-7--------Chlorobenzene	10.	U
100-41-4--------Ethylbenzene	10.	U
100-42-5--------Styrene	10.	U
1330-20-7-------Xylene (total)	10.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2075

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.68	6	J
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9942

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 . (mm) Dilution Factor: 1.00000

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9942

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2. (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	14.53	13.	
2.					
3.					
4.					
5.					
6.					
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10.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0691

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0688

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.81	5.	J
2.	UNKNOWN	16.64	25.	J
3.	UNKNOWN	22.72	2.	J
4.	UNKNOWN	29.08	3.	J
5.				
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0691

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0691

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	16.47	5.	J
2.		UNKNOWN	16.74	65.	J
3.		UNKNOWN	29.09	6.	J
4.					
5.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0692

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0692

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	3.9	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	16	
72-20-8	Endrin	10	P
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	3.1	P
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	12	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	21	
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1F

EPA SAMPLE NO.

G112

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0692

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.82	4.	J
2.		UNKNOWN	28.90	5.	J
3.					
4.					
5.					
6.					
7.					
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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	43	U
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	43	U
7421-36-3	Endrin aldehyde	43	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	870	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	2800	
11096-82-5	Aroclor-1260	1100	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	170	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.059	
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-1

Level (low/med): LOW Date Received: 11-21-91

% Solids: 78.3

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	18400			P	
7440-36-0	Antimony	5.5	U	N	P	R
7440-38-2	Arsenic	15.3		* N	F	J
7440-39-3	Barium	148			P	
7440-41-7	Beryllium	1.1			P	
7440-43-9	Cadmium	13.4			P	
7440-70-2	Calcium	4890			P	
7440-47-3	Chromium	29.7			P	
7440-48-4	Cobalt	13.9			P	
7440-50-8	Copper	28.6			P	
7439-89-6	Iron	18700		E	P	J
7439-92-1	Lead	80.8			P	
7439-95-4	Magnesium	2580			P	
7439-96-5	Manganese	804			P	
7439-97-6	Mercury	0.095	U		CV	
7440-02-0	Nickel	14.1			P	
7440-09-7	Potassium	1790			P	
7782-49-2	Selenium	2.2	U	N	F	J
7440-22-4	Silver	1.5	U	N	P	J
7440-23-5	Sodium	7600			P	
7440-28-0	Thallium	0.88	U		F	
7440-62-2	Vanadium	40.3			P	
7440-66-6	Zinc	1200		E	P	J
	Cyanide	0.32	U		C	
	Sulfide	1.0	U		T	
	Sulfate	10.0			C	

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROOTS, LEAVES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): SOIL Lab Sample ID: 200249-2

Level (low/med): LOW Date Received: 11-21-91

% Solids: 76.7

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3410			P	
7440-36-0	Antimony	5.3	U	N	P	R
7440-38-2	Arsenic	20.7		* N	F	J
7440-39-3	Barium	288			P	
7440-41-7	Beryllium	0.21	U		P	
7440-43-9	Cadmium	4.0			P	
7440-70-2	Calcium	64400			P	
7440-47-3	Chromium	31.2			P	
7440-48-4	Cobalt	13.1			P	
7440-50-8	Copper	409			P	
7439-89-6	Iron	23100		E	P	J
7439-92-1	Lead	111			P	
7439-95-4	Magnesium	35600			P	
7439-96-5	Manganese	118000			P	
7439-97-6	Mercury	0.078	U		CV	
7440-02-0	Nickel	44.7			P	
7440-09-7	Potassium	2180			P	
7782-49-2	Selenium	0.41	U	W N	F	J
7440-22-4	Silver	20.6		N	P	J
7440-23-5	Sodium	2140			P	
7440-28-0	Thallium	1.1			F	J
7440-62-2	Vanadium	2.1	U		P	
7440-66-6	Zinc	513		E	P	J
	Cyanide	0.31	U		C	
	Sulfide	1.0	U		T	
	Sulfate	254			C	

Color Before: BLACK&BROWN Clarity Before: OPAQUE Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-6

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	123000			P	
7440-36-0	Antimony	25.0	U		P	R
7440-38-2	Arsenic	8.8	B	W	F	J
7440-39-3	Barium	2530		E	P	J
7440-41-7	Beryllium	13.0			P	
7440-43-9	Cadmium	19.0			P	
7440-70-2	Calcium	655000		E	P	J
7440-47-3	Chromium	248			P	
7440-48-4	Cobalt	71.1			P	
7440-50-8	Copper	249			P	
7439-89-6	Iron	208000		E	P	J
7439-92-1	Lead	179		N S	F	J
7439-95-4	Magnesium	195000			P	J
7439-96-5	Manganese	14400			P	J
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	207			P	
7440-09-7	Potassium	46100			P	
7782-49-2	Selenium	2.0	U	W N	F	J
7440-22-4	Silver	9.0	U	N	P	R
7440-23-5	Sodium	2002000			P	
7440-28-0	Thallium	4.0	U	W N	F	R
7440-62-2	Vanadium	265			P	J
7440-66-6	Zinc	3640		*	P	J
	Cyanide	5.0	U		C	
	Sulfide	1000	U		T	
	Sulfate	1680000			C	

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-5

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	48300			P	
7440-36-0	Antimony	25.0	U		P	R
7440-38-2	Arsenic	31.7			F	
7440-39-3	Barium	362		E	P	J
7440-41-7	Beryllium	2.0	B		P	
7440-43-9	Cadmium	37.0			P	
7440-70-2	Calcium	303	B	E	P	J
7440-47-3	Chromium	57.0			P	
7440-48-4	Cobalt	47.0	B		P	
7440-50-8	Copper	100			P	
7439-89-6	Iron	33800		E	P	J
7439-92-1	Lead	448		+ N	F	J
7439-95-4	Magnesium	119000			P	J
7439-96-5	Manganese	3700			P	J
7439-97-6	Mercury	1.6			CV	
7440-02-0	Nickel	75.0			P	
7440-09-7	Potassium	33800			P	
7782-49-2	Selenium	2.0	U	W N	F	J
7440-22-4	Silver	9.0	U	N	P	R
7440-23-5	Sodium	278000			P	
7440-28-0	Thallium	4.0	U	W N	F	R
7440-62-2	Vanadium	62.0			P	
7440-66-6	Zinc	3320		*	P	J
	Cyanide	8.3	U		C	
	Sulfide	1000	U		T	
	Sulfate	1060000			C	

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-7

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	55000			P	
7440-36-0	Antimony	25.0	U		P	R
7440-38-2	Arsenic	7.4	B	W	F	J
7440-39-3	Barium	384		E	P	J
7440-41-7	Beryllium	5.0	B		P	
7440-43-9	Cadmium	35.0			P	
7440-70-2	Calcium	654000		E	P	J
7440-47-3	Chromium	121			P	
7440-48-4	Cobalt	74.0			P	
7440-50-8	Copper	385			P	
7439-89-6	Iron	84600		E	P	J
7439-92-1	Lead	109		E N	F	J
7439-95-4	Magnesium	120000			P	J
7439-96-5	Manganese	9110			P	J
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	116			P	
7440-09-7	Potassium	133000			P	
7782-49-2	Selenium	2.0	U	W N	F	J
7440-22-4	Silver	9.0	U	N	P	R
7440-23-5	Sodium	215000			P	
7440-28-0	Thallium	4.0	U	W N	F	R
7440-62-2	Vanadium	92.0			P	
7440-66-6	Zinc	17100		*	P	J
	Cyanide	5.0	U		C	
	Sulfide	1000	U		T	
	Sulfate	2080000			C	

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: 200249

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix (soil/water): WATER Lab Sample ID: 200249-8

Level (low/med): LOW Date Received: 11-21-91

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3400			P	
7440-36-0	Antimony	28.0			P	J
7440-38-2	Arsenic	3.0	U		F	
7440-39-3	Barium	166		E	P	J
7440-41-7	Beryllium	1.0	B		P	
7440-43-9	Cadmium	2.0	B		P	
7440-70-2	Calcium	200	U	E	P	J
7440-47-3	Chromium	7.0	B		P	
7440-48-4	Cobalt	10.0	B		P	
7440-50-8	Copper	27.0			P	
7439-89-6	Iron	6110		E	P	J
7439-92-1	Lead	9.0	U	W N	F	J
7439-95-4	Magnesium	61000			P	J
7439-96-5	Manganese	260			P	J
7439-97-6	Mercury	0.20	U		CV	
7440-02-0	Nickel	24.0	B		P	
7440-09-7	Potassium	8360			P	
7782-49-2	Selenium	2.0	U	W N	F	J
7440-22-4	Silver	9.0	U	N	P	R
7440-23-5	Sodium	16500			P	
7440-28-0	Thallium	4.0	U	W N	F	R
7440-62-2	Vanadium	12.0	B		P	
7440-66-6	Zinc	22.0	B	*	P	J
	Cyanide	5.0	U		C	
	Sulfide	1000	U		T	
	Sulfate	174000			C	

Color Before: BROWN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9943

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 20 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-	14.48	48.	NJ
2.		UNKNOWN	32.78	9.	J
3.					
4.					
5.					
6.					
7.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9943

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 20 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	12.	U
67-64-1	Acetone	12.	UJ
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	UR
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	UJ
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	7.	J
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0696

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-Chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	410.	UJ
67-72-1	Hexachloroethane	410.	UJ
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	410.	U
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	410.	U
77-47-4	Hexachlorocyclopentadiene	410.	UJ
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	410.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0696

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	UJ
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	410.	U
120-12-7	Anthracene	410.	U
86-74-8	Carbazole	410.	U
84-74-2	Di-n-butylphthalate	410.	U
206-44-0	Fluoranthene	410.	U
129-00-0	Pyrene	410.	U
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U
56-55-3	Benzo(a)anthracene	410.	U
218-01-9	Chrysene	410.	U
117-81-7	bis(2-Ethylhexyl)phthalate	120.	J
117-84-0	Di-n-octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	410.	U
207-08-9	Benzo(k)fluoranthene	410.	U
50-32-8	Benzo(a)pyrene	410.	U
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	410.	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0687

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0696

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 20 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	1100.	J
2.	UNKNOWN	4.64	840.	J
3.	UNKNOWN	6.73	480.	J
4.	UNKNOWN	7.56	2100.	J
5.	UNKNOWN	8.04	190.	J
6.	UNKNOWN	8.32	1500.	J
7.	UNKNOWN	8.66	3000.	J
8.	UNKNOWN	8.84	180.	J
9.	UNKNOWN	13.04	160.	J
10.	UNKNOWN	17.62	120.	J
11.	UNKNOWN	19.98	96.	J
12.	UNKNOWN	21.41	180.	J
13.	UNKNOWN ALKANE	22.51	250.	J
14.	UNKNOWN	22.59	180.	J
15.	UNKNOWN ALKANE	23.03	120.	J
16.	UNKNOWN ALKANE	23.80	120.	J
17.	UNKNOWN PHTHALATE	24.64	300.	J
18. 57103	HEXADECANOIC ACID	25.47	900.	NJ
19.	UNKNOWN	26.86	130.	J
20.	UNKNOWN	34.66	370.	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	240	
11096-82-5	Aroclor-1260	230	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2122

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 23 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2122

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 23 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2112

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 18 Date Analyzed: 11/27/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	12.	U
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	3.	J
67-66-3	Chloroform	2.	JB
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	2.	J
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	1.	J
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	1.	J
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

RECEIVED
07 1992
EPA/DLPC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2112

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 18 Date Analyzed: 11/27/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	12.68	[redacted]	
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2130

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 13 Date Analyzed: 12/02/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2130

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 13 Date Analyzed: 12/02/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9944

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 . (mm) Dilution Factor: 1.00000

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

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	13.	U
67-64-1	Acetone	53.	
75-15-0	Carbon Disulfide	13.	U
75-35-4	1,1-Dichloroethene	13.	U
75-34-3	1,1-Dichloroethane	13.	U
540-59-0	1,2-Dichloroethene (total)	13.	U
67-66-3	Chloroform	13.	U
107-06-2	1,2-Dichloroethane	13.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	13.	U
56-23-5	Carbon Tetrachloride	13.	U
75-27-4	Bromodichloromethane	13.	U
78-87-5	1,2-Dichloropropane	13.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U
79-01-6	Trichloroethene	13.	U
124-48-1	Dibromochloromethane	13.	U
79-00-5	1,1,2-Trichloroethane	13.	U
71-43-2	Benzene	13.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U
75-25-2	Bromoform	13.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	13.	U
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	13.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9944

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-	14.51	43.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2131

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 30 Date Analyzed: 12/02/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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	7.	J
67-64-1	Acetone	18.	
75-15-0	Carbon Disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	14.	U
540-59-0	1,2-Dichloroethene (total)	14.	U
67-66-3	Chloroform	14.	U
107-06-2	1,2-Dichloroethane	14.	U
78-93-3	2-Butanone	14.	U
71-55-6	1,1,1-Trichloroethane	6.	J
56-23-5	Carbon Tetrachloride	14.	U
75-27-4	Bromodichloromethane	14.	U
78-87-5	1,2-Dichloropropane	14.	U
10061-01-5	cis-1,3-Dichloropropene	14.	U
79-01-6	Trichloroethene	14.	U
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	14.	U
10061-02-6	trans-1,3-Dichloropropene	14.	U
75-25-2	Bromoform	14.	U
108-10-1	4-Methyl-2-Pentanone	14.	U
591-78-6	2-Hexanone	14.	U
127-18-4	Tetrachloroethene	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U
108-88-3	Toluene	6.	J
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	9.	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2131

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 30 Date Analyzed: 12/02/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2115

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 48 Date Analyzed: 11/27/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	19.	U
74-83-9	Bromomethane	19.	U
75-01-4	Vinyl Chloride	19.	U
75-00-3	Chloroethane	19.	U
75-09-2	Methylene Chloride	19.	U
67-64-1	Acetone	80.	B
75-15-0	Carbon Disulfide	19.	U
75-35-4	1,1-Dichloroethene	19.	U
75-34-3	1,1-Dichloroethane	19.	U
540-59-0	1,2-Dichloroethene (total)	8.	J
67-66-3	Chloroform	2.	JB
107-06-2	1,2-Dichloroethane	19.	U
78-93-3	2-Butanone	19.	U
71-55-6	1,1,1-Trichloroethane	19.	U
56-23-5	Carbon Tetrachloride	19.	U
75-27-4	Bromodichloromethane	19.	U
78-87-5	1,2-Dichloropropane	19.	U
10061-01-5	cis-1,3-Dichloropropene	19.	U
79-01-6	Trichloroethene	19.	U
124-48-1	Dibromochloromethane	19.	U
79-00-5	1,1,2-Trichloroethane	19.	U
71-43-2	Benzene	19.	U
10061-02-6	trans-1,3-Dichloropropene	19.	U
75-25-2	Bromoform	19.	U
108-10-1	4-Methyl-2-Pentanone	19.	U
591-78-6	2-Hexanone	19.	U
127-18-4	Tetrachloroethene	19.	U
79-34-5	1,1,2,2-Tetrachloroethane	19.	U
108-88-3	Toluene	19.	U
108-90-7	Chlorobenzene	19.	U
100-41-4	Ethylbenzene	19.	U
100-42-5	Styrene	19.	U
1330-20-7	Xylene (total)	19.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2115

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 48 Date Analyzed: 11/27/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76[illegible]	ETHANE, 1,1,2-TRICHLORO-1,2,[illegible]	13.64	1[illegible]	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2116

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 24 Date Analyzed: 11/27/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2116

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 24 Date Analyzed: 11/27/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.64	18.4	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2117

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 39 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16.	U
74-83-9	Bromomethane	16.	U
75-01-4	Vinyl Chloride	16.	U
75-00-3	Chloroethane	16.	U
75-09-2	Methylene Chloride	3.	JB
67-64-1	Acetone	14.	JB
75-15-0	Carbon Disulfide	16.	U
75-35-4	1,1-Dichloroethene	16.	U
75-34-3	1,1-Dichloroethane	16.	U
540-59-0	1,2-Dichloroethene (total)	16.	U
67-66-3	Chloroform	1.	JB
107-06-2	1,2-Dichloroethane	16.	U
78-93-3	2-Butanone	16.	U
71-55-6	1,1,1-Trichloroethane	2.	J
56-23-5	Carbon Tetrachloride	16.	U
75-27-4	Bromodichloromethane	16.	U
78-87-5	1,2-Dichloropropane	16.	U
10061-01-5	cis-1,3-Dichloropropene	16.	U
79-01-6	Trichloroethene	16.	U
124-48-1	Dibromochloromethane	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U
71-43-2	Benzene	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U
75-25-2	Bromoform	16.	U
108-10-1	4-Methyl-2-Pentanone	16.	U
591-78-6	2-Hexanone	16.	U
127-18-4	Tetrachloroethene	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	16.	U
108-88-3	Toluene	16.	U
108-90-7	Chlorobenzene	16.	U
100-41-4	Ethylbenzene	16.	U
100-42-5	Styrene	16.	U
1330-20-7	Xylene (total)	16.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2117

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 39 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.58	8.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2118

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 67 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	30.	U
74-83-9	Bromomethane	30.	U
75-01-4	Vinyl Chloride	30.	U
75-00-3	Chloroethane	30.	U
75-09-2	Methylene Chloride	30.	U
67-64-1	Acetone	410.	B
75-15-0	Carbon Disulfide	30.	U
75-35-4	1,1-Dichloroethene	30.	U
75-34-3	1,1-Dichloroethane	30.	U
540-59-0	1,2-Dichloroethene (total)	30.	U
67-66-3	Chloroform	30.	U
107-06-2	1,2-Dichloroethane	30.	U
78-93-3	2-Butanone	30.	U
71-55-6	1,1,1-Trichloroethane	30.	U
56-23-5	Carbon Tetrachloride	30.	U
75-27-4	Bromodichloromethane	30.	U
78-87-5	1,2-Dichloropropane	30.	U
10061-01-5	cis-1,3-Dichloropropene	30.	U
79-01-6	Trichloroethene	30.	U
124-48-1	Dibromochloromethane	30.	U
79-00-5	1,1,2-Trichloroethane	30.	U
71-43-2	Benzene	30.	U
10061-02-6	trans-1,3-Dichloropropene	30.	U
75-25-2	Bromoform	30.	U
108-10-1	4-Methyl-2-Pentanone	30.	U
591-78-6	2-Hexanone	30.	U
127-18-4	Tetrachloroethene	30.	U
79-34-5	1,1,2,2-Tetrachloroethane	30.	U
108-88-3	Toluene	30.	U
108-90-7	Chlorobenzene	30.	U
100-41-4	Ethylbenzene	30.	U
100-42-5	Styrene	30.	U
1330-20-7	Xylene (total)	30.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X205

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2118

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 67 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.62	15.	
2.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2119

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 58 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	24.	U
74-83-9	Bromomethane	24.	U
75-01-4	Vinyl Chloride	24.	U
75-00-3	Chloroethane	24.	U
75-09-2	Methylene Chloride	24.	U
67-64-1	Acetone	220.	B
75-15-0	Carbon Disulfide	10.	J
75-35-4	1,1-Dichloroethene	24.	U
75-34-3	1,1-Dichloroethane	24.	U
540-59-0	1,2-Dichloroethene (total)	24.	U
67-66-3	Chloroform	24.	U
107-06-2	1,2-Dichloroethane	24.	U
78-93-3	2-Butanone	24.	U
71-55-6	1,1,1-Trichloroethane	24.	U
56-23-5	Carbon Tetrachloride	24.	U
75-27-4	Bromodichloromethane	24.	U
78-87-5	1,2-Dichloropropane	24.	U
10061-01-5	cis-1,3-Dichloropropene	24.	U
79-01-6	Trichloroethene	24.	U
124-48-1	Dibromochloromethane	24.	U
79-00-5	1,1,2-Trichloroethane	24.	U
71-43-2	Benzene	24.	U
10061-02-6	trans-1,3-Dichloropropene	24.	U
75-25-2	Bromoform	24.	U
108-10-1	4-Methyl-2-Pentanone	24.	U
591-78-6	2-Hexanone	24.	U
127-18-4	Tetrachloroethene	24.	U
79-34-5	1,1,2,2-Tetrachloroethane	24.	U
108-88-3	Toluene	24.	U
108-90-7	Chlorobenzene	24.	U
100-41-4	Ethylbenzene	24.	U
100-42-5	Styrene	24.	U
1330-20-7	Xylene (total)	24.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X206

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2119

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 58 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.66	22.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9943

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 20 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	12.	U
67-64-1	Acetone	12.	U
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	12.	U
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	7.	J
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >H9943

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 20 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	76131	ETHANE, 1,1,2-TRICHLORO-	14.48	48.	
2.		UNKNOWN	32.78	9.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2120

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 18 Date Analyzed: 11/28/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12.	U
74-83-9	Bromomethane	12.	U
75-01-4	Vinyl Chloride	12.	U
75-00-3	Chloroethane	12.	U
75-09-2	Methylene Chloride	2.	JB
67-64-1	Acetone	7.	JB
75-15-0	Carbon Disulfide	12.	U
75-35-4	1,1-Dichloroethene	12.	U
75-34-3	1,1-Dichloroethane	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U
67-66-3	Chloroform	1.	JB
107-06-2	1,2-Dichloroethane	12.	U
78-93-3	2-Butanone	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U
56-23-5	Carbon Tetrachloride	12.	U
75-27-4	Bromodichloromethane	12.	U
78-87-5	1,2-Dichloropropane	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U
79-01-6	Trichloroethene	12.	U
124-48-1	Dibromochloromethane	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U
71-43-2	Benzene	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U
75-25-2	Bromoform	12.	U
108-10-1	4-Methyl-2-Pentanone	12.	U
591-78-6	2-Hexanone	12.	U
127-18-4	Tetrachloroethene	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U
108-88-3	Toluene	11.	J
108-90-7	Chlorobenzene	12.	U
100-41-4	Ethylbenzene	12.	U
100-42-5	Styrene	12.	U
1330-20-7	Xylene (total)	12.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >C2120

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 18 Date Analyzed: 11/28/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.000000

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.63	13.	
2.	UNKNOWN	27.72	24.	
3.	UNKNOWN	31.59	10.	
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2071

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: >C2071

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- Date Analyzed: 11/26/91

GC Column: 1%SP-1000 ID: 2 (mm) Dilution Factor: 1.00000

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 76131	ETHANE, 1,1,2-TRICHLORO-1,2,	13.67	6	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0687

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0687

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0687

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

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

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.81	2.	
2.		UNKNOWN	11.68	7.	
3.		UNKNOWN	16.69	47.	
4.		UNKNOWN	26.83	3.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0688

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0688

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0688

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.81	5.	
2.	UNKNOWN	16.64	25.	
3.	UNKNOWN	22.72	2.	
4.	UNKNOWN	29.08	3.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0691

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0691

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

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

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

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0691

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

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

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	16.47	5.	
2.		UNKNOWN	16.74	65.	
3.		UNKNOWN	29.09	6.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0692

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0692

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

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

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: >M0692

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. --- decanted:(Y/N) N Date Extracted: 11/26/91

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.82	4.	
2.	UNKNOWN	28.90	5.	
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0693

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol	420.	U
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	U
67-72-1	Hexachloroethane	420.	U
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U
91-20-3	Naphthalene	420.	U
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol	420.	U
91-57-6	2-Methylnaphthalene	420.	U
77-47-4	Hexachlorocyclopentadiene	420.	U
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	420.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0693

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	420.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	420.	U
120-12-7	Anthracene	420.	U
86-74-8	Carbazole	420.	U
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	420.	U
[illegible]	[illegible]	160.	J
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	420.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	420.	U
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	420.	U
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

X101

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0693

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.37	1800.	
2.	UNKNOWN	4.68	1300.	
3.	UNKNOWN	6.50	120.	
4.	UNKNOWN	6.75	490.	
5.	UNKNOWN	7.58	2900.	
6.	UNKNOWN	8.06	200.	
7.	UNKNOWN	8.34	2100.	
8.	UNKNOWN	8.67	2700.	
9.	UNKNOWN	8.85	420.	
10.	UNKNOWN	13.04	300.	
11.	UNKNOWN	21.39	160.	
12.	UNKNOWN PHTHALATE	24.63	240.	
13. 57103	HEXADECANOIC ACID	25.46	850.	
14.	UNKNOWN	27.48	140.	
15.	UNKNOWN	29.70	160.	
16.	UNKNOWN	30.55	170.	
17.	UNKNOWN ALKANE	34.65	220.	
18.	UNKNOWN	37.88	280.	
19.	UNKNOWN	43.04	2500.	
20.	UNKNOWN	43.72	230.	
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0694

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

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
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	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
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	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0694

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	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	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	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	1000.	U
85-01-8	[redacted]	800.	
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	430.	U
84-74-2	Di-n-butylphthalate	430.	U
206-44-0	Fluoranthene	1200.	
129-00-0	[redacted]	1200.	
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	430.	U
56-55-3	[redacted]a)anthracene	720.	
218[redacted]	[redacted]	620.	
117-81[redacted]	[redacted]ethylhexyl)phthalate	600.	
117-84-0	Di-n-octylphthalate	430.	U
205-99-2	Benzo(b)fluoranthene	970.	
207-08-9	Benzo(k)fluoranthene	450.	
50-32-8	Benzo(a)pyrene	400.	J
193-39-5	Indeno(1,2,3-cd)pyrene	300.	J
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X102

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0694

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 23 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	2400.	
2.	UNKNOWN	4.65	2000.	
3.	UNKNOWN	6.47	180.	
4.	UNKNOWN	6.72	420.	
5.	UNKNOWN	7.57	4400.	
6.	UNKNOWN	7.93	150.	
7.	UNKNOWN	8.06	200.	
8.	UNKNOWN	8.34	3200.	
9.	UNKNOWN	8.66	2800.	
10.	UNKNOWN	8.85	550.	
11.	UNKNOWN	12.20	140.	
12.	UNKNOWN	12.98	190.	
13.	UNKNOWN	13.04	520.	
14. 149575	[redacted] 2-ETHYL-	14.12	120.	
15.	UNKNOWN	18.20	100.	
16.	UNKNOWN	21.41	180.	
17.	UNKNOWN	21.96	180.	
18.	UNKNOWN PHTHALATE	24.63	250.	
19. 5710[redacted]	[redacted] ACID	25.46	680.	
20.	UNKNOWN	29.71	160.	
21.				
22.				
23.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

b Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0700

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.1

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
95-50-1	1,2-Dichlorobenzene	400.	U
95-48-7	2-Methylphenol	400.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	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
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	980.	U
91-58-7	2-Chloronaphthalene	400.	U
88-74-4	2-Nitroaniline	980.	U
131-11-3	Dimethylphthalate	400.	U
208-96-8	Acenaphthylene	400.	U
606-20-2	2,6-Dinitrotoluene	400.	U
99-09-2	3-Nitroaniline	980.	U
83-32-9	Acenaphthene	400.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0700

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980.	U
100-02-7	4-Nitrophenol	980.	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	980.	U
534-52-1	4,6-Dinitro-2-methylphenol	980.	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	980.	U
85-01-8	Phenanthrene	400.	U
120-12-7	Anthracene	400.	U
86-74-8	Carbazole	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	400.	U
56-55-3	Benzo(a)anthracene	400.	U
218-01-9	Chrysene	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate	110.	JB
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	400.	U
191-24-2	Benzo(g,h,i)perylene	400.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0700

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 18 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.1

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.41	110.	
2.		UNKNOWN	4.70	93.	
3.		UNKNOWN	8.05	280.	
4.		UNKNOWN	8.69	5300.	
5.		UNKNOWN	12.56	120.	
6.		PHENOL, BIS(1,1-DIMETHYLETHY	20.22	310.	
7.		UNKNOWN	21.40	250.	
8.		UNKNOWN	22.80	84.	
9.		UNKNOWN	22.87	90.	
10.		UNKNOWN PHTHALATE	24.64	150.	
11.	57[illegible]	[illegible]	[illegible]	[illegible]	
12.		UNKNOWN	26.11	120.	
13.		UNKNOWN	27.52	110.	
14.		UNKNOWN	27.83	87.	
15.		UNKNOWN	28.76	97.	
16.		UNKNOWN	29.71	90.	
17.		UNKNOWN	30.57	160.	
18.		UNKNOWN	33.96	370.	
19.					
20.					
21.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0703

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.7

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
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	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
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	920.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	920.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
99-09-2	3-Nitroaniline	920.	U
83-32-9	Acenaphthene	380.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0703

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 13 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920.	U
100-02-7	4-Nitrophenol	920.	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	920.	U
534-52-1	4,6-Dinitro-2-methylphenol	920.	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	920.	U
85-01-8	Phenanthrene	380.	U
120-12-7	Anthracene	380.	U
86-74-8	Carbazole	380.	U
84-74-2	Di-n-butylphthalate	380.	U
206-44-0	Fluoranthene	380.	U
129-00-0	Pyrene	380.	U
85-68-7	Butylbenzylphthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	380.	U
56-55-3	Benzo(a)anthracene	380.	U
218-01-9	Chrysene	380.	U
117-81-7	bis(2-Ethylhexyl)phthalate	130.	JB
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	380.	U
191-24-2	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0703

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 13 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.43	570.	
2.	UNKNOWN	4.71	410.	
3.	UNKNOWN	7.56	1100.	
4.	UNKNOWN	8.05	260.	
5.	UNKNOWN	8.36	710.	
6.	UNKNOWN	8.69	4600.	
7.	UNKNOWN	10.21	480.	
8.	PHENOL, BIS(1,1-DIMETHYLETHY	20.23	260.	
9.	UNKNOWN ALKANE	22.58	170.	
10. 57103	[illegible]	[illegible]	700.	
11.	UNKNOWN	26.11	100.	
12.	UNKNOWN	26.86	280.	
13.	UNKNOWN	27.52	240.	
14.	UNKNOWN	27.82	190.	
15.	UNKNOWN ALKANE	28.75	140.	
16.	UNKNOWN ADIPATE	29.74	9200.	
17.	UNKNOWN	30.50	130.	
18.	UNKNOWN	30.56	130.	
19.	UNKNOWN	33.96	250.	
20.	UNKNOWN ALKANE	34.65	450.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0695

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U
95-57-8	2-Chlorophenol	420.	U
541-73-1	1,3-Dichlorobenzene	420.	U
106-46-7	1,4-Dichlorobenzene	420.	U
95-50-1	1,2-Dichlorobenzene	420.	U
95-48-7	2-Methylphenol	420.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	420.	U
106-44-5	4-Methylphenol	420.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	U
67-72-1	Hexachloroethane	420.	U
98-95-3	Nitrobenzene	420.	U
78-59-1	Isophorone	420.	U
88-75-5	2-Nitrophenol	420.	U
105-67-9	2,4-Dimethylphenol	420.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U
120-83-2	2,4-Dichlorophenol	420.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U
91-20-3	Naphthalene	420.	U
106-47-8	4-Chloroaniline	420.	U
87-68-3	Hexachlorobutadiene	420.	U
59-50-7	4-Chloro-3-methylphenol	420.	U
91-57-6	2-Methylnaphthalene	420.	U
77-47-4	Hexachlorocyclopentadiene	420.	U
88-06-2	2,4,6-Trichlorophenol	420.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	420.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	420.	U
208-96-8	Acenaphthylene	420.	U
606-20-2	2,6-Dinitrotoluene	420.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	420.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0695

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 22 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 9.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	420.	U
121-14-2	2,4-Dinitrotoluene	420.	U
84-66-2	Diethylphthalate	420.	U
7005-72-3	4-Chlorophenyl-phenylether	420.	U
86-73-7	Fluorene	420.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	420.	U
101-55-3	4-Bromophenyl-phenylether	420.	U
118-74-1	Hexachlorobenzene	420.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	420.	U
120-12-7	Anthracene	420.	U
86-74-8	Carbazole	420.	U
84-74-2	Di-n-butylphthalate	420.	U
206-44-0	Fluoranthene	420.	U
[redacted]	[redacted]	[redacted]	[redacted]
85-68-7	Butylbenzylphthalate	420.	U
91-94-1	3,3'-Dichlorobenzidine	420.	U
56-55-3	Benzo(a)anthracene	420.	U
218-01-9	Chrysene	420.	U
117-81-7	bis(2-Ethylhexyl)phthalate	420.	U
117-84-0	Di-n-octylphthalate	420.	U
205-99-2	Benzo(b)fluoranthene	420.	U
207-08-9	Benzo(k)fluoranthene	420.	U
50-32-8	Benzo(a)pyrene	420.	U
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U
53-70-3	Dibenz(a,h)anthracene	420.	U
191-24-2	Benzo(g,h,i)perylene	420.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0695

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 22 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 9.3

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.30	1500.	
2.	UNKNOWN	4.61	1300.	
3.	UNKNOWN	6.71	470.	
4.	UNKNOWN	7.54	2900.	
5.	UNKNOWN	8.32	2100.	
6.	UNKNOWN	8.64	2400.	
7.	UNKNOWN	8.83	270.	
8.	UNKNOWN	13.04	270.	
9.	UNKNOWN ALKANE	21.28	140.	
10.	UNKNOWN	21.40	180.	
11.	UNKNOWN ALKANE	22.51	150.	
12.	UNKNOWN ALKANE	22.58	350.	
13.	UNKNOWN ALKANE	23.68	160.	
14.	UNKNOWN	24.64	150.	
15.	UNKNOWN	24.79	140.	
16.	57103 [redacted] ACID	25.46	560.	
17.	UNKNOWN	25.77	360.	
18.	UNKNOWN ALKANE	26.86	140.	
19.	UNKNOWN ALKANE	34.66	490.	
20.	UNKNOWN	37.90	360.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0704

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470.	U
111-44-4	bis(2-Chloroethyl)ether	470.	U
95-57-8	2-Chlorophenol	470.	U
541-73-1	1,3-Dichlorobenzene	470.	U
106-46-7	1,4-Dichlorobenzene	470.	U
95-50-1	1,2-Dichlorobenzene	470.	U
95-48-7	2-Methylphenol	470.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	470.	U
106-44-5	4-Methylphenol	470.	U
621-64-7	N-Nitroso-di-n-propylamine	470.	U
67-72-1	Hexachloroethane	470.	U
98-95-3	Nitrobenzene	470.	U
78-59-1	Isophorone	470.	U
88-75-5	2-Nitrophenol	470.	U
105-67-9	2,4-Dimethylphenol	470.	U
111-91-1	bis(2-Chloroethoxy)methane	470.	U
120-83-2	2,4-Dichlorophenol	470.	U
120-82-1	1,2,4-Trichlorobenzene	470.	U
91-20-3	Naphthalene	470.	U
106-47-8	4-Chloroaniline	470.	U
87-68-3	Hexachlorobutadiene	470.	U
59-50-7	4-Chloro-3-methylphenol	470.	U
91-57-6	2-Methylnaphthalene	470.	U
77-47-4	Hexachlorocyclopentadiene	470.	U
88-06-2	2,4,6-Trichlorophenol	470.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	470.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	470.	U
208-96-8	Acenaphthylene	470.	U
606-20-2	2,6-Dinitrotoluene	470.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	470.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0704

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100.	U
100-02-7	4-Nitrophenol	1100.	U
132-64-9	Dibenzofuran	470.	U
121-14-2	2,4-Dinitrotoluene	470.	U
84-66-2	Diethylphthalate	470.	U
7005-72-3	4-Chlorophenyl-phenylether	470.	U
86-73-7	Fluorene	470.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	470.	U
101-55-3	4-Bromophenyl-phenylether	470.	U
118-74-1	Hexachlorobenzene	470.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	470.	U
120-12-7	Anthracene	470.	U
86-74-8	Carbazole	470.	U
84-74-2	Di-n-butylphthalate	470.	U
206-44-0	Fluoranthene	470.	U
129-00-0	Pyrene	470.	U
85-68-7	Butylbenzylphthalate	470.	U
91-94-1	3,3'-Dichlorobenzidine	470.	U
56-55-3	Benzo(a)anthracene	470.	U
218-01-9	Chrysene	470.	U
117-81-7	bis(2-Ethylhexyl)phthalate	160.	JB
117-84-0	Di-n-octylphthalate	470.	U
205-99-2	Benzo(b)fluoranthene	470.	U
207-08-9	Benzo(k)fluoranthene	470.	U
50-32-8	Benzo(a)pyrene	470.	U
193-39-5	Indeno(1,2,3-cd)pyrene	470.	U
53-70-3	Dibenz(a,h)anthracene	470.	U
191-24-2	Benzo(g,h,i)perylene	470.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0704

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 30 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.3

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.50	1200.	
2.	UNKNOWN	4.80	1200.	
3.	UNKNOWN	7.63	3200.	
4.	UNKNOWN	8.10	200.	
5.	UNKNOWN	8.38	2300.	
6.	UNKNOWN	8.73	2900.	
7.	UNKNOWN	8.87	180.	
8.	UNKNOWN	10.25	1600.	
9.	UNKNOWN	10.56	350.	
10.	PHENOL, BIS(1,1-DIMETHYLETHY	20.23	230.	
11.	UNKNOWN	24.64	680.	
12.	UNKNOWN	25.28	300.	
13. 57103	HEXADECANOIC ACID	25.48	1600.	
14.	UNKNOWN	26.81	270.	
15.	UNKNOWN ADIPATE	29.56	550.	
16.	UNKNOWN ADIPATE	29.79	26000.	
17.	UNKNOWN ALKANE	32.32	390.	
18.	UNKNOWN	33.97	1600.	
19.	UNKNOWN ALKANE	34.66	1800.	
20.	UNKNOWN ALKANE	37.90	750.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0705

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 48 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	630.	U
111-44-4	bis(2-Chloroethyl)ether	630.	U
95-57-8	2-Chlorophenol	630.	U
541-73-1	1,3-Dichlorobenzene	630.	U
106-46-7	1,4-Dichlorobenzene	630.	U
95-50-1	1,2-Dichlorobenzene	630.	U
95-48-7	2-Methylphenol	630.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	630.	U
106-44-5	4-Methylphenol	630.	U
621-64-7	N-Nitroso-di-n-propylamine	630.	U
67-72-1	Hexachloroethane	630.	U
98-95-3	Nitrobenzene	630.	U
78-59-1	Isophorone	630.	U
88-75-5	2-Nitrophenol	630.	U
105-67-9	2,4-Dimethylphenol	630.	U
111-91-1	bis(2-Chloroethoxy)methane	630.	U
120-83-2	2,4-Dichlorophenol	630.	U
120-82-1	1,2,4-Trichlorobenzene	630.	U
91-20-3	Naphthalene	630.	U
106-47-8	4-Chloroaniline	630.	U
87-68-3	Hexachlorobutadiene	630.	U
59-50-7	4-Chloro-3-methylphenol	630.	U
91-57-6	2-Methylnaphthalene	630.	U
77-47-4	Hexachlorocyclopentadiene	630.	U
88-06-2	2,4,6-Trichlorophenol	630.	U
95-95-4	2,4,5-Trichlorophenol	1500.	U
91-58-7	2-Chloronaphthalene	630.	U
88-74-4	2-Nitroaniline	1500.	U
131-11-3	Dimethylphthalate	630.	U
208-96-8	Acenaphthylene	630.	U
606-20-2	2,6-Dinitrotoluene	630.	U
99-09-2	3-Nitroaniline	1500.	U
83-32-9	Acenaphthene	630.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0705

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 48 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1500.	U
100-02-7	4-Nitrophenol	1500.	U
132-64-9	Dibenzofuran	630.	U
121-14-2	2,4-Dinitrotoluene	630.	U
84-66-2	Diethylphthalate	630.	U
7005-72-3	4-Chlorophenyl-phenylether	630.	U
86-73-7	Fluorene	630.	U
100-01-6	4-Nitroaniline	1500.	U
534-52-1	4,6-Dinitro-2-methylphenol	1500.	U
86-30-6	N-Nitrosodiphenylamine (1)	630.	U
101-55-3	4-Bromophenyl-phenylether	630.	U
118-74-1	Hexachlorobenzene	630.	U
87-86-5	Pentachlorophenol	1500.	U
85-01-8	Phenanthrene	400.	J
120-12-7	Anthracene	630.	U
86-74-8	Carbazole	630.	U
84-74-2	Di-n-butylphthalate	630.	U
206-44-0	Fluoranthene	670.	
129-00-0	Pyrene	580.	J
85-68-7	Butylbenzylphthalate	630.	U
91-94-1	3,3'-Dichlorobenzidine	630.	U
56-55-3	Benzo(a)anthracene	330.	J
218-01-9	Chrysene	330.	J
117-81-7	bis(2-Ethylhexyl)phthalate	170.	JB
117-84-0	Di-n-octylphthalate	630.	U
205-99-2	Benzo(b)fluoranthene	320.	J
207-08-9	Benzo(k)fluoranthene	220.	J
50-32-8	Benzo(a)pyrene	250.	J
193-39-5	Indeno(1,2,3-cd)pyrene	630.	U
53-70-3	Dibenz(a,h)anthracene	630.	U
191-24-2	Benzo(g,h,i)perylene	630.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0705

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 48 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.43	1400.	
2.	UNKNOWN	4.74	1700.	
3.	UNKNOWN	7.59	2900.	
4.	UNKNOWN	8.06	250.	
5.	UNKNOWN	8.34	1900.	
6.	UNKNOWN	8.71	4000.	
7.	UNKNOWN	10.23	1000.	
8.	UNKNOWN	13.03	360.	
9.	UNKNOWN	17.61	290.	
10.	UNKNOWN	18.80	460.	
11.	PHENOL, BIS(1,1-DIMETHYLETHY	20.23	380.	
12.	UNKNOWN	24.65	380.	
13. 57103	HEXADECANOIC ACID	25.47	1600.	
14.	UNKNOWN	26.69	620.	
15.	UNKNOWN ADIPATE	29.56	530.	
16.	UNKNOWN ADIPATE	29.81	35000.	
17.	UNKNOWN	33.98	540.	
18.	UNKNOWN ALKANE	34.68	1400.	
19.	UNKNOWN	37.92	1200.	
20.	UNKNOWN	43.05	450.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0706

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 24 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

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
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	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
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	1000.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	430.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0706

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 24 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	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	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	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	1000.	U
85-01-8	Phenanthrene	430.	U
120-12-7	Anthracene	430.	U
86-74-8	Carbazole	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	430.	U
56-55-3	Benzo(a)anthracene	430.	U
218-01-9	Chrysene	430.	U
117-81-7	bis(2-Ethylhexyl)phthalate	230.	JB
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	430.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

X203

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0706

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 24 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.39	680.	
2.	UNKNOWN	4.69	620.	
3.	UNKNOWN	7.57	1300.	
4.	UNKNOWN	8.32	380.	
5.	UNKNOWN	8.69	2700.	
6.	UNKNOWN	10.21	200.	
7.	UNKNOWN	17.62	550.	
8.	UNKNOWN	18.82	260.	
9.	PHENOL, BIS (1,1-DIMETHYLETH	20.24	300.	
10.	UNKNOWN	24.66	320.	
11.	UNKNOWN	25.29	290.	
12. 57103	[redacted]	[redacted]	[redacted]	
13.	UNKNOWN	27.49	200.	
14.	UNKNOWN	28.76	350.	
15.	UNKNOWN	29.57	790.	
16.	UNKNOWN ADIPATE	29.81	43000.	
17.	UNKNOWN	32.32	320.	
18.	UNKNOWN	33.97	710.	
19.	UNKNOWN ALKANE	34.67	890.	
20.	UNKNOWN ALKANE	37.92	700.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0707

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 39 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	540.	U
111-44-4	bis(2-Chloroethyl)ether	540.	U
95-57-8	2-Chlorophenol	540.	U
541-73-1	1,3-Dichlorobenzene	540.	U
106-46-7	1,4-Dichlorobenzene	540.	U
95-50-1	1,2-Dichlorobenzene	540.	U
95-48-7	2-Methylphenol	540.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	540.	U
106-44-5	4-Methylphenol	540.	U
621-64-7	N-Nitroso-di-n-propylamine	540.	U
67-72-1	Hexachloroethane	540.	U
98-95-3	Nitrobenzene	540.	U
78-59-1	Isophorone	540.	U
88-75-5	2-Nitrophenol	540.	U
105-67-9	2,4-Dimethylphenol	540.	U
111-91-1	bis(2-Chloroethoxy)methane	540.	U
120-83-2	2,4-Dichlorophenol	540.	U
120-82-1	1,2,4-Trichlorobenzene	540.	U
91-20-3	Naphthalene	540.	U
106-47-8	4-Chloroaniline	540.	U
87-68-3	Hexachlorobutadiene	540.	U
59-50-7	4-Chloro-3-methylphenol	540.	U
91-57-6	2-Methylnaphthalene	540.	U
77-47-4	Hexachlorocyclopentadiene	540.	U
88-06-2	2,4,6-Trichlorophenol	540.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U
91-58-7	2-Chloronaphthalene	540.	U
88-74-4	2-Nitroaniline	1300.	U
131-11-3	Dimethylphthalate	540.	U
208-96-8	Acenaphthylene	540.	U
606-20-2	2,6-Dinitrotoluene	540.	U
99-09-2	3-Nitroaniline	1300.	U
83-32-9	Acenaphthene	540.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0707

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 39 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300.	U
100-02-7	4-Nitrophenol	1300.	U
132-64-9	Dibenzofuran	540.	U
121-14-2	2,4-Dinitrotoluene	540.	U
84-66-2	Diethylphthalate	540.	U
7005-72-3	4-Chlorophenyl-phenylether	540.	U
86-73-7	Fluorene	540.	U
100-01-6	4-Nitroaniline	1300.	U
534-52-1	4,6-Dinitro-2-methylphenol	1300.	U
86-30-6	N-Nitrosodiphenylamine (1)	540.	U
101-55-3	4-Bromophenyl-phenylether	540.	U
118-74-1	Hexachlorobenzene	540.	U
87-86-5	Pentachlorophenol	1300.	U
85-01-8	Phenanthrene	540.	U
120-12-7	Anthracene	540.	U
86-74-8	Carbazole	540.	U
84-74-2	Di-n-butylphthalate	540.	U
206-44-0	Fluoranthene	540.	U
129-00-0	Pyrene	540.	U
85-68-7	Butylbenzylphthalate	540.	U
91-94-1	3,3'-Dichlorobenzidine	540.	U
56-55-3	Benzo(a)anthracene	540.	U
218-01-9	Chrysene	540.	U
117-81-7	bis(2-Ethylhexyl)phthalate	200.	JB
117-84-0	Di-n-octylphthalate	540.	U
205-99-2	Benzo(b)fluoranthene	540.	U
207-08-9	Benzo(k)fluoranthene	540.	U
50-32-8	Benzo(a)pyrene	540.	U
193-39-5	Indeno(1,2,3-cd)pyrene	540.	U
53-70-3	Dibenz(a,h)anthracene	540.	U
191-24-2	Benzo(g,h,i)perylene	540.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X204

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0707

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 39 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.45	1300.	
2.	UNKNOWN	4.74	1100.	
3.	UNKNOWN	7.60	3600.	
4.	UNKNOWN	8.07	340.	
5.	UNKNOWN	8.35	2500.	
6.	UNKNOWN	8.71	5200.	
7.	UNKNOWN	8.86	180.	
8.	UNKNOWN	10.23	1000.	
9.	UNKNOWN	12.34	170.	
10.	PHENOL, BIS(1,1-DIMETHYLETHY	20.24	280.	
11.	UNKNOWN	24.66	370.	
12.	UNKNOWN	25.28	150.	
13. 57103	HEXADECANOIC ACID	25.46	800.	
14.	UNKNOWN	26.11	220.	
15.	UNKNOWN	27.49	180.	
16.	UNKNOWN	28.77	290.	
17.	UNKNOWN ADIPATE	29.82	38000.	
18.	UNKNOWN	32.33	220.	
19.	UNKNOWN	33.98	800.	
20.	UNKNOWN	34.67	400.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0708

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 67 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1000.	U
111-44-4	bis(2-Chloroethyl)ether	1000.	U
95-57-8	2-Chlorophenol	1000.	U
541-73-1	1,3-Dichlorobenzene	1000.	U
106-46-7	1,4-Dichlorobenzene	1000.	U
95-50-1	1,2-Dichlorobenzene	1000.	U
95-48-7	2-Methylphenol	1000.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	1000.	U
106-44-5	4-Methylphenol	1000.	U
621-64-7	N-Nitroso-di-n-propylamine	1000.	U
67-72-1	Hexachloroethane	1000.	U
98-95-3	Nitrobenzene	1000.	U
78-59-1	Isophorone	1000.	U
88-75-5	2-Nitrophenol	1000.	U
105-67-9	2,4-Dimethylphenol	1000.	U
111-91-1	bis(2-Chloroethoxy)methane	1000.	U
120-83-2	2,4-Dichlorophenol	1000.	U
120-82-1	1,2,4-Trichlorobenzene	1000.	U
91-20-3	Naphthalene	1000.	U
106-47-8	4-Chloroaniline	1000.	U
87-68-3	Hexachlorobutadiene	1000.	U
59-50-7	4-Chloro-3-methylphenol	1000.	U
91-57-6	2-Methylnaphthalene	1000.	U
77-47-4	Hexachlorocyclopentadiene	1000.	U
88-06-2	2,4,6-Trichlorophenol	1000.	U
95-95-4	2,4,5-Trichlorophenol	2400.	U
91-58-7	2-Chloronaphthalene	1000.	U
88-74-4	2-Nitroaniline	2400.	U
131-11-3	Dimethylphthalate	1000.	U
208-96-8	Acenaphthylene	1000.	U
606-20-2	2,6-Dinitrotoluene	1000.	U
99-09-2	3-Nitroaniline	2400.	U
83-32-9	Acenaphthene	1000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0708

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 67 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2400.	U
100-02-7	4-Nitrophenol	2400.	U
132-64-9	Dibenzofuran	1000.	U
121-14-2	2,4-Dinitrotoluene	1000.	U
84-66-2	Diethylphthalate	1000.	U
7005-72-3	4-Chlorophenyl-phenylether	1000.	U
86-73-7	Fluorene	1000.	U
100-01-6	4-Nitroaniline	2400.	U
534-52-1	4,6-Dinitro-2-methylphenol	2400.	U
86-30-6	N-Nitrosodiphenylamine (1)	1000.	U
101-55-3	4-Bromophenyl-phenylether	1000.	U
118-74-1	Hexachlorobenzene	1000.	U
87-86-5	Pentachlorophenol	2400.	U
85-01-8	Phenanthrene	1000.	U
120-12-7	Anthracene	1000.	U
86-74-8	Carbazole	1000.	U
84-74-2	Di-n-butylphthalate	1000.	U
206-44-0	Fluoranthene	1000.	U
129-00-0	Pyrene	1000.	U
85-68-7	Butylbenzylphthalate	1000.	U
91-94-1	3,3'-Dichlorobenzidine	1000.	U
56-55-3	Benzo(a)anthracene	1000.	U
218-01-9	Chrysene	1000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	460.	JB
117-84-0	Di-n-octylphthalate	1000.	U
205-99-2	Benzo(b)fluoranthene	1000.	U
207-08-9	Benzo(k)fluoranthene	1000.	U
50-32-8	Benzo(a)pyrene	1000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	1000.	U
53-70-3	Dibenz(a,h)anthracene	1000.	U
191-24-2	Benzo(g,h,i)perylene	1000.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

X205

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0708

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 67 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 6.5

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.48	4200.	
2.	UNKNOWN	4.78	4500.	
3.	UNKNOWN	7.61	8700.	
4.	UNKNOWN	8.08	720.	
5.	UNKNOWN	8.36	5700.	
6.	UNKNOWN	8.72	12000.	
7.	UNKNOWN	8.87	570.	
8.	UNKNOWN	10.23	3000.	
9.	UNKNOWN	10.57	590.	
10.	UNKNOWN	12.22	750.	
11.	UNKNOWN	13.04	1100.	
12.	UNKNOWN	17.62	730.	
13.	UNKNOWN	18.81	530.	
14.	PHENOL, BIS(1,1-DIMETHYLETHY	20.23	660.	
15.	UNKNOWN	21.41	440.	
16.	UNKNOWN	23.21	350.	
17.	UNKNOWN	24.65	840.	
18.	UNKNOWN	25.29	940.	
19. 571[redacted]		[redacted]	[redacted]	
20.	UNKNOWN ALKANE	32.95	4500.	
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22.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0709

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 58 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	790.	U
111-44-4	bis(2-Chloroethyl)ether	790.	U
95-57-8	2-Chlorophenol	790.	U
541-73-1	1,3-Dichlorobenzene	790.	U
106-46-7	1,4-Dichlorobenzene	790.	U
95-50-1	1,2-Dichlorobenzene	790.	U
95-48-7	2-Methylphenol	790.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	790.	U
106-44-5	4-Methylphenol	790.	U
621-64-7	N-Nitroso-di-n-propylamine	790.	U
67-72-1	Hexachloroethane	790.	U
98-95-3	Nitrobenzene	790.	U
78-59-1	Isophorone	790.	U
88-75-5	2-Nitrophenol	790.	U
105-67-9	2,4-Dimethylphenol	790.	U
111-91-1	bis(2-Chloroethoxy)methane	790.	U
120-83-2	2,4-Dichlorophenol	790.	U
120-82-1	1,2,4-Trichlorobenzene	790.	U
91-20-3	Naphthalene	790.	U
106-47-8	4-Chloroaniline	790.	U
87-68-3	Hexachlorobutadiene	790.	U
59-50-7	4-Chloro-3-methylphenol	790.	U
91-57-6	2-Methylnaphthalene	790.	U
77-47-4	Hexachlorocyclopentadiene	790.	U
88-06-2	2,4,6-Trichlorophenol	790.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	790.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	790.	U
208-96-8	Acenaphthylene	790.	U
606-20-2	2,6-Dinitrotoluene	790.	U
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	790.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0709

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 58 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	790.	U
121-14-2	2,4-Dinitrotoluene	790.	U
84-66-2	Diethylphthalate	790.	U
7005-72-3	4-Chlorophenyl-phenylether	790.	U
86-73-7	Fluorene	790.	U
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	790.	U
101-55-3	4-Bromophenyl-phenylether	790.	U
118-74-1	Hexachlorobenzene	790.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	1400.	
120-12-7	Anthracene	250.	J
86-74-8	Carbazole	790.	U
84-74-2	Di-n-butylphthalate	790.	U
206-44-0	Fluoranthene	2300.	
129-00-0	Pyrene	2000.	
85-68-7	Butylbenzylphthalate	790.	U
91-94-1	3,3'-Dichlorobenzidine	790.	U
56-55-3	Benzo(a)anthracene	1100.	
218-01-9	Chrysene	1100.	
117-81-7	bis(2-Ethylhexyl)phthalate	580.	JB
117-84-0	Di-n-octylphthalate	790.	U
205-99-2	Benzo(b)fluoranthene	1600.	
207-08-9	Benzo(k)fluoranthene	420.	J
50-32-8	Benzo(a)pyrene	1000.	
193-39-5	Indeno(1,2,3-cd)pyrene	790.	U
53-70-3	Dibenz(a,h)anthracene	790.	U
191-24-2	Benzo(g,h,i)perylene	790.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X206

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0709

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 58 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.6

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.50	3800.	
2.	UNKNOWN	4.80	4400.	
3.	UNKNOWN	7.62	7300.	
4.	UNKNOWN	8.08	700.	
5.	UNKNOWN	8.36	4900.	
6.	UNKNOWN	8.73	10000.	
7.	UNKNOWN	8.87	560.	
8.	UNKNOWN	10.24	2900.	
9.	UNKNOWN	10.58	790.	
10.	UNKNOWN	12.23	650.	
11.	UNKNOWN	13.04	810.	
12.	UNKNOWN	17.62	450.	
13.	UNKNOWN	18.80	370.	
14.	PHENOL, BIS(1,1-DIMETHYLETHY	20.23	520.	
15.	UNKNOWN	21.41	280.	
16.	UNKNOWN ALKANE	22.52	1600.	
17.	UNKNOWN	24.66	870.	
18. 57103	[redacted]C ACID	25.48	1600.	
19.	UNKNOWN	25.67	390.	
20.	UNKNOWN PAH	26.65	270.	
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0696

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-Chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	410.	U
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	410.	U
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	410.	U
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	1000.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U
99-09-2	3-Nitroaniline	1000.	U
83-32-9	Acenaphthene	410.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0696

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000.	U
100-02-7	4-Nitrophenol	1000.	U
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	410.	U
100-01-6	4-Nitroaniline	1000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1000.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	1000.	U
85-01-8	Phenanthrene	410.	U
120-12-7	Anthracene	410.	U
86-74-8	Carbazole	410.	U
84-74-2	Di-n-butylphthalate	410.	U
206-44-0	Fluoranthene	410.	U
129-00-0	Pyrene	410.	U
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U
56-55-3	Benzo(a)anthracene	410.	U
218-01-9	Chrysene	410.	U
117-81-7	[illegible]-Ethylhexyl)phthalate	120.	J
117-84-0	Di-n-octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	410.	U
207-08-9	Benzo(k)fluoranthene	410.	U
50-32-8	Benzo(a)pyrene	410.	U
193-39-5	Indeno(1,2,3-cd)pyrene	410.	U
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	410.	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0696

Level: (low/med) LOW Date Received: 11/21/91

% Moisture: not dec. 20 decanted:(Y/N) N Date Extracted: 11/25/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/06/91

Injection Volume: 2.0000 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	1100.	
2.	UNKNOWN	4.64	840.	
3.	UNKNOWN	6.73	480.	
4.	UNKNOWN	7.56	2100.	
5.	UNKNOWN	8.04	190.	
6.	UNKNOWN	8.32	1500.	
7.	UNKNOWN	8.66	3000.	
8.	UNKNOWN	8.84	180.	
9.	UNKNOWN	13.04	160.	
10.	UNKNOWN	17.62	120.	
11.	UNKNOWN	19.98	96.	
12.	UNKNOWN	21.41	180.	
13.	UNKNOWN ALKANE	22.51	250.	
14.	UNKNOWN	22.59	180.	
15.	UNKNOWN ALKANE	23.03	120.	
16.	UNKNOWN ALKANE	23.80	120.	
17.	UNKNOWN PHTHALATE	24.64	300.	
18. 57103	[redacted] ACID	25.47	900.	
19.	UNKNOWN	26.86	130.	
20.	UNKNOWN	34.66	370.	
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0710

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 7.5

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
95-50-1	1,2-Dichlorobenzene	400.	U
95-48-7	2-Methylphenol	400.	U
108/60-1	2,2'-oxybis(1-Chloropropane)	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
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	980.	U
91-58-7	2-Chloronaphthalene	400.	U
88-74-4	2-Nitroaniline	980.	U
131-11-3	Dimethylphthalate	400.	U
208-96-8	Acenaphthylene	400.	U
606-20-2	2,6-Dinitrotoluene	400.	U
99-09-2	3-Nitroaniline	980.	U
83-32-9	Acenaphthene	400.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0710

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980.	U
100-02-7	4-Nitrophenol	980.	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	980.	U
534-52-1	4,6-Dinitro-2-methylphenol	980.	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	980.	U
85-01-8	Phenanthrene	400.	U
120-12-7	Anthracene	400.	U
86-74-8	Carbazole	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	400.	U
56-55-3	Benzo(a)anthracene	400.	U
218-01-9	Chrysene	400.	U
117-81-7	bis(2-Ethylhexyl)phthalate	130.	JB
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	400.	U
191-24-2	Benzo(g,h,i)perylene	400.	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M0710

Level: (low/med) LOW Date Received: 11/22/91

% Moisture: not dec. 18 decanted:(Y/N) N Date Extracted: 12/02/91

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/07/91

Injection Volume: 2.0 (uL) Dilution Factor: 1.00000

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.45	710.	
2.	UNKNOWN	4.74	600.	
3.	UNKNOWN	7.57	1100.	
4.	UNKNOWN	8.06	270.	
5.	UNKNOWN	8.38	500.	
6.	UNKNOWN	8.70	4800.	
7.	UNKNOWN	10.22	460.	
8.	UNKNOWN	10.57	110.	
9.	UNKNOWN	12.59	110.	
10.	PHENOL, BIS(1,1-DIMETHYLETHY	20.23	340.	
11.	UNKNOWN	21.40	240.	
12.	UNKNOWN ALKANE	22.51	110.	
13.	UNKNOWN	22.58	120.	
14.	UNKNOWN	24.66	300.	
15.	UNKNOWN ALKANE	24.80	110.	
16.	UNKNOWN	25.28	140.	
17. 57103	[redacted]IC ACID	25.47	960.	
18.	UNKNOWN ALKANE	25.86	100.	
19.	UNKNOWN	26.11	140.	
20.	UNKNOWN	33.98	420.	
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.059	
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	3.9	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	16	
72-20-8	Endrin	10	P
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	3.1	P
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	12	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	21	
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	43	U
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	43	U
7421-36-3	Endrin aldehyde	43	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	870	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	2800	
11096-82-5	Aroclor-1260	1100	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	170	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	81	
11096-82-5	Aroclor-1260	47	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 48 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.3	U
319-85-7	beta-BHC	3.3	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	3.3	U
1024-57-3	Heptachlor epoxide	3.3	U
959-98-8	Endosulfan I	3.3	U
60-57-1	Dieldrin	6.3	U
72-55-9	4,4'-DDE	6.3	U
72-20-8	Endrin	6.3	U
33213-65-9	Endosulfan II	6.3	U
72-54-8	4,4'-DDD	6.3	U
1031-07-8	Endosulfan sulfate	6.3	U
50-29-3	4,4'-DDT	6.3	U
72-43-5	Methoxychlor	33	U
53494-70-5	Endrin ketone	6.3	U
7421-36-3	Endrin aldehyde	6.3	U
5103-71-9	alpha-Chlordane	3.3	U
5103-74-2	gamma-Chlordane	3.3	U
8001-35-2	Toxaphene	330	U
12674-11-2	Aroclor-1016	63	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	63	U
53469-21-9	Aroclor-1242	63	U
12672-29-6	Aroclor-1248	63	U
11097-69-1	Aroclor-1254	63	U
11096-82-5	Aroclor-1260	63	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 39 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.4	U
72-55-9	4,4'-DDE	5.4	U
72-20-8	Endrin	5.4	U
33213-65-9	Endosulfan II	5.4	U
72-54-8	4,4'-DDD	5.4	U
1031-07-8	Endosulfan sulfate	5.4	U
50-29-3	4,4'-DDT	5.4	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.4	U
7421-36-3	Endrin aldehyde	5.4	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	54	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	54	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 67 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	52	U
319-85-7	beta-BHC	52	U
319-86-8	delta-BHC	52	U
58-89-9	gamma-BHC (Lindane)	52	U
76-44-8	Heptachlor	52	U
309-00-2	Aldrin	52	U
1024-57-3	Heptachlor epoxide	52	U
959-98-8	Endosulfan I	52	U
60-57-1	Dieldrin	100	U
72-55-9	4,4'-DDE	100	U
72-20-8	Endrin	100	U
33213-65-9	Endosulfan II	100	U
72-54-8	4,4'-DDD	100	U
1031-07-8	Endosulfan sulfate	100	U
50-29-3	4,4'-DDT	100	U
72-43-5	Methoxychlor	520	U
53494-70-5	Endrin ketone	100	U
7421-36-3	Endrin aldehyde	100	U
5103-71-9	alpha-Chlordane	52	U
5103-74-2	gamma-Chlordane	52	U
8001-35-2	Toxaphene	5200	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	2000	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	1000	U
11096-82-5	Aroclor-1260	1000	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 58 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

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

CAS.NO.	COMPOUND		Q
319-84-6	alpha-BHC	40	U
319-85-7	beta-BHC	40	U
319-86-8	delta-BHC	40	U
58-89-9	gamma-BHC (Lindane)	40	U
76-44-8	Heptachlor	40	U
309-00-2	Aldrin	40	U
1024-57-3	Heptachlor epoxide	40	U
959-98-8	Endosulfan I	40	U
60-57-1	Dieldrin	80	U
72-55-9	4,4'-DDE	80	U
72-20-8	Endrin	80	U
33213-65-9	Endosulfan II	80	U
72-54-8	4,4'-DDD	80	U
1031-07-8	Endosulfan sulfate	80	U
50-29-3	4,4'-DDT	80	U
72-43-5	Methoxychlor	400	U
53494-70-5	Endrin ketone	80	U
7421-36-3	Endrin aldehyde	80	U
5103-71-9	alpha-Chlordane	40	U
5103-74-2	gamma-Chlordane	40	U
8001-35-2	Toxaphene	4000	U
12674-11-2	Aroclor-1016	790	U
11104-28-2	Aroclor-1221	1600	U
11141-16-5	Aroclor-1232	790	U
53469-21-9	Aroclor-1242	790	U
12672-29-6	Aroclor-1248	790	U
11097-69-1	Aroclor-1254	2900	
11096-82-5	Aroclor-1260	790	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	240	
11096-82-5	Aroclor-1260	230	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-5

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-6

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-7

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G112

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) WATER Lab Sample ID: 200249-8

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

% Moisture: -- decanted: (Y/N) - Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/91

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/27/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.059	
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	3.9	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	16	
72-20-8	Endrin	10	P
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	3.1	P
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	12	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	21	
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	43	U
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	43	U
7421-36-3	Endrin aldehyde	43	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	870	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	2800	
11096-82-5	Aroclor-1260	1100	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X105

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.3 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	170	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
72-54-8	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	81	
11096-82-5	Aroclor-1260	47	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 48 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	3.3	U
319-85-7	beta-BHC	3.3	U
319-86-8	delta-BHC	3.3	U
58-89-9	gamma-BHC (Lindane)	3.3	U
76-44-8	Heptachlor	3.3	U
309-00-2	Aldrin	3.3	U
1024-57-3	Heptachlor epoxide	3.3	U
959-98-8	Endosulfan I	3.3	U
60-57-1	Dieldrin	6.3	U
72-55-9	4,4'-DDE	6.3	U
72-20-8	Endrin	6.3	U
33213-65-9	Endosulfan II	6.3	U
72-54-8	4,4'-DDD	6.3	U
1031-07-8	Endosulfan sulfate	6.3	U
50-29-3	4,4'-DDT	6.3	U
72-43-5	Methoxychlor	33	U
53494-70-5	Endrin ketone	6.3	U
7421-36-3	Endrin aldehyde	6.3	U
5103-71-9	alpha-Chlordane	3.3	U
5103-74-2	gamma-Chlordane	3.3	U
8001-35-2	Toxaphene	330	U
12674-11-2	Aroclor-1016	63	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	63	U
53469-21-9	Aroclor-1242	63	U
12672-29-6	Aroclor-1248	63	U
11097-69-1	Aroclor-1254	63	U
11096-82-5	Aroclor-1260	63	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	43	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 39 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.4	U
72-55-9	4,4'-DDE	5.4	U
72-20-8	Endrin	5.4	U
33213-65-9	Endosulfan II	5.4	U
72-54-8	4,4'-DDD	5.4	U
1031-07-8	Endosulfan sulfate	5.4	U
50-29-3	4,4'-DDT	5.4	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.4	U
7421-36-3	Endrin aldehyde	5.4	U
5103-71-9	alpha-Chlordane	2.8	U
5103-74-2	gamma-Chlordane	2.8	U
8001-35-2	Toxaphene	280	U
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	54	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	54	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET.

EPA SAMPLE NO.

X205DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 67 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 6.5 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	52	U
319-85-7	beta-BHC	52	U
319-86-8	delta-BHC	52	U
58-89-9	gamma-BHC (Lindane)	52	U
76-44-8	Heptachlor	52	U
309-00-2	Aldrin	52	U
1024-57-3	Heptachlor epoxide	52	U
959-98-8	Endosulfan I	52	U
60-57-1	Dieldrin	100	U
72-55-9	4,4'-DDE	100	U
72-20-8	Endrin	100	U
33213-65-9	Endosulfan II	100	U
72-54-8	4,4'-DDD	100	U
1031-07-8	Endosulfan sulfate	100	U
50-29-3	4,4'-DDT	100	U
72-43-5	Methoxychlor	520	U
53494-70-5	Endrin ketone	100	U
7421-36-3	Endrin aldehyde	100	U
5103-71-9	alpha-Chlordane	52	U
5103-74-2	gamma-Chlordane	52	U
8001-35-2	Toxaphene	5200	U
12674-11-2	Aroclor-1016	1000	U
11104-28-2	Aroclor-1221	2000	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	1000	U
11096-82-5	Aroclor-1260	1000	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X206DL

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 58 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/91

Injection Volume: 2 (uL) Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: 8.6 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	40	U
319-85-7	beta-BHC	40	U
319-86-8	delta-BHC	40	U
58-89-9	gamma-BHC (Lindane)	40	U
76-44-8	Heptachlor	40	U
309-00-2	Aldrin	40	U
1024-57-3	Heptachlor epoxide	40	U
959-98-8	Endosulfan I	40	U
60-57-1	Dieldrin	80	U
72-55-9	4,4'-DDE	80	U
72-20-8	Endrin	80	U
33213-65-9	Endosulfan II	80	U
72-54-8	4,4'-DDD	80	U
1031-07-8	Endosulfan sulfate	80	U
50-29-3	4,4'-DDT	80	U
72-43-5	Methoxychlor	400	U
53494-70-5	Endrin ketone	80	U
7421-36-3	Endrin aldehyde	80	U
5103-71-9	alpha-Chlordane	40	U
5103-74-2	gamma-Chlordane	40	U
8001-35-2	Toxaphene	4000	U
12674-11-2	Aroclor-1016	790	U
11104-28-2	Aroclor-1221	1600	U
11141-16-5	Aroclor-1232	790	U
53469-21-9	Aroclor-1242	790	U
12672-29-6	Aroclor-1248	790	U
11097-69-1	Aroclor-1254	2900	
11096-82-5	Aroclor-1260	790	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X207

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: G101

Matrix: (soil/water) SOIL Lab Sample ID: 200249-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 11/21/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/25/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	240	
11096-82-5	Aroclor-1260	230	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X208

Lab Name: ARDL, INC. Contract: CAVUS CHEM CO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: X103

Matrix: (soil/water) SOIL Lab Sample ID: 200250-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 11/22/91

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/02/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/04/91

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U