1630200005-
Sauget
SA 1 & 2
154097

ARDL Inc. applied research & development laboratory

CHEMISTRY • BIOLOGY • PHYSIOLOGY
ENGINEERING • ENVIRONMENTAL ANALYSIS

24 November 1994

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

SUBJECT: Data Package Submittal
Facility: Sauget SA 1 & 2
ARDL ID No.: 2343
Site Inventory No.: 1630200005
Due Date: 12/09/94

Dear Mr. Turpin:

Enclosed please find ARDL's data package for analyses performed on samples delivered to our laboratory on 11/09/94. 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

Enclosure

RECEIVED
DEC 09 1994
IEPA/DLPC

P.O. Box 1566 • Mt. Vernon Airport, Route 15 East • Mt. Vernon, Illinois 62864 • (618) 244-3235 • FAX (618) 244-1149
"Test Everything - Keep The Good" 1 Thes. 5:21

U.S. EPA - CLP

'54097

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

X101

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-1

Level (low/med): LOW Date Received: 11/09/94

% Solids: 74.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10700		*	P
7440-36-0	Antimony	157		N *	P
7440-38-2	Arsenic	13.7		N * S	F
7440-39-3	Barium	1220		N *	P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	2260		*	P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	3650		*	P
7440-48-4	Cobalt	18.7			P
7440-50-8	Copper	324			P
7439-89-6	Iron	63500		*	P
7439-92-1	Lead	7690		*	P
7439-95-4	Magnesium	2940			P
7439-96-5	Manganese	606			P
7439-97-6	Mercury	4.9			CV
7440-02-0	Nickel	153		N *	P
7440-09-7	Potassium	1310	B		P
7782-49-2	Selenium	59.9		* S	F
7440-22-4	Silver	3.3		N	P
7440-23-5	Sodium	268	B		P
7440-28-0	Thallium	0.27	U		F
7440-62-2	Vanadium	7.3	B		P
7440-66-6	Zinc	7290		*	P
	Cyanide	3.3			C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES, LEAVES AND ROOTS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-1

Level (low/med): LOW Date Received: 11/09/94

% Solids: 74.2

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	82.4			
	Sulfide	26.9	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-2

Level (low/med): LOW Date Received: 11/09/94

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5710		*	P
7440-36-0	Antimony	5.2	U	N *	P
7440-38-2	Arsenic	1.4	B	N * S	F
7440-39-3	Barium	141		N *	P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	3.9		*	P
7440-70-2	Calcium	18000			P
7440-47-3	Chromium	12.1		*	P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	18.7			P
7439-89-6	Iron	11600		*	P
7439-92-1	Lead	152		*	P
7439-95-4	Magnesium	4250			P
7439-96-5	Manganese	372			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	17.6		N *	P
7440-09-7	Potassium	1030	B		P
7782-49-2	Selenium	0.26	U	* W	F
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	233	U		P
7440-28-0	Thallium	0.26	U		F
7440-62-2	Vanadium	16.0			P
7440-66-6	Zinc	689		*	P
	Cyanide	0.61	U		C

Color Before: GRAY/BROW Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES, LEAVES AND ROOTS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-2

Level (low/med): LOW Date Received: 11/09/94

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	51.4	U		
	Sulfide	25.5	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-3

Level (low/med): LOW Date Received: 11/09/94

% Solids: 74.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3240		*	P
7440-36-0	Antimony	17900		N *	P
7440-38-2	Arsenic	216		N * S	F
7440-39-3	Barium	1680		N *	P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	8.7		*	P
7440-70-2	Calcium	10300			P
7440-47-3	Chromium	142		*	P
7440-48-4	Cobalt	13.3	B		P
7440-50-8	Copper	1630			P
7439-89-6	Iron	80500		*	P
7439-92-1	Lead	195000		*	P
7439-95-4	Magnesium	1350			P
7439-96-5	Manganese	1270			P
7439-97-6	Mercury	0.25			CV
7440-02-0	Nickel	101		N *	P
7440-09-7	Potassium	446	B		P
7782-49-2	Selenium	1.3	U	* E	F
7440-22-4	Silver	30.2		N	P
7440-23-5	Sodium	242	U		P
7440-28-0	Thallium	0.89	B		F
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	9520		*	P
	Cyanide	2.8			C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES, LEAVES AND ROOTS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-3

Level (low/med): LOW Date Received: 11/09/94

% Solids: 74.4

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	55.9			
	Sulfide	26.7	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-4

Level (low/med): LOW Date Received: 11/09/94

% Solids: 71.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3500		*	P
7440-36-0	Antimony	5.6	U	N *	P
7440-38-2	Arsenic	1.6	B	N * W	F
7440-39-3	Barium	63.3		N *	P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	1.1	B	*	P
7440-70-2	Calcium	152000			P
7440-47-3	Chromium	5.8		*	P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	7.6			P
7439-89-6	Iron	5450		*	P
7439-92-1	Lead	18100		*	P
7439-95-4	Magnesium	4600			P
7439-96-5	Manganese	275			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	8.1	B	N *	P
7440-09-7	Potassium	604	B		P
7782-49-2	Selenium	1.4	U	* W	F
7440-22-4	Silver	1.4	U	N	P
7440-23-5	Sodium	810	B		P
7440-28-0	Thallium	0.28	U		F
7440-62-2	Vanadium	7.6	B		P
7440-66-6	Zinc	95.0		*	P
	Cyanide	0.70	U		C

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

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: WOOD

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-4

Level (low/med): LOW Date Received: 11/09/94

% Solids: 71.7

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	54.8	U		
	Sulfide	27.9	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-5

Level (low/med): LOW Date Received: 11/09/94

% Solids: 75.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	237		*	P
7440-36-0	Antimony	5.3	U	N *	P
7440-38-2	Arsenic	0.47	B	N *	F
7440-39-3	Barium	188		N *	P
7440-41-7	Beryllium	0.26	U		P
7440-43-9	Cadmium	1.4		*	P
7440-70-2	Calcium	456	B		P
7440-47-3	Chromium	3.0		*	P
7440-48-4	Cobalt	1.3	U		P
7440-50-8	Copper	2.8	B		P
7439-89-6	Iron	469		*	P
7439-92-1	Lead	62.2		*	P
7439-95-4	Magnesium	56.9	B		P
7439-96-5	Manganese	4.0			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	5.3	U	N *	P
7440-09-7	Potassium	264	U		P
7782-49-2	Selenium	2.1	B	*	F
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	237	U		P
7440-28-0	Thallium	0.26	U		F
7440-62-2	Vanadium	1.3	U		P
7440-66-6	Zinc	10.8		*	P
	Cyanide	0.66	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES AND LEAVES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-5

Level (low/med): LOW Date Received: 11/09/94

% Solids: 75.9

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	907			
	Sulfide	26.0	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-6

Level (low/med): LOW Date Received: 11/09/94

% Solids: 79.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3250		*	P
7440-36-0	Antimony	5.0	U	N *	P
7440-38-2	Arsenic	0.93	B	N *	F
7440-39-3	Barium	3620		N *	P
7440-41-7	Beryllium	0.25	U		P
7440-43-9	Cadmium	1.5		*	P
7440-70-2	Calcium	1320			P
7440-47-3	Chromium	7.0		*	P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	9.0			P
7439-89-6	Iron	2170		*	P
7439-92-1	Lead	41.1			F
7439-95-4	Magnesium	2350			P
7439-96-5	Manganese	62.3			P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	6.5	B	N *	P
7440-09-7	Potassium	301	B		P
7782-49-2	Selenium	0.25	U	* W	F
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	226	U		P
7440-28-0	Thallium	0.25	U	W	F
7440-62-2	Vanadium	10.0	B		P
7440-66-6	Zinc	66.1		*	P
	Cyanide	0.61	U		C

Color Before: GRAY Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-6

Level (low/med): LOW Date Received: 11/09/94

% Solids: 79.7

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	49.7	U		
	Sulfide	24.9	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-7

Level (low/med): LOW Date Received: 11/09/94

% Solids: 76.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5630		*	P
7440-36-0	Antimony	5.2	U	N *	P
7440-38-2	Arsenic	2.7		N * S	F
7440-39-3	Barium	103		N *	P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	28.7		*	P
7440-70-2	Calcium	4360			P
7440-47-3	Chromium	287		*	P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	32.8			P
7439-89-6	Iron	22500		*	P
7439-92-1	Lead	191		*	P
7439-95-4	Magnesium	2040			P
7439-96-5	Manganese	334			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	23.1		N *	P
7440-09-7	Potassium	898	B		P
7782-49-2	Selenium	1.5		* S	F
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	235	U		P
7440-28-0	Thallium	0.26	U		F
7440-62-2	Vanadium	13.8			P
7440-66-6	Zinc	2010		*	P
	Cyanide	0.65	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-7

Level (low/med): LOW Date Received: 11/09/94

% Solids: 76.5

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	76.1			
	Sulfide	26.0	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-8

Level (low/med): LOW Date Received: 11/09/94

% Solids: 80.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3330		*	P
7440-36-0	Antimony	5.0	U	N *	P
7440-38-2	Arsenic	3.3		N * S	F
7440-39-3	Barium	150		N *	P
7440-41-7	Beryllium	0.25	U		P
7440-43-9	Cadmium	6.0		*	P
7440-70-2	Calcium	2090			P
7440-47-3	Chromium	43.9		*	P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	166			P
7439-89-6	Iron	7920		*	P
7439-92-1	Lead	571		*	P
7439-95-4	Magnesium	1230	B		P
7439-96-5	Manganese	133			P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	18.7		N *	P
7440-09-7	Potassium	598	B		P
7782-49-2	Selenium	0.33	B	* W	F
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	223	U		P
7440-28-0	Thallium	0.25	U		F
7440-62-2	Vanadium	9.1	B		P
7440-66-6	Zinc	338		*	P
	Cyanide	0.62	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-8

Level (low/med): LOW Date Received: 11/09/94

% Solids: 80.6

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	170			
	Sulfide	24.7	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-9

Level (low/med): LOW Date Received: 11/09/94

% Solids: 72.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5590		*	P
7440-36-0	Antimony	5.5	U	N *	P
7440-38-2	Arsenic	3.0		N * S	F
7440-39-3	Barium	123		N *	P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	1.9		*	P
7440-70-2	Calcium	9070			P
7440-47-3	Chromium	10.4		*	P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	21.6			P
7439-89-6	Iron	10900		*	P
7439-92-1	Lead	52.0		*	P
7439-95-4	Magnesium	2830			P
7439-96-5	Manganese	455			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	18.9		N *	P
7440-09-7	Potassium	940	B		P
7782-49-2	Selenium	1.4	U	*	F
7440-22-4	Silver	1.4	U	N	P
7440-23-5	Sodium	247	U		P
7440-28-0	Thallium	0.27	U		F
7440-62-2	Vanadium	13.6	B		P
7440-66-6	Zinc	206		*	P
	Cyanide	0.67	U		C

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES AND ROOTS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-9

Level (low/med): LOW Date Received: 11/09/94

% Solids: 72.8

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	4780			
	Sulfide	27.4	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-10

Level (low/med): LOW Date Received: 11/09/94

% Solids: 71.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1030		*	P
7440-36-0	Antimony	47.6		N *	P
7440-38-2	Arsenic	19.3		N * S	F
7440-39-3	Barium	1120		N *	P
7440-41-7	Beryllium	0.28	U		P
7440-43-9	Cadmium	1.2	B	*	P
7440-70-2	Calcium	413	B		P
7440-47-3	Chromium	40.8		*	P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	226			P
7439-89-6	Iron	65200		*	P
7439-92-1	Lead	5320		*	P
7439-95-4	Magnesium	89.9	B		P
7439-96-5	Manganese	152			P
7439-97-6	Mercury	0.64			CV
7440-02-0	Nickel	371		N *	P
7440-09-7	Potassium	2430			P
7782-49-2	Selenium	1.4	U	* W	F
7440-22-4	Silver	28.9		N	P
7440-23-5	Sodium	476	B		P
7440-28-0	Thallium	0.28	U		F
7440-62-2	Vanadium	1.4	U		P
7440-66-6	Zinc	120		*	P
	Cyanide	0.70	U		C

Color Before: GRAY/BROW Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-10

Level (low/med): LOW Date Received: 11/09/94

% Solids: 71.0

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	901			
	Sulfide	27.7	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract No.: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water) SOIL Lab Sample ID: 2343-11

Level (low/med): LOW Date Received: 11/09/94

% Solids: 71.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100		*	P
7440-36-0	Antimony	5.6	U	N *	P
7440-38-2	Arsenic	4.4	B	N * S	F
7440-39-3	Barium	170		N *	P
7440-41-7	Beryllium	0.73	B		P
7440-43-9	Cadmium	1.9		*	P
7440-70-2	Calcium	11500			P
7440-47-3	Chromium	15.6		*	P
7440-48-4	Cobalt	9.7	B		P
7440-50-8	Copper	38.0			P
7439-89-6	Iron	17100		*	P
7439-92-1	Lead	58.1		*	P
7439-95-4	Magnesium	3990			P
7439-96-5	Manganese	597			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	25.9		N *	P
7440-09-7	Potassium	1520			P
7782-49-2	Selenium	1.4	U	*	F
7440-22-4	Silver	1.4	U	N	P
7440-23-5	Sodium	253	U		P
7440-28-0	Thallium	0.28	U		F
7440-62-2	Vanadium	23.1			P
7440-66-6	Zinc	216		*	P
	Cyanide	0.70	U		C

Color Before: GRAY/BROW Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments: PEBBLES

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: 2343

Lab Code: ARDL Case No.: BBE SAS No.: _____ SDG No.: X101

Matrix (soil/water): SOIL Lab Sample ID: 2343-11

Level (low/med): LOW Date Received: 11/09/94

% Solids: 71.2

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

CAS No.	Analyte	Concentration	C	Q	M
	Sulfate	300			
	Sulfide	27.7	U		

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0741

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/15/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	15.	
67-64-1	Acetone	14.	U
75-15-0	Carbon Disulfide	14.	U
75-35-4	1,1-Dichloroethene	14.	U
75-34-3	1,1-Dichloroethane	24.	
540-59-0	1,2-Dichloroethene (total)	240.	
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	10.	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	6.	J
124-48-1	Dibromochloromethane	14.	U
79-00-5	1,1,2-Trichloroethane	14.	U
71-43-2	Benzene	5.	J
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	8.	J
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0741

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/15/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	10.63	20.	J
2.	UNKNOWN	31.07	30.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101RE

ab Name: ARDL, INC. Contract: SAUGET SA 1&2

ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

atrix: (soil/water) SOIL Lab Sample ID: 2343-1RE

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0784

evel: (low/med) LOW Date Received: 11/09/94

Moisture: not dec. 26 Date Analyzed: 11/17/94

C column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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	5.	J
67-64-1	Acetone	14.	U
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)	21.	
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-1RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0784

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/17/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	8.26	8.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

ab Name: ARDL, INC. Contract: SAUGET SA 1&2

ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

latrix: (soil/water) SOIL Lab Sample ID: 2343-2

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0742

evel: (low/med) LOW Date Received: 11/09/94

Moisture: not dec. 23 Date Analyzed: 11/15/94

C column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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	6.	J
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	10.	J
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

.ab Name: ARDL, INC. Contract: SAUGET SA 1&2

.ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

.atrix: (soil/water) SOIL Lab Sample ID: 2343-2

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0742

.evel: (low/med) LOW Date Received: 11/09/94

Moisture: not dec. 23 Date Analyzed: 11/15/94

.C Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.31	20.	J
2.	UNKNOWN	10.68	9.	J
3.	UNKNOWN	15.10	8.	J
4.	UNKNOWN ALKANE	27.92	200.	J
5.	UNKNOWN	29.42	7.	J
6.	UNKNOWN	32.84	7.	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

.ab Name: ARDL, INC. Contract: SAUGET SA 1&2

.ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

;atrix: (soil/water) SOIL Lab Sample ID: 2343-2RE

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0764

.evel: (low/med) LOW Date Received: 11/09/94

Moisture: not dec. 23 Date Analyzed: 11/16/94

:C column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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	14.	
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	10.	J
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.

X102RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0764

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 23 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.93	7.	J
2.	UNKNOWN	7.30	9.	J
3.	UNKNOWN	10.72	8.	J
4.	UNKNOWN	28.68	10.	J
5.	UNKNOWN	29.46	20.	J
6.	UNKNOWN	30.96	8.	J
7.	UNKNOWN	32.10	20.	J
8.	UNKNOWN	33.01	7.	J
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0763

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0763

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0769

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0769

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0744

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 28 Date Analyzed: 11/15/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-4

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0744

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 28 Date Analyzed: 11/15/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	27.88	200.	J
2.	UNKNOWN	31.58	100.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104RE

.ab Name: ARDL, INC. Contract: SAUGET SA 1&2

.ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

latrix: (soil/water) SOIL Lab Sample ID: 2343-4RE

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0765

.evel: (low/med) LOW Date Received: 11/09/94

, Moisture: not dec. 28 Date Analyzed: 11/16/94

;C column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-5RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0765

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 28 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	31.13	20.	J
2.	UNKNOWN	31.54	90.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

.ab Name: ARDL, INC. Contract: SAUGET SA 1&2

.ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

latrix: (soil/water) SOIL Lab Sample ID: 2343-5

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0745

.evel: (low/med) LOW Date Received: 11/09/94

. Moisture: not dec. 24 Date Analyzed: 11/15/94

;C column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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	5.	J
67-64-1	Acetone	27.	
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	5.	J
79-34-5	1,1,2,2-Tetrachloroethane	13.	U
108-88-3	Toluene	14.	
108-90-7	Chlorobenzene	13.	U
100-41-4	Ethylbenzene	13.	U
100-42-5	Styrene	13.	U
1330-20-7	Xylene (total)	14.	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

.ab Name: ARDL, INC. Contract: SAUGET SA 1&2

.ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

latrix: (soil/water) SOIL Lab Sample ID: 2343-5

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0745

.evel: (low/med) LOW Date Received: 11/09/94

. Moisture: not dec. 24 Date Analyzed: 11/15/94

:C Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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.	UNKNOWN	15.09	10.	J
2.	UNKNOWN ALKANE	28.82	100.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0749

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/15/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	18.	
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	12.	U
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.

X106

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0749

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/15/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	2.43	10.	J
2.	UNKNOWN	8.32	8.	J
3.	BENZENE, ETHYL-DIMETHYL-	28.02	100.	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0770

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	31.	
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	12.	U
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.

X106RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0770

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0758

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 24 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.

X107

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0758

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 24 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	8.04	8.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0759

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	6.	J
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	12.	U
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.

X108

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-8

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0759

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.		UNKNOWN	33.42	40.	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

EPA SAMPLE NO.

X108RE

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: SAUGET SA 1&2

Lab Name: ARDL, INC.

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Lab Sample ID: 2343-8RE

Matrix: (soil/water) SOIL

Lab File ID: >D0778

Sample wt/vol: 5.0 (g/mL) G

Date Received: 11/09/94

Level: (low/med) LOW

Date Analyzed: 11/17/94

% Moisture: not dec. 20

Dilution Factor: 1.0

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

Soil Aliquot Volume: --- (uL)

Soil Extract 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	6.	J
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	12.	U
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.

X108RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-8RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0778

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 Date Analyzed: 11/17/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	1.77	10.	J
2.	UNKNOWN	7.98	10.	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-9

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0768

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 27 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

ab Name: ARDL, INC. Contract: SAUGET SA 1&2

ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

atrix: (soil/water) SOIL Lab Sample ID: 2343-9

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0768

evel: (low/med) LOW Date Received: 11/09/94

Moisture: not dec. 27 Date Analyzed: 11/16/94

C Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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-1,2,2	13.56	20.	JN
2.		UNKNOWN ALKANE	32.16	20.	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-9RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0779

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 27 Date Analyzed: 11/17/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-9RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0779

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 27 Date Analyzed: 11/17/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0761

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	12.	J
67-64-1	Acetone	14.	U
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	14.	U
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	8.	J
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0761

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	15.10	7.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110RE

ab Name: ARDL, INC. Contract: SAUGET SA 1&2

ab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

atrix: (soil/water) SOIL Lab Sample ID: 2343-10RE

ample wt/vol: 5.0 (g/mL) G Lab File ID: >D0780

evel: (low/med) LOW Date Received: 11/09/94

Moisture: not dec. 29 Date Analyzed: 11/17/94

C column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

oil 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	9.	J
67-64-1	Acetone	14.	U
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	14.	U
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	5.	J
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-10RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0780

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/17/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	15.10	7.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0762

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/16/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0762

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/16/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0781

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/17/94

GC column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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	14.	U
67-64-1	Acetone	14.	U
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	14.	U
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	14.	U
108-90-7	Chlorobenzene	14.	U
100-41-4	Ethylbenzene	14.	U
100-42-5	Styrene	14.	U
1330-20-7	Xylene (total)	14.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1&2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >D0781

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 Date Analyzed: 11/17/94

GC Column: 1%SP-1000 ID: 2.0 (mm) Dilution Factor: 1.0

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.	UNKNOWN	33.50	10.	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7279

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450000.	U
111-44-4	bis(2-Chloroethyl)ether	450000.	U
95-57-8	2-Chlorophenol	450000.	U
541-73-1	1,3-Dichlorobenzene	450000.	U
106-46-7	1,4-Dichlorobenzene	450000.	U
95-50-1	1,2-Dichlorobenzene	450000.	U
95-48-7	2-Methylphenol	450000.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450000.	U
106-44-5	4-Methylphenol	450000.	U
621-64-7	N-Nitroso-Di-n-propylamine	450000.	U
67-72-1	Hexachloroethane	450000.	U
98-95-3	Nitrobenzene	450000.	U
78-59-1	Isophorone	450000.	U
88-75-5	2-Nitrophenol	450000.	U
105-67-9	2,4-Dimethylphenol	450000.	U
111-91-1	bis(2-Chloroethoxy)methane	450000.	U
120-83-2	2,4-Dichlorophenol	450000.	U
120-82-1	1,2,4-Trichlorobenzene	450000.	U
91-20-3	Naphthalene	450000.	U
106-47-8	4-Chloroaniline	450000.	U
87-68-3	Hexachlorobutadiene	450000.	U
59-50-7	4-Chloro-3-methylphenol	450000.	U
91-57-6	2-Methylnaphthalene	450000.	U
77-47-4	Hexachlorocyclopentadiene	450000.	U
88-06-2	2,4,6-Trichlorophenol	450000.	U
95-95-4	2,4,5-Trichlorophenol	1100000.	U
91-58-7	2-Chloronaphthalene	450000.	U
88-74-4	2-Nitroaniline	1100000.	U
131-11-3	Dimethylphthalate	450000.	U
208-96-8	Acenaphthylene	450000.	U
606-20-2	2,6-Dinitrotoluene	450000.	U
99-09-2	3-Nitroaniline	1100000.	U
83-32-9	Acenaphthene	450000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7279

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100000.	U
100-02-7	4-Nitrophenol	1100000.	U
132-64-9	Dibenzofuran	450000.	U
121-14-2	2,4-Dinitrotoluene	450000.	U
84-66-2	Diethylphthalate	450000.	U
7005-72-3	4-Chlorophenyl-phenylether	450000.	U
86-73-7	Fluorene	450000.	U
100-01-6	4-Nitroaniline	1100000.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100000.	U
86-30-6	N-Nitrosodiphenylamine (1)	450000.	U
101-55-3	4-Bromophenyl-phenylether	450000.	U
118-74-1	Hexachlorobenzene	450000.	U
87-86-5	Pentachlorophenol	1100000.	U
85-01-8	Phenanthrene	450000.	U
120-12-7	Anthracene	450000.	U
86-74-8	Carbazole	450000.	U
84-74-2	Di-n-butylphthalate	450000.	U
206-44-0	Fluoranthene	450000.	U
129-00-0	Pyrene	450000.	U
85-68-7	Butylbenzylphthalate	450000.	U
91-94-1	3,3'-Dichlorobenzidine	450000.	U
56-55-3	Benzo(a)anthracene	450000.	U
218-01-9	Chrysene	450000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200000.	B
117-84-0	Di-n-octylphthalate	450000.	U
205-99-2	Benzo(b)fluoranthene	450000.	U
207-08-9	Benzo(k)fluoranthene	450000.	U
50-32-8	Benzo(a)pyrene	450000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	450000.	U
53-70-3	Dibenz(a,h)anthracene	450000.	U
191-24-2	Benzo(g,h,i)perylene	450000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7279

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN PHTHALATE	28.00	200000.	J
2.	UNKNOWN PHTHALATE	28.07	200000.	J
3.	UNKNOWN	28.20	100000.	J
4.	UNKNOWN PHTHALATE	28.31	100000.	J
5.	UNKNOWN PHTHALATE	28.45	400000.	J
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4090

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4300.	U
111-44-4	bis(2-Chloroethyl)ether	4300.	U
95-57-8	2-Chlorophenol	4300.	U
541-73-1	1,3-Dichlorobenzene	4300.	U
106-46-7	1,4-Dichlorobenzene	4300.	U
95-50-1	1,2-Dichlorobenzene	4300.	U
95-48-7	2-Methylphenol	4300.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4300.	U
106-44-5	4-Methylphenol	4300.	U
621-64-7	N-Nitroso-Di-n-propylamine	4300.	U
67-72-1	Hexachloroethane	4300.	U
98-95-3	Nitrobenzene	4300.	U
78-59-1	Isophorone	4300.	U
88-75-5	2-Nitrophenol	4300.	U
105-67-9	2,4-Dimethylphenol	4300.	U
111-91-1	bis(2-Chloroethoxy)methane	4300.	U
120-83-2	2,4-Dichlorophenol	4300.	U
120-82-1	1,2,4-Trichlorobenzene	4300.	U
91-20-3	Naphthalene	4300.	U
106-47-8	4-Chloroaniline	4300.	U
87-68-3	Hexachlorobutadiene	4300.	U
59-50-7	4-Chloro-3-methylphenol	4300.	U
91-57-6	2-Methylnaphthalene	4300.	U
77-47-4	Hexachlorocyclopentadiene	4300.	U
88-06-2	2,4,6-Trichlorophenol	4300.	U
95-95-4	2,4,5-Trichlorophenol	10000.	U
91-58-7	2-Chloronaphthalene	4300.	U
88-74-4	2-Nitroaniline	10000.	U
131-11-3	Dimethylphthalate	4300.	U
208-96-8	Acenaphthylene	4300.	U
606-20-2	2,6-Dinitrotoluene	4300.	U
99-09-2	3-Nitroaniline	10000.	U
83-32-9	Acenaphthene	4300.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4090

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000.	U
100-02-7	4-Nitrophenol	10000.	U
132-64-9	Dibenzofuran	4300.	U
121-14-2	2,4-Dinitrotoluene	4300.	U
84-66-2	Diethylphthalate	4300.	U
7005-72-3	4-Chlorophenyl-phenylether	4300.	U
86-73-7	Fluorene	4300.	U
100-01-6	4-Nitroaniline	10000.	U
534-52-1	4,6-Dinitro-2-methylphenol	10000.	U
86-30-6	N-Nitrosodiphenylamine (1)	4300.	U
101-55-3	4-Bromophenyl-phenylether	4300.	U
118-74-1	Hexachlorobenzene	4300.	U
87-86-5	Pentachlorophenol	10000.	U
85-01-8	Phenanthrene	4300.	U
120-12-7	Anthracene	4300.	U
86-74-8	Carbazole	4300.	U
84-74-2	Di-n-butylphthalate	4300.	U
206-44-0	Fluoranthene	4300.	U
129-00-0	Pyrene	4300.	U
85-68-7	Butylbenzylphthalate	4300.	U
91-94-1	3,3'-Dichlorobenzidine	4300.	U
56-55-3	Benzo(a)anthracene	4300.	U
218-01-9	Chrysene	4300.	U
117-81-7	bis(2-Ethylhexyl)phthalate	13000.	B
117-84-0	Di-n-octylphthalate	4300.	U
205-99-2	Benzo(b)fluoranthene	4300.	U
207-08-9	Benzo(k)fluoranthene	4300.	U
50-32-8	Benzo(a)pyrene	4300.	U
193-39-5	Indeno(1,2,3-cd)pyrene	4300.	U
53-70-3	Dibenz(a,h)anthracene	4300.	U
191-24-2	Benzo(g,h,i)perylene	4300.	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4090

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 23 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	8.97	2000.	J
2.		UNKNOWN	10.83	2000.	J
3.		UNKNOWN	11.23	2000.	J
4.		UNKNOWN	12.82	1000.	J
5.		UNKNOWN	13.09	2000.	J
6.		UNKNOWN	13.42	5000.	J
7.		UNKNOWN	13.66	4000.	J
8.		UNKNOWN	13.81	3000.	J
9.		UNKNOWN	23.27	1000.	J
10.		UNKNOWN	23.55	3000.	J
11.		UNKNOWN	24.20	2000.	J
12.		UNKNOWN	26.11	2000.	J
13.		UNKNOWN	27.05	2000.	J
14.		UNKNOWN	27.23	3000.	J
15.		UNKNOWN	27.31	5000.	J
16.		UNKNOWN PHTHALATE	27.61	2000.	J
17.		UNKNOWN PHTHALATE	27.72	1000.	J
18.		UNKNOWN PHTHALATE	27.83	2000.	J
19.		UNKNOWN	29.02	1000.	J
20.		UNKNOWN PHTHALATE	31.46	2000000.	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4094

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4300.	U
111-44-4	bis(2-Chloroethyl)ether	4300.	U
95-57-8	2-Chlorophenol	4300.	U
541-73-1	1,3-Dichlorobenzene	4300.	U
106-46-7	1,4-Dichlorobenzene	4300.	U
95-50-1	1,2-Dichlorobenzene	4300.	U
95-48-7	2-Methylphenol	4300.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4300.	U
106-44-5	4-Methylphenol	4300.	U
621-64-7	N-Nitroso-Di-n-propylamine	4300.	U
67-72-1	Hexachloroethane	4300.	U
98-95-3	Nitrobenzene	4300.	U
78-59-1	Isophorone	4300.	U
88-75-5	2-Nitrophenol	4300.	U
105-67-9	2,4-Dimethylphenol	4300.	U
111-91-1	bis(2-Chloroethoxy)methane	4300.	U
120-83-2	2,4-Dichlorophenol	4300.	U
120-82-1	1,2,4-Trichlorobenzene	4300.	U
91-20-3	Naphthalene	4300.	U
106-47-8	4-Chloroaniline	4300.	U
87-68-3	Hexachlorobutadiene	4300.	U
59-50-7	4-Chloro-3-methylphenol	4300.	U
91-57-6	2-Methylnaphthalene	4300.	U
77-47-4	Hexachlorocyclopentadiene	4300.	U
88-06-2	2,4,6-Trichlorophenol	4300.	U
95-95-4	2,4,5-Trichlorophenol	10000.	U
91-58-7	2-Chloronaphthalene	4300.	U
88-74-4	2-Nitroaniline	10000.	U
131-11-3	Dimethylphthalate	4300.	U
208-96-8	Acenaphthylene	4300.	U
606-20-2	2,6-Dinitrotoluene	4300.	U
99-09-2	3-Nitroaniline	10000.	U
83-32-9	Acenaphthene	4300.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4094

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: --- decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000.	U
100-02-7	4-Nitrophenol	10000.	U
132-64-9	Dibenzofuran	4300.	U
121-14-2	2,4-Dinitrotoluene	4300.	U
84-66-2	Diethylphthalate	4300.	U
7005-72-3	4-Chlorophenyl-phenylether	4300.	U
86-73-7	Fluorene	4300.	U
100-01-6	4-Nitroaniline	10000.	U
534-52-1	4,6-Dinitro-2-methylphenol	10000.	U
86-30-6	N-Nitrosodiphenylamine (1)	4300.	U
101-55-3	4-Bromophenyl-phenylether	4300.	U
118-74-1	Hexachlorobenzene	4300.	U
87-86-5	Pentachlorophenol	10000.	U
85-01-8	Phenanthrene	4300.	U
120-12-7	Anthracene	4300.	U
86-74-8	Carbazole	4300.	U
84-74-2	Di-n-butylphthalate	4300.	U
206-44-0	Fluoranthene	4300.	U
129-00-0	Pyrene	4300.	U
85-68-7	Butylbenzylphthalate	4300.	U
91-94-1	3,3'-Dichlorobenzidine	4300.	U
56-55-3	Benzo(a)anthracene	4300.	U
218-01-9	Chrysene	4300.	U
117-81-7	bis(2-Ethylhexyl)phthalate	15000.	B
117-84-0	Di-n-octylphthalate	4300.	U
205-99-2	Benzo(b)fluoranthene	4300.	U
207-08-9	Benzo(k)fluoranthene	4300.	U
50-32-8	Benzo(a)pyrene	4300.	U
193-39-5	Indeno(1,2,3-cd)pyrene	4300.	U
53-70-3	Dibenz(a,h)anthracene	4300.	U
191-24-2	Benzo(g,h,i)perylene	4300.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102RE

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-2RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4094

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 23 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.96	2000.	J
2.	UNKNOWN	10.82	2000.	J
3.	UNKNOWN	13.30	1000.	J
4.	UNKNOWN	13.41	5000.	J
5.	UNKNOWN	13.65	3000.	J
6.	UNKNOWN	13.81	3000.	J
7.	UNKNOWN	23.25	1000.	J
8.	UNKNOWN	23.54	3000.	J
9.	UNKNOWN	24.19	3000.	J
10.	UNKNOWN	26.10	2000.	J
11.	UNKNOWN	27.05	2000.	J
12.	UNKNOWN	27.30	2000.	J
13.	UNKNOWN PHTHALATE	27.59	3000.	J
14.	UNKNOWN PHTHALATE	27.83	2000.	J
15.	UNKNOWN PHTHALATE	31.40	4000000.	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7267

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.8 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4400.	U
111-44-4	bis(2-Chloroethyl)ether	4400.	U
95-57-8	2-Chlorophenol	4400.	U
541-73-1	1,3-Dichlorobenzene	4400.	U
106-46-7	1,4-Dichlorobenzene	4400.	U
95-50-1	1,2-Dichlorobenzene	4400.	U
95-48-7	2-Methylphenol	4400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4400.	U
106-44-5	4-Methylphenol	4400.	U
621-64-7	N-Nitroso-Di-n-propylamine	4400.	U
67-72-1	Hexachloroethane	4400.	U
98-95-3	Nitrobenzene	4400.	U
78-59-1	Isophorone	4400.	U
88-75-5	2-Nitrophenol	4400.	U
105-67-9	2,4-Dimethylphenol	4400.	U
111-91-1	bis(2-Chloroethoxy)methane	4400.	U
120-83-2	2,4-Dichlorophenol	4400.	U
120-82-1	1,2,4-Trichlorobenzene	4400.	U
91-20-3	Naphthalene	4400.	U
106-47-8	4-Chloroaniline	4400.	U
87-68-3	Hexachlorobutadiene	4400.	U
59-50-7	4-Chloro-3-methylphenol	4400.	U
91-57-6	2-Methylnaphthalene	4400.	U
77-47-4	Hexachlorocyclopentadiene	4400.	U
88-06-2	2,4,6-Trichlorophenol	4400.	U
95-95-4	2,4,5-Trichlorophenol	11000.	U
91-58-7	2-Chloronaphthalene	4400.	U
88-74-4	2-Nitroaniline	11000.	U
131-11-3	Dimethylphthalate	4400.	U
208-96-8	Acenaphthylene	4400.	U
606-20-2	2,6-Dinitrotoluene	4400.	U
99-09-2	3-Nitroaniline	11000.	U
83-32-9	Acenaphthene	4400.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7267

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.8 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000.	U
100-02-7	4-Nitrophenol	11000.	U
132-64-9	Dibenzofuran	4400.	U
121-14-2	2,4-Dinitrotoluene	4400.	U
84-66-2	Diethylphthalate	4400.	U
7005-72-3	4-Chlorophenyl-phenylether	4400.	U
86-73-7	Fluorene	4400.	U
100-01-6	4-Nitroaniline	11000.	U
534-52-1	4,6-Dinitro-2-methylphenol	11000.	U
86-30-6	N-Nitrosodiphenylamine (1)	4400.	U
101-55-3	4-Bromophenyl-phenylether	4400.	U
118-74-1	Hexachlorobenzene	4400.	U
87-86-5	Pentachlorophenol	11000.	U
85-01-8	Phenanthrene	4400.	U
120-12-7	Anthracene	4400.	U
86-74-8	Carbazole	4400.	U
84-74-2	Di-n-butylphthalate	4400.	U
206-44-0	Fluoranthene	4400.	U
129-00-0	Pyrene	4400.	U
85-68-7	Butylbenzylphthalate	4400.	U
91-94-1	3,3'-Dichlorobenzidine	4400.	U
56-55-3	Benzo(a)anthracene	4400.	U
218-01-9	Chrysene	4400.	U
117-81-7	bis(2-Ethylhexyl)phthalate	9300.	B
117-84-0	Di-n-octylphthalate	4400.	U
205-99-2	Benzo(b)fluoranthene	4400.	U
207-08-9	Benzo(k)fluoranthene	4400.	U
50-32-8	Benzo(a)pyrene	4400.	U
193-39-5	Indeno(1,2,3-cd)pyrene	4400.	U
53-70-3	Dibenz(a,h)anthracene	4400.	U
191-24-2	Benzo(g,h,i)perylene	4400.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7627

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 26 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/29/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1,1'-BIPHENYL, TETRACHLORO-	22.33	3000.	J
2.	1,1'-BIPHENYL, TETRACHLORO-	22.76	1000.	J
3.	1,1'-BIPHENYL, PENTACHLORO-	23.66	3000.	J
4.	1,1'-BIPHENYL, PENTACHLORO-	24.12	3000.	J
5.	1,1'-BIPHENYL, PENTACHLORO-	24.86	2000.	J
6.	1,1'-BIPHENYL, HEXACHLORO-	26.35	3000.	J
7.	UNKNOWN	32.66	5000.	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7294

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 50000.0

GPC Cleanup: (Y/N) Y pH: 6.7 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	23000000.	U
111-44-4	bis(2-Chloroethyl)ether	23000000.	U
95-57-8	2-Chlorophenol	23000000.	U
541-73-1	1,3-Dichlorobenzene	23000000.	U
106-46-7	1,4-Dichlorobenzene	23000000.	U
95-50-1	1,2-Dichlorobenzene	23000000.	U
95-48-7	2-Methylphenol	23000000.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	23000000.	U
106-44-5	4-Methylphenol	23000000.	U
621-64-7	N-Nitroso-Di-n-propylamine	23000000.	U
67-72-1	Hexachloroethane	23000000.	U
98-95-3	Nitrobenzene	23000000.	U
78-59-1	Isophorone	23000000.	U
88-75-5	2-Nitrophenol	23000000.	U
105-67-9	2,4-Dimethylphenol	23000000.	U
111-91-1	bis(2-Chloroethoxy)methane	23000000.	U
120-83-2	2,4-Dichlorophenol	23000000.	U
120-82-1	1,2,4-Trichlorobenzene	23000000.	U
91-20-3	Naphthalene	23000000.	U
106-47-8	4-Chloroaniline	23000000.	U
87-68-3	Hexachlorobutadiene	23000000.	U
59-50-7	4-Chloro-3-methylphenol	23000000.	U
91-57-6	2-Methylnaphthalene	23000000.	U
77-47-4	Hexachlorocyclopentadiene	23000000.	U
88-06-2	2,4,6-Trichlorophenol	23000000.	U
95-95-4	2,4,5-Trichlorophenol	56000000.	U
91-58-7	2-Chloronaphthalene	23000000.	U
88-74-4	2-Nitroaniline	56000000.	U
131-11-3	Dimethylphthalate	23000000.	U
208-96-8	Acenaphthylene	23000000.	U
606-20-2	2,6-Dinitrotoluene	23000000.	U
99-09-2	3-Nitroaniline	56000000.	U
83-32-9	Acenaphthene	23000000.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7294

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 28 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 50000.0

GPC Cleanup: (Y/N) Y pH: 6.7 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	56000000.	U
100-02-7	4-Nitrophenol	56000000.	U
132-64-9	Dibenzofuran	23000000.	U
121-14-2	2,4-Dinitrotoluene	23000000.	U
84-66-2	Diethylphthalate	23000000.	U
7005-72-3	4-Chlorophenyl-phenylether	23000000.	U
86-73-7	Fluorene	23000000.	U
100-01-6	4-Nitroaniline	56000000.	U
534-52-1	4,6-Dinitro-2-methylphenol	56000000.	U
86-30-6	N-Nitrosodiphenylamine (1)	23000000.	U
101-55-3	4-Bromophenyl-phenylether	23000000.	U
118-74-1	Hexachlorobenzene	23000000.	U
87-86-5	Pentachlorophenol	56000000.	U
85-01-8	Phenanthrene	23000000.	U
120-12-7	Anthracene	23000000.	U
86-74-8	Carbazole	23000000.	U
84-74-2	Di-n-butylphthalate	23000000.	U
206-44-0	Fluoranthene	23000000.	U
129-00-0	Pyrene	23000000.	U
85-68-7	Butylbenzylphthalate	23000000.	U
91-94-1	3,3'-Dichlorobenzidine	23000000.	U
56-55-3	Benzo(a)anthracene	23000000.	U
218-01-9	Chrysene	23000000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	110000000.	B
117-84-0	Di-n-octylphthalate	23000000.	U
205-99-2	Benzo(b)fluoranthene	23000000.	U
207-08-9	Benzo(k)fluoranthene	23000000.	U
50-32-8	Benzo(a)pyrene	23000000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	23000000.	U
53-70-3	Dibenz(a,h)anthracene	23000000.	U
191-24-2	Benzo(g,h,i)perylene	23000000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-4

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7294

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 28 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/02/94

Injection Volume: 2.0 (uL) Dilution Factor: 50000.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 0

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

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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7270

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 2.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4300.	U
111-44-4	bis(2-Chloroethyl)ether	4300.	U
95-57-8	2-Chlorophenol	4300.	U
541-73-1	1,3-Dichlorobenzene	4300.	U
106-46-7	1,4-Dichlorobenzene	4300.	U
95-50-1	1,2-Dichlorobenzene	4300.	U
95-48-7	2-Methylphenol	4300.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4300.	U
106-44-5	4-Methylphenol	4300.	U
621-64-7	N-Nitroso-Di-n-propylamine	4300.	U
67-72-1	Hexachloroethane	4300.	U
98-95-3	Nitrobenzene	4300.	U
78-59-1	Isophorone	4300.	U
88-75-5	2-Nitrophenol	4300.	U
105-67-9	2,4-Dimethylphenol	4300.	U
111-91-1	bis(2-Chloroethoxy)methane	4300.	U
120-83-2	2,4-Dichlorophenol	4300.	U
120-82-1	1,2,4-Trichlorobenzene	4300.	U
91-20-3	Naphthalene	4300.	U
106-47-8	4-Chloroaniline	4300.	U
87-68-3	Hexachlorobutadiene	4300.	U
59-50-7	4-Chloro-3-methylphenol	4300.	U
91-57-6	2-Methylnaphthalene	4300.	U
77-47-4	Hexachlorocyclopentadiene	4300.	U
88-06-2	2,4,6-Trichlorophenol	4300.	U
95-95-4	2,4,5-Trichlorophenol	11000.	U
91-58-7	2-Chloronaphthalene	4300.	U
88-74-4	2-Nitroaniline	11000.	U
131-11-3	Dimethylphthalate	4300.	U
208-96-8	Acenaphthylene	4300.	U
606-20-2	2,6-Dinitrotoluene	4300.	U
99-09-2	3-Nitroaniline	11000.	U
83-32-9	Acenaphthene	4300.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7270

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 2.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000.	U
100-02-7	4-Nitrophenol	11000.	U
132-64-9	Dibenzofuran	4300.	U
121-14-2	2,4-Dinitrotoluene	4300.	U
84-66-2	Diethylphthalate	4300.	U
7005-72-3	4-Chlorophenyl-phenylether	4300.	U
86-73-7	Fluorene	4300.	U
100-01-6	4-Nitroaniline	11000.	U
534-52-1	4,6-Dinitro-2-methylphenol	11000.	U
86-30-6	N-Nitrosodiphenylamine (1)	4300.	U
101-55-3	4-Bromophenyl-phenylether	4300.	U
118-74-1	Hexachlorobenzene	4300.	U
87-86-5	Pentachlorophenol	11000.	U
85-01-8	Phenanthrene	4300.	U
120-12-7	Anthracene	4300.	U
86-74-8	Carbazole	4300.	U
84-74-2	Di-n-butylphthalate	4300.	U
206-44-0	Fluoranthene	4300.	U
129-00-0	Pyrene	4300.	U
85-68-7	Butylbenzylphthalate	4300.	U
91-94-1	3,3'-Dichlorobenzidine	4300.	U
56-55-3	Benzo(a)anthracene	4300.	U
218-01-9	Chrysene	4300.	U
117-81-7	bis(2-Ethylhexyl)phthalate	13000.	B
117-84-0	Di-n-octylphthalate	4300.	U
205-99-2	Benzo(b)fluoranthene	4300.	U
207-08-9	Benzo(k)fluoranthene	4300.	U
50-32-8	Benzo(a)pyrene	4300.	U
193-39-5	Indeno(1,2,3-cd)pyrene	4300.	U
53-70-3	Dibenz(a,h)anthracene	4300.	U
191-24-2	Benzo(g,h,i)perylene	4300.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-5

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7270

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 24 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 2.6

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	17.19	3000.	J
2.	1,1'-BIPHENYL, TETRACHLORO-	22.30	2000.	J
3.	UNKNOWN	22.39	1000.	J
4.	1,1'-BIPHENYL, TETRACHLORO-	22.74	1000.	J
5.	1,1'-BIPHENYL, TETRACHLORO-	23.02	900.	J
6.	UNKNOWN	23.47	3000.	J
7.	1,1'-BIPHENYL, TETRACHLORO-	23.63	2000.	J
8.	1,1'-BIPHENYL, TETRACHLORO-	23.97	1000.	J
9.	1,1'-BIPHENYL, PENTACHLORO-	24.08	2000.	J
10.	1,1'-BIPHENYL, PENTACHLORO-	24.82	1000.	J
11.	1,1'-BIPHENYL, PENTACHLORO-	25.33	1000.	J
12.	UNKNOWN	26.18	2000.	J
13.	UNKNOWN PHTHALATE	28.00	2000.	J
14.	UNKNOWN	28.20	2000.	J
15.	UNKNOWN PHTHALATE	28.45	2000.	J
16.	UNKNOWN PHTHALATE	29.61	1000.	J
17.	UNKNOWN ALKANE	30.19	1000.	J
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7281

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 250.0

GPC Cleanup: (Y/N) Y pH: 6.1 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	100000.	U
111-44-4	bis(2-Chloroethyl)ether	100000.	U
95-57-8	2-Chlorophenol	100000.	U
541-73-1	1,3-Dichlorobenzene	100000.	U
106-46-7	1,4-Dichlorobenzene	100000.	U
95-50-1	1,2-Dichlorobenzene	100000.	U
95-48-7	2-Methylphenol	100000.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100000.	U
106-44-5	4-Methylphenol	100000.	U
621-64-7	N-Nitroso-Di-n-propylamine	100000.	U
67-72-1	Hexachloroethane	100000.	U
98-95-3	Nitrobenzene	100000.	U
78-59-1	Isophorone	100000.	U
88-75-5	2-Nitrophenol	100000.	U
105-67-9	2,4-Dimethylphenol	100000.	U
111-91-1	bis(2-Chloroethoxy)methane	100000.	U
120-83-2	2,4-Dichlorophenol	100000.	U
120-82-1	1,2,4-Trichlorobenzene	100000.	U
91-20-3	Naphthalene	100000.	U
106-47-8	4-Chloroaniline	100000.	U
87-68-3	Hexachlorobutadiene	100000.	U
59-50-7	4-Chloro-3-methylphenol	100000.	U
91-57-6	2-Methylnaphthalene	100000.	U
77-47-4	Hexachlorocyclopentadiene	100000.	U
88-06-2	2,4,6-Trichlorophenol	100000.	U
95-95-4	2,4,5-Trichlorophenol	250000.	U
91-58-7	2-Chloronaphthalene	100000.	U
88-74-4	2-Nitroaniline	250000.	U
131-11-3	Dimethylphthalate	100000.	U
208-96-8	Acenaphthylene	100000.	U
606-20-2	2,6-Dinitrotoluene	100000.	U
99-09-2	3-Nitroaniline	250000.	U
83-32-9	Acenaphthene	100000.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7281

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 250.0

GPC Cleanup: (Y/N) Y pH: 6.1 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	250000.	U
100-02-7	4-Nitrophenol	250000.	U
132-64-9	Dibenzofuran	100000.	U
121-14-2	2,4-Dinitrotoluene	100000.	U
84-66-2	Diethylphthalate	100000.	U
7005-72-3	4-Chlorophenyl-phenylether	100000.	U
86-73-7	Fluorene	100000.	U
100-01-6	4-Nitroaniline	250000.	U
534-52-1	4,6-Dinitro-2-methylphenol	250000.	U
86-30-6	N-Nitrosodiphenylamine (1)	100000.	U
101-55-3	4-Bromophenyl-phenylether	100000.	U
118-74-1	Hexachlorobenzene	100000.	U
87-86-5	Pentachlorophenol	250000.	U
85-01-8	Phenanthrene	100000.	U
120-12-7	Anthracene	100000.	U
86-74-8	Carbazole	100000.	U
84-74-2	Di-n-butylphthalate	100000.	U
206-44-0	Fluoranthene	100000.	U
129-00-0	Pyrene	100000.	U
85-68-7	Butylbenzylphthalate	100000.	U
91-94-1	3,3'-Dichlorobenzidine	100000.	U
56-55-3	Benzo(a)anthracene	100000.	U
218-01-9	Chrysene	100000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	120000.	B
117-84-0	Di-n-octylphthalate	100000.	U
205-99-2	Benzo(b)fluoranthene	100000.	U
207-08-9	Benzo(k)fluoranthene	100000.	U
50-32-8	Benzo(a)pyrene	100000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	100000.	U
53-70-3	Dibenz(a,h)anthracene	100000.	U
191-24-2	Benzo(g,h,i)perylene	100000.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-6

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >M7281

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 250.0

GPC Cleanup: (Y/N) Y pH: 6.1

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC	8.48	70000.	J
2.	UNKNOWN AROMATIC	9.58	200000.	J
3.	UNKNOWN AROMATIC	10.15	100000.	J
4.	UNKNOWN AROMATIC	10.28	80000.	J
5.	UNKNOWN ALKANE	11.01	200000.	J
6.	UNKNOWN	11.11	60000.	J
7.	UNKNOWN AROMATIC	11.31	90000.	J
8.	UNKNOWN AROMATIC	11.40	70000.	J
9.	UNKNOWN	11.47	60000.	J
10.	UNKNOWN	11.82	80000.	J
11.	UNKNOWN AROMATIC	11.94	200000.	J
12.	UNKNOWN	12.11	80000.	J
13.	UNKNOWN	15.07	200000.	J
14.	UNKNOWN	24.70	2000000.	J
15.	UNKNOWN PHTHALATE	28.91	100000.	J
16.	UNKNOWN PHTHALATE	29.14	200000.	J
17.	UNKNOWN PHTHALATE	29.38	100000.	J
18.	UNKNOWN PHTHALATE	30.73	80000000.	J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4083

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Conversion Factor: 1.0

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	270.	J
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U
106-44-5	4-Methylphenol	280.	J
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	210.	J
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	270.	J
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.

X107

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4083

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 24 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0 Conversion Factor: 1.0

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	120.	J
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	1900.	B
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

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-7

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4083

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 24 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.19	900.	J
2.	UNKNOWN	15.80	3000.	J
3.	UNKNOWN	16.40	900.	J
4.	UNKNOWN	19.91	1000.	J
5.	1,1'-BIPHENYL, TETRACHLORO-	23.05	3000.	J
6.	1,1'-BIPHENYL, TETRACHLORO-	23.49	800.	J
7.	UNKNOWN	24.13	1000.	J
8.	1,1'-BIPHENYL, TETRACHLORO-	24.30	1000.	J
9.	1,1'-BIPHENYL, PENTACHLORO-	24.40	2000.	J
10.	1,1'-BIPHENYL, PENTACHLORO-	24.72	800.	J
11.	1,1'-BIPHENYL, PENTACHLORO-	24.85	2000.	J
12.	1,1'-BIPHENYL, PENTACHLORO-	24.95	2000.	J
13.	1,1'-BIPHENYL, HEXACHLORO-	26.06	2000.	J
14.	1,1'-BIPHENYL, PENTACHLORO-	26.10	1000.	J
15.	1,1'-BIPHENYL, HEXACHLORO-	26.53	1000.	J
16.	UNKNOWN	26.99	2000.	J
17.	1,1'-BIPHENYL, HEXACHLORO-	27.08	2000.	J
18.	UNKNOWN	28.97	1000.	J
19.	UNKNOWN	29.32	4000.	J
20.	UNKNOWN	30.91	900.	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4086

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	830.	U
111-44-4	bis(2-Chloroethyl)ether	830.	U
95-57-8	2-Chlorophenol	830.	U
541-73-1	1,3-Dichlorobenzene	830.	U
106-46-7	1,4-Dichlorobenzene	830.	U
95-50-1	1,2-Dichlorobenzene	830.	U
95-48-7	2-Methylphenol	830.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	830.	U
106-44-5	4-Methylphenol	830.	U
621-64-7	N-Nitroso-Di-n-propylamine	830.	U
67-72-1	Hexachloroethane	830.	U
98-95-3	Nitrobenzene	830.	U
78-59-1	Isophorone	830.	U
88-75-5	2-Nitrophenol	830.	U
105-67-9	2,4-Dimethylphenol	830.	U
111-91-1	bis(2-Chloroethoxy)methane	830.	U
120-83-2	2,4-Dichlorophenol	830.	U
120-82-1	1,2,4-Trichlorobenzene	830.	U
91-20-3	Naphthalene	830.	U
106-47-8	4-Chloroaniline	830.	U
87-68-3	Hexachlorobutadiene	160.	J
59-50-7	4-Chloro-3-methylphenol	830.	U
91-57-6	2-Methylnaphthalene	830.	U
77-47-4	Hexachlorocyclopentadiene	830.	U
88-06-2	2,4,6-Trichlorophenol	830.	U
95-95-4	2,4,5-Trichlorophenol	2000.	U
91-58-7	2-Chloronaphthalene	830.	U
88-74-4	2-Nitroaniline	2000.	U
131-11-3	Dimethylphthalate	830.	U
208-96-8	Acenaphthylene	830.	U
606-20-2	2,6-Dinitrotoluene	830.	U
99-09-2	3-Nitroaniline	2000.	U
83-32-9	Acenaphthene	830.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4086

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 20 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000.	U
100-02-7	4-Nitrophenol	2000.	U
132-64-9	Dibenzofuran	830.	U
121-14-2	2,4-Dinitrotoluene	830.	U
84-66-2	Diethylphthalate	830.	U
7005-72-3	4-Chlorophenyl-phenylether	830.	U
86-73-7	Fluorene	830.	U
100-01-6	4-Nitroaniline	2000.	U
534-52-1	4,6-Dinitro-2-methylphenol	2000.	U
86-30-6	N-Nitrosodiphenylamine (1)	830.	U
101-55-3	4-Bromophenyl-phenylether	830.	U
118-74-1	Hexachlorobenzene	830.	U
87-86-5	Pentachlorophenol	2000.	U
85-01-8	Phenanthrene	830.	U
120-12-7	Anthracene	830.	U
86-74-8	Carbazole	830.	U
84-74-2	Di-n-butylphthalate	340.	J
206-44-0	Fluoranthene	830.	U
129-00-0	Pyrene	830.	U
85-68-7	Butylbenzylphthalate	830.	U
91-94-1	3,3'-Dichlorobenzidine	830.	U
56-55-3	Benzo(a)anthracene	830.	U
218-01-9	Chrysene	830.	U
117-81-7	bis(2-Ethylhexyl)phthalate	3800.	B
117-84-0	Di-n-octylphthalate	830.	U
205-99-2	Benzo(b)fluoranthene	830.	U
207-08-9	Benzo(k)fluoranthene	830.	U
50-32-8	Benzo(a)pyrene	830.	U
193-39-5	Indeno(1,2,3-cd)pyrene	830.	U
53-70-3	Dibenz(a,h)anthracene	830.	U
191-24-2	Benzo(g,h,i)perylene	830.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-8

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4086

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 20 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.6

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.21	600.	J
2.	UNKNOWN	15.57	500.	J
3.	UNKNOWN	17.31	500.	J
4.	UNKNOWN	19.93	1000.	J
5.	1,1'-BIPHENYL, TRICHLORO-	21.75	400.	J
6.	1,1'-BIPHENYL, TRICHLORO-	22.33	1000.	J
7.	1,1'-BIPHENYL, TETRACHLORO-	22.56	300.	J
8.	1,1'-BIPHENYL, TETRACHLORO-	23.19	1000.	J
9.	1,1'-BIPHENYL, TETRACHLORO-	23.26	700.	J
10.	1,1'-BIPHENYL, TETRACHLORO-	23.54	1000.	J
11.	1,1'-BIPHENYL, TETRACHLORO-	23.79	1000.	J
12.	1,1'-BIPHENYL, TETRACHLORO-	24.28	700.	J
13.	1,1'-BIPHENYL, TETRACHLORO-	24.37	2000.	J
14.	1,1'-BIPHENYL, TETRACHLORO-	24.44	1000.	J
15.	UNKNOWN	24.70	700.	J
16.	1,1'-BIPHENYL, TETRACHLORO-	24.79	700.	J
17.	1,1'-BIPHENYL, PENTACHLORO-	24.90	1000.	J
18.	1,1'-BIPHENYL, PENTACHLORO-	25.01	400.	J
19.	UNKNOWN	26.51	1000.	J
20.	UNKNOWN	29.10	700.	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4087

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.6 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450.	U
111-44-4	bis(2-Chloroethyl)ether	450.	U
95-57-8	2-Chlorophenol	450.	U
541-73-1	1,3-Dichlorobenzene	450.	U
106-46-7	1,4-Dichlorobenzene	450.	U
95-50-1	1,2-Dichlorobenzene	450.	U
95-48-7	2-Methylphenol	450.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450.	U
106-44-5	4-Methylphenol	450.	U
621-64-7	N-Nitroso-Di-n-propylamine	450.	U
67-72-1	Hexachloroethane	450.	U
98-95-3	Nitrobenzene	450.	U
78-59-1	Isophorone	450.	U
88-75-5	2-Nitrophenol	450.	U
105-67-9	2,4-Dimethylphenol	450.	U
111-91-1	bis(2-Chloroethoxy)methane	450.	U
120-83-2	2,4-Dichlorophenol	450.	U
120-82-1	1,2,4-Trichlorobenzene	450.	U
91-20-3	Naphthalene	450.	U
106-47-8	4-Chloroaniline	450.	U
87-68-3	Hexachlorobutadiene	450.	U
59-50-7	4-Chloro-3-methylphenol	450.	U
91-57-6	2-Methylnaphthalene	450.	U
77-47-4	Hexachlorocyclopentadiene	450.	U
88-06-2	2,4,6-Trichlorophenol	450.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	450.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	450.	U
208-96-8	Acenaphthylene	450.	U
606-20-2	2,6-Dinitrotoluene	450.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	450.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4087

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.6 Conversion Factor: 1.0

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	450.	U
121-14-2	2,4-Dinitrotoluene	450.	U
84-66-2	Diethylphthalate	450.	U
7005-72-3	4-Chlorophenyl-phenylether	450.	U
86-73-7	Fluorene	450.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	450.	U
101-55-3	4-Bromophenyl-phenylether	450.	U
118-74-1	Hexachlorobenzene	450.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	76.	J
120-12-7	Anthracene	450.	U
86-74-8	Carbazole	450.	U
84-74-2	Di-n-butylphthalate	310.	J
206-44-0	Fluoranthene	160.	J
129-00-0	Pyrene	170.	J
85-68-7	Butylbenzylphthalate	450.	U
91-94-1	3,3'-Dichlorobenzidine	450.	U
56-55-3	Benzo(a)anthracene	89.	J
218-01-9	Chrysene	110.	J
117-81-7	bis(2-Ethylhexyl)phthalate	310.	JB
117-84-0	Di-n-octylphthalate	450.	U
205-99-2	Benzo(b)fluoranthene	87.	J
207-08-9	Benzo(k)fluoranthene	96.	J
50-32-8	Benzo(a)pyrene	84.	J
193-39-5	Indeno(1,2,3-cd)pyrene	450.	U
53-70-3	Dibenz(a,h)anthracene	450.	U
191-24-2	Benzo(g,h,i)perylene	450.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-9

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4087

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 27 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.6

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3658808	TRISULFIDE, DIMETHYL	9.22	300.	JN
2.	UNKNOWN	10.73	400.	J
3.	UNKNOWN	13.75	600.	J
4.	UNKNOWN	15.20	200.	J
5.	UNKNOWN	22.82	400.	J
6.	UNKNOWN	24.13	200.	J
7.	1,1'-BIPHENYL, TETRACHLORO-	24.23	200.	J
8.	1,1'-BIPHENYL, TETRACHLORO-	24.30	500.	J
9.	1,1'-BIPHENYL, TETRACHLORO-	24.72	400.	J
10.	1,1'-BIPHENYL, PENTACHLORO-	24.84	400.	J
11.	UNKNOWN	25.25	200.	J
12.	1,1'-BIPHENYL, PENTACHLORO-	26.09	200.	J
13.	1,1'-BIPHENYL, HEXACHLORO-	26.51	200.	J
14.	1,1'-BIPHENYL, PENTACHLORO-	26.62	200.	J
15.	1,1'-BIPHENYL, HEXACHLORO-	27.06	200.	J
16.	UNKNOWN ALKANE	27.84	300.	J
17.	UNKNOWN	29.41	700.	J
18.	UNKNOWN	30.15	200.	J
19.	UNKNOWN ALKANE	30.89	800.	J
20.	UNKNOWN ALKANE	32.53	700.	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4088

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.7 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460.	U
111-44-4	bis(2-Chloroethyl)ether	460.	U
95-57-8	2-Chlorophenol	460.	U
541-73-1	1,3-Dichlorobenzene	460.	U
106-46-7	1,4-Dichlorobenzene	460.	U
95-50-1	1,2-Dichlorobenzene	460.	U
95-48-7	2-Methylphenol	460.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460.	U
106-44-5	4-Methylphenol	460.	U
621-64-7	N-Nitroso-Di-n-propylamine	460.	U
67-72-1	Hexachloroethane	460.	U
98-95-3	Nitrobenzene	460.	U
78-59-1	Isophorone	460.	U
88-75-5	2-Nitrophenol	460.	U
105-67-9	2,4-Dimethylphenol	460.	U
111-91-1	bis(2-Chloroethoxy)methane	460.	U
120-83-2	2,4-Dichlorophenol	460.	U
120-82-1	1,2,4-Trichlorobenzene	460.	U
91-20-3	Naphthalene	460.	U
106-47-8	4-Chloroaniline	460.	U
87-68-3	Hexachlorobutadiene	460.	U
59-50-7	4-Chloro-3-methylphenol	460.	U
91-57-6	2-Methylnaphthalene	460.	U
77-47-4	Hexachlorocyclopentadiene	460.	U
88-06-2	2,4,6-Trichlorophenol	460.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
91-58-7	2-Chloronaphthalene	460.	U
88-74-4	2-Nitroaniline	1100.	U
131-11-3	Dimethylphthalate	460.	U
208-96-8	Acenaphthylene	460.	U
606-20-2	2,6-Dinitrotoluene	460.	U
99-09-2	3-Nitroaniline	1100.	U
83-32-9	Acenaphthene	460.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4088

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.7 Conversion Factor: 1.0

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	460.	U
121-14-2	2,4-Dinitrotoluene	460.	U
84-66-2	Diethylphthalate	460.	U
7005-72-3	4-Chlorophenyl-phenylether	460.	U
86-73-7	Fluorene	460.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	460.	U
101-55-3	4-Bromophenyl-phenylether	460.	U
118-74-1	Hexachlorobenzene	460.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	460.	U
120-12-7	Anthracene	460.	U
86-74-8	Carbazole	460.	U
84-74-2	Di-n-butylphthalate	380.	J
206-44-0	Fluoranthene	460.	U
129-00-0	Pyrene	460.	U
85-68-7	Butylbenzylphthalate	460.	U
91-94-1	3,3'-Dichlorobenzidine	460.	U
56-55-3	Benzo(a)anthracene	460.	U
218-01-9	Chrysene	460.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000.	B
117-84-0	Di-n-octylphthalate	460.	U
205-99-2	Benzo(b)fluoranthene	460.	U
207-08-9	Benzo(k)fluoranthene	460.	U
50-32-8	Benzo(a)pyrene	460.	U
193-39-5	Indeno(1,2,3-cd)pyrene	460.	U
53-70-3	Dibenz(a,h)anthracene	460.	U
191-24-2	Benzo(g,h,i)perylene	460.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4088

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 3.7

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.94	100.	J
2.	UNKNOWN	10.73	100.	J
3.	UNKNOWN	12.58	200.	J
4.	UNKNOWN	13.75	100.	J
5.	UNKNOWN	14.44	200.	J
6.	UNKNOWN	21.08	100.	J
7.	UNKNOWN	24.98	500.	J
8.	UNKNOWN ALKANE	25.25	100.	J
9.	UNKNOWN	25.82	400.	J
10.	UNKNOWN ALKANE	26.15	200.	J
11.	UNKNOWN	26.88	100.	J
12.	UNKNOWN ALKANE	27.02	200.	J
13.	UNKNOWN ALKANE	27.85	400.	J
14.	UNKNOWN	28.31	200.	J
15.	UNKNOWN ALKANE	28.66	400.	J
16.	UNKNOWN ALKANE	29.42	500.	J
17.	UNKNOWN ALKANE	30.17	600.	J
18.	UNKNOWN ALKANE	30.90	800.	J
19.	UNKNOWN ALKANE	32.54	800.	J
20.	UNKNOWN ALKANE	33.54	400.	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4089

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8 Conversion Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460.	U
111-44-4	bis(2-Chloroethyl)ether	460.	U
95-57-8	2-Chlorophenol	460.	U
541-73-1	1,3-Dichlorobenzene	460.	U
106-46-7	1,4-Dichlorobenzene	460.	U
95-50-1	1,2-Dichlorobenzene	460.	U
95-48-7	2-Methylphenol	460.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460.	U
106-44-5	4-Methylphenol	460.	U
621-64-7	N-Nitroso-Di-n-propylamine	460.	U
67-72-1	Hexachloroethane	460.	U
98-95-3	Nitrobenzene	460.	U
78-59-1	Isophorone	460.	U
88-75-5	2-Nitrophenol	460.	U
105-67-9	2,4-Dimethylphenol	460.	U
111-91-1	bis(2-Chloroethoxy)methane	460.	U
120-83-2	2,4-Dichlorophenol	460.	U
120-82-1	1,2,4-Trichlorobenzene	460.	U
91-20-3	Naphthalene	460.	U
106-47-8	4-Chloroaniline	460.	U
87-68-3	Hexachlorobutadiene	460.	U
59-50-7	4-Chloro-3-methylphenol	460.	U
91-57-6	2-Methylnaphthalene	460.	U
77-47-4	Hexachlorocyclopentadiene	460.	U
88-06-2	2,4,6-Trichlorophenol	1100.	U
95-95-4	2,4,5-Trichlorophenol	460.	U
91-58-7	2-Chloronaphthalene	1100.	U
88-74-4	2-Nitroaniline	460.	U
131-11-3	Dimethylphthalate	460.	U
208-96-8	Acenaphthylene	460.	U
606-20-2	2,6-Dinitrotoluene	1100.	U
99-09-2	3-Nitroaniline	460.	U
83-32-9	Acenaphthene	460.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4089

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8 Conversion Factor: 1.0

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	460.	U
121-14-2	2,4-Dinitrotoluene	460.	U
84-66-2	Diethylphthalate	460.	U
7005-72-3	4-Chlorophenyl-phenylether	460.	U
86-73-7	Fluorene	460.	U
100-01-6	4-Nitroaniline	1100.	U
534-52-1	4,6-Dinitro-2-methylphenol	1100.	U
86-30-6	N-Nitrosodiphenylamine (1)	460.	U
101-55-3	4-Bromophenyl-phenylether	460.	U
118-74-1	Hexachlorobenzene	460.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	73.	J
120-12-7	Anthracene	62.	J
86-74-8	Carbazole	460.	U
84-74-2	Di-n-butylphthalate	250.	J
206-44-0	Fluoranthene	140.	J
129-00-0	Pyrene	140.	J
85-68-7	Butylbenzylphthalate	460.	U
91-94-1	3,3'-Dichlorobenzidine	460.	U
56-55-3	Benzo(a)anthracene	460.	U
218-01-9	Chrysene	110.	J
117-81-7	bis(2-Ethylhexyl)phthalate	1500.	
117-84-0	Di-n-octylphthalate	460.	U
205-99-2	Benzo(b)fluoranthene	110.	J
207-08-9	Benzo(k)fluoranthene	88.	J
50-32-8	Benzo(a)pyrene	460.	U
193-39-5	Indeno(1,2,3-cd)pyrene	460.	U
53-70-3	Dibenz(a,h)anthracene	460.	U
191-24-2	Benzo(g,h,i)perylene	460.	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC. Contract: SAUGET SA 1 & 2

Lab Code: --- Case No.: --- SAS No.: --- SDG No.: X101

Matrix: (soil/water) SOIL Lab Sample ID: 2343-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: >W4089

Level: (low/med) LOW Date Received: 11/09/94

% Moisture: not dec. 29 decanted:(Y/N) N Date Extracted: 11/18/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/30/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.72	300.	J
2.	UNKNOWN	15.20	600.	J
3.	UNKNOWN	16.41	300.	J
4.	UNKNOWN ALKANE	20.07	600.	J
5.	UNKNOWN	20.88	600.	J
6.	UNKNOWN	21.66	400.	J
7.	UNKNOWN	21.95	300.	J
8.	UNKNOWN	22.34	700.	J
9.	UNKNOWN	22.78	500.	J
10.	UNKNOWN	22.92	3000.	J
11.	UNKNOWN	22.99	900.	J
12.	UNKNOWN	24.13	300.	J
13.	UNKNOWN	24.20	300.	J
14.	UNKNOWN	24.84	3000.	J
15.	UNKNOWN	26.88	800.	J
16.	UNKNOWN ALKANE	27.86	600.	J
17.	UNKNOWN	29.43	1000.	J
18.	UNKNOWN ALKANE	30.91	900.	J
19.	UNKNOWN ALKANE	32.56	900.	J
20.	UNKNOWN	33.42	700.	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 26 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.6

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-1
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/24/94
Dilution Factor: 200.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	460	U
319-85-7	beta-BHC	460	U
319-86-8	delta-BHC	460	U
58-89-9	gamma-BHC(Lindane)	460	U
76-44-8	Heptachlor	460	U
309-00-2	Aldrin	460	U
1024-57-3	Heptachlor Epoxide	460	U
959-98-8	Endosulfan I	460	U
60-57-1	Dieldrin	880	U
72-55-9	4,4'-DDE	880	U
72-20-8	Endrin	880	U
33213-65-9	Endosulfan II	880	U
72-54-8	4,4'-DDD	880	U
1013-07-8	Endosulfan sulfate	880	U
50-29-3	4,4'-DDT	880	U
72-43-5	Methoxychlor	4600	U
53494-70-5	Endrin ketone	880	U
7421-36-3	Endrin aldehyde	880	U
5103-71-9	alpha-Chlordane	460	U
5103-74-2	gamma-Chlordane	460	U
8001-35-2	Toxaphene	46000	U
12674-11-2	Aroclor 1016	8800	U
11104-28-2	Aroclor 1221	18000	U
11141-16-5	Aroclor 1232	8800	U
53469-21-9	Aroclor 1242	8800	U
12672-29-6	Aroclor 1248	8800	U
11097-69-1	Aroclor 1254	140000	E
11096-82-5	Aroclor 1260	83000	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101DL

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 26 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.6

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-1DL
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/24/94
Dilution Factor: 500.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	1200	U
319-85-7	beta-BHC	1200	U
319-86-8	delta-BHC	1200	U
58-89-9	gamma-BHC(Lindane)	1200	U
76-44-8	Heptachlor	1200	U
309-00-2	Aldrin	1200	U
1024-57-3	Heptachlor Epoxide	1200	U
959-98-8	Endosulfan I	1200	U
60-57-1	Dieldrin	2200	U
72-55-9	4,4'-DDE	2200	U
72-20-8	Endrin	2200	U
33213-65-9	Endosulfan II	2200	U
72-54-8	4,4'-DDD	2200	U
1013-07-8	Endosulfan sulfate	2200	U
50-29-3	4,4'-DDT	2200	U
72-43-5	Methoxychlor	12000	U
53494-70-5	Endrin ketone	2200	U
7421-36-3	Endrin aldehyde	2200	U
5103-71-9	alpha-Chlordane	1200	U
5103-74-2	gamma-Chlordane	1200	U
8001-35-2	Toxaphene	120000	U
12674-11-2	Aroclor 1016	22000	U
11104-28-2	Aroclor 1221	45000	U
11141-16-5	Aroclor 1232	22000	U
53469-21-9	Aroclor 1242	22000	U
12672-29-6	Aroclor 1248	22000	U
11097-69-1	Aroclor 1254	110000	P
11096-82-5	Aroclor 1260	72000	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 23 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.6

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-2
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 1.0
Sulfur Cleanup : 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
1013-07-8	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	87	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	730	PE
11096-82-5	Aroclor 1260	460	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102DL

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 23 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.6

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-2DL
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 5.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC(Lindane)	11	U
76-44-8	Heptachlor	11	U
309-00-2	Aldrin	11	U
1024-57-3	Heptachlor Epoxide	11	U
959-98-8	Endosulfan I	11	U
60-57-1	Dieldrin	22	U
72-55-9	4,4'-DDE	22	U
72-20-8	Endrin	22	U
33213-65-9	Endosulfan II	22	U
72-54-8	4,4'-DDD	22	U
1013-07-8	Endosulfan sulfate	22	U
50-29-3	4,4'-DDT	22	U
72-43-5	Methoxychlor	110	U
53494-70-5	Endrin ketone	22	U
7421-36-3	Endrin aldehyde	22	U
5103-71-9	alpha-Chlordane	11	U
5103-74-2	gamma-Chlordane	11	U
8001-35-2	Toxaphene	1100	U
12674-11-2	Aroclor 1016	220	U
11104-28-2	Aroclor 1221	440	U
11141-16-5	Aroclor 1232	220	U
53469-21-9	Aroclor 1242	220	U
12672-29-6	Aroclor 1248	220	U
11097-69-1	Aroclor 1254	1100	P
11096-82-5	Aroclor 1260	820	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 26 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.8

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-3
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/24/94
Dilution Factor: 1.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC(Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
72-54-8	4,4'-DDD	4.4	U
1013-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-36-3	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor 1016	44	U
11104-28-2	Aroclor 1221	90	U
11141-16-5	Aroclor 1232	44	U
53469-21-9	Aroclor 1242	44	U
12672-29-6	Aroclor 1248	500	
11097-69-1	Aroclor 1254	1400	E
11096-82-5	Aroclor 1260	960	E

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103DL

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 26 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.8

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-3DL
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 10.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC(Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor Epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	44	U
72-55-9	4,4'-DDE	44	U
72-20-8	Endrin	44	U
33213-65-9	Endosulfan II	44	U
72-54-8	4,4'-DDD	44	U
1013-07-8	Endosulfan sulfate	44	U
50-29-3	4,4'-DDT	44	U
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	44	U
7421-36-3	Endrin aldehyde	44	U
5103-71-9	alpha-Chlordane	23	U
5103-74-2	gamma-Chlordane	23	U
8001-35-2	Toxaphene	2300	U
12674-11-2	Aroclor 1016	440	U
11104-28-2	Aroclor 1221	900	U
11141-16-5	Aroclor 1232	440	U
53469-21-9	Aroclor 1242	440	U
12672-29-6	Aroclor 1248	720	
11097-69-1	Aroclor 1254	2300	
11096-82-5	Aroclor 1260	1500	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 28 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.7

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-4
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 50
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	120	U
319-85-7	beta-BHC	120	U
319-86-8	delta-BHC	120	U
58-89-9	gamma-BHC(Lindane)	120	U
76-44-8	Heptachlor	120	U
309-00-2	Aldrin	120	U
1024-57-3	Heptachlor Epoxide	120	U
959-98-8	Endosulfan I	120	U
60-57-1	Dieldrin	230	U
72-55-9	4,4'-DDE	230	U
72-20-8	Endrin	230	U
33213-65-9	Endosulfan II	230	U
72-54-8	4,4'-DDD	230	U
1013-07-8	Endosulfan sulfate	230	U
50-29-3	4,4'-DDT	230	U
72-43-5	Methoxychlor	1200	U
53494-70-5	Endrin ketone	230	U
7421-36-3	Endrin aldehyde	230	U
5103-71-9	alpha-Chlordane	120	U
5103-74-2	gamma-Chlordane	120	U
8001-35-2	Toxaphene	12000	U
12674-11-2	Aroclor 1016	2300	U
11104-28-2	Aroclor 1221	4600	U
11141-16-5	Aroclor 1232	2300	U
53469-21-9	Aroclor 1242	2300	U
12672-29-6	Aroclor 1248	2300	U
11097-69-1	Aroclor 1254	14000	P
11096-82-5	Aroclor 1260	12000	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 24 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 2.6

Contract: SAUGET 1+2
SDG No.: X101
Lab Sample ID : 2343-5
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/24/94
Dilution Factor: 10.0
Sulfur Cleanup : 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
1013-07-8	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	880	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	14000	E
11096-82-5	Aroclor 1260	6500	P

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105DL

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 24 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 2.6

Contract: SAUGET 1+2
SDG No.: X101
Lab Sample ID : 2343-5DL
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/24/94
Dilution Factor: 100.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	220	U
319-85-7	beta-BHC	220	U
319-86-8	delta-BHC	220	U
58-89-9	gamma-BHC(Lindane)	220	U
76-44-8	Heptachlor	220	U
309-00-2	Aldrin	220	U
1024-57-3	Heptachlor Epoxide	220	U
959-98-8	Endosulfan I	220	U
60-57-1	Dieldrin	430	U
72-55-9	4,4'-DDE	430	U
72-20-8	Endrin	430	U
33213-65-9	Endosulfan II	430	U
72-54-8	4,4'-DDD	430	U
1013-07-8	Endosulfan sulfate	430	U
50-29-3	4,4'-DDT	430	U
72-43-5	Methoxychlor	2200	U
53494-70-5	Endrin ketone	430	U
7421-36-3	Endrin aldehyde	430	U
5103-71-9	alpha-Chlordane	220	U
5103-74-2	gamma-Chlordane	220	U
8001-35-2	Toxaphene	22000	U
12674-11-2	Aroclor 1016	4300	U
11104-28-2	Aroclor 1221	8800	U
11141-16-5	Aroclor 1232	4300	U
53469-21-9	Aroclor 1242	4300	U
12672-29-6	Aroclor 1248	4300	U
11097-69-1	Aroclor 1254	22000	
11096-82-5	Aroclor 1260	9900	P

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 20 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.1

Contract: SAUGET 1+2
SDG No.: X101
Lab Sample ID : 2343-6
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 50.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	100	U
319-85-7	beta-BHC	100	U
319-86-8	delta-BHC	100	U
58-89-9	gamma-BHC(Lindane)	100	U
76-44-8	Heptachlor	100	U
309-00-2	Aldrin	100	U
1024-57-3	Heptachlor Epoxide	100	U
959-98-8	Endosulfan I	100	U
60-57-1	Dieldrin	200	U
72-55-9	4,4'-DDE	200	U
72-20-8	Endrin	200	U
33213-65-9	Endosulfan II	200	U
72-54-8	4,4'-DDD	200	U
1013-07-8	Endosulfan sulfate	200	U
50-29-3	4,4'-DDT	200	U
72-43-5	Methoxychlor	1000	U
53494-70-5	Endrin ketone	200	U
7421-36-3	Endrin aldehyde	200	U
5103-71-9	alpha-Chlordane	200	U
5103-74-2	gamma-Chlordane	200	U
8001-35-2	Toxaphene	10000	U
12674-11-2	Aroclor 1016	2000	U
11104-28-2	Aroclor 1221	4200	U
11141-16-5	Aroclor 1232	2000	U
53469-21-9	Aroclor 1242	2000	U
12672-29-6	Aroclor 1248	2000	U
11097-69-1	Aroclor 1254	1700	P
11096-82-5	Aroclor 1260	2300	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 24 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 6.0

Contract: SAUGET 1+2
SDG No.: X101
Lab Sample ID : 2343-7
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/24/94
Dilution Factor: 10.0
Sulfur Cleanup : 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
1013-07-8	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	880	U
11141-16-5	Aroclor 1232	430	U
53469-21-9	Aroclor 1242	430	U
12672-29-6	Aroclor 1248	4800	P
11097-69-1	Aroclor 1254	11000	E
11096-82-5	Aroclor 1260	8800	PE

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107DL

Lab Name: ARDL, INC. Contract: SAUGET 1+2
Lab Code: Case No.: 2343 SDG No.: X101
Matrix(soil/water) : SOIL Lab Sample ID : 2343-7DL
Sample(wt/vol) : 30.0 (g/mL) g Lab File ID :
% Moisture: 24 decanted:(Y/N) N Date Received : 11/09/94
Extraction(Sepf/Cont/Sonc) SONC Date Extracted : 11/16/94
Concentrated Extract Volume:5000(uL) Date Analyzed : 11/24/94
Injection Volume: 1 (uL) Dilution Factor: 100.0
GPC Cleanup:(Y/N) Y pH: 6.0 Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	220	U
319-85-7	beta-BHC	220	U
319-86-8	delta-BHC	220	U
58-89-9	gamma-BHC(Lindane)	220	U
76-44-8	Heptachlor	220	U
309-00-2	Aldrin	220	U
1024-57-3	Heptachlor Epoxide	220	U
959-98-8	Endosulfan I	220	U
60-57-1	Dieldrin	430	U
72-55-9	4,4'-DDE	430	U
72-20-8	Endrin	430	U
33213-65-9	Endosulfan II	430	U
72-54-8	4,4'-DDD	430	U
1013-07-8	Endosulfan sulfate	430	U
50-29-3	4,4'-DDT	430	U
72-43-5	Methoxychlor	2200	U
53494-70-5	Endrin ketone	430	U
7421-36-3	Endrin aldehyde	430	U
5103-71-9	alpha-Chlordane	220	U
5103-74-2	gamma-Chlordane	220	U
8001-35-2	Toxaphene	22000	U
12674-11-2	Aroclor 1016	4300	U
11104-28-2	Aroclor 1221	8800	U
11141-16-5	Aroclor 1232	4300	U
53469-21-9	Aroclor 1242	4300	U
12672-29-6	Aroclor 1248	11000	P
11097-69-1	Aroclor 1254	17000	
11096-82-5	Aroclor 1260	11000	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ARDL, INC. Contract: SAUGET 1+2
Lab Code: Case No.: 2343 SDG No.: X101
Matrix(soil/water) : SOIL Lab Sample ID : 2343-8
Sample(wt/vol) : 30.0 (g/mL) g Lab File ID :
% Moisture: 20 decanted:(Y/N) N Date Received : 11/09/94
Extraction(Sepf/Cont/Sonc) SONC Date Extracted : 11/16/94
Concentrated Extract Volume:5000(uL) Date Analyzed : 11/24/94
Injection Volume: 1 (uL) Dilution Factor: 10.0
GPC Cleanup:(Y/N) Y pH: 6.6 Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC(Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor Epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	41	U
72-55-9	4,4'-DDE	41	U
72-20-8	Endrin	41	U
33213-65-9	Endosulfan II	41	U
72-54-8	4,4'-DDD	41	U
1013-07-8	Endosulfan sulfate	41	U
50-29-3	4,4'-DDT	41	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	41	U
7421-36-3	Endrin aldehyde	41	U
5103-71-9	alpha-Chlordane	21	U
5103-74-2	gamma-Chlordane	21	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor 1016	410	U
11104-28-2	Aroclor 1221	840	U
11141-16-5	Aroclor 1232	410	U
53469-21-9	Aroclor 1242	410	U
12672-29-6	Aroclor 1248	16000	PE
11097-69-1	Aroclor 1254	21000	E
11096-82-5	Aroclor 1260	9300	PE

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108DL

Lab Name: ARDL, INC. Contract: SAUGET 1+2
Lab Code: Case No.: 2343 SDG No.: X101
Matrix(soil/water) : SOIL Lab Sample ID : 2343-8DL
Sample(wt/vol) : 30.0 (g/mL) g Lab File ID :
% Moisture: 20 decanted:(Y/N) N Date Received : 11/09/94
Extraction(Sepf/Cont/Sonc) SONC Date Extracted : 11/16/94
Concentrated Extract Volume:5000(uL) Date Analyzed : 11/24/94
Injection Volume: 1 (uL) Dilution Factor: 100.0
GPC Cleanup:(Y/N) Y pH: 6.6 Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	210	U
319-85-7	beta-BHC	210	U
319-86-8	delta-BHC	210	U
58-89-9	gamma-BHC(Lindane)	210	U
76-44-8	Heptachlor	210	U
309-00-2	Aldrin	210	U
1024-57-3	Heptachlor Epoxide	210	U
959-98-8	Endosulfan I	210	U
60-57-1	Dieldrin	410	U
72-55-9	4,4'-DDE	410	U
72-20-8	Endrin	410	U
33213-65-9	Endosulfan II	410	U
72-54-8	4,4'-DDD	410	U
1013-07-8	Endosulfan sulfate	410	U
50-29-3	4,4'-DDT	410	U
72-43-5	Methoxychlor	2100	U
53494-70-5	Endrin ketone	410	U
7421-36-3	Endrin aldehyde	410	U
5103-71-9	alpha-Chlordane	210	U
5103-74-2	gamma-Chlordane	210	U
8001-35-2	Toxaphene	21000	U
12674-11-2	Aroclor 1016	4100	U
11104-28-2	Aroclor 1221	8400	U
11141-16-5	Aroclor 1232	4100	U
53469-21-9	Aroclor 1242	4100	U
12672-29-6	Aroclor 1248	28000	
11097-69-1	Aroclor 1254	36000	
11096-82-5	Aroclor 1260	15000	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 27 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 3.6

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-9
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 1.0
Sulfur Cleanup : N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC(Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.5	U
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
72-54-8	4,4'-DDD	4.5	U
1013-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-36-3	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor 1016	45	U
11104-28-2	Aroclor 1221	92	U
11141-16-5	Aroclor 1232	45	U
53469-21-9	Aroclor 1242	45	U
12672-29-6	Aroclor 1248	45	U
11097-69-1	Aroclor 1254	72	P
11096-82-5	Aroclor 1260	140	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 29 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 3.7

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-10
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 1.0
Sulfur Cleanup : 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	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1013-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	4.6	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	46	U
11104-28-2	Aroclor 1221	94	U
11141-16-5	Aroclor 1232	46	U
53469-21-9	Aroclor 1242	46	U
12672-29-6	Aroclor 1248	46	U
11097-69-1	Aroclor 1254	410	P
11096-82-5	Aroclor 1260	390	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ARDL, INC.
Lab Code: Case No.: 2343
Matrix(soil/water) : SOIL
Sample(wt/vol) : 30.0 (g/mL) g
% Moisture: 29 decanted:(Y/N) N
Extraction(Sepf/Cont/Sonc) SONC
Concentrated Extract Volume:5000(uL)
Injection Volume: 1 (uL)
GPC Cleanup:(Y/N) Y pH: 5.8

Contract: SAUGET SA 1+2
SDG No.: X101
Lab Sample ID : 2343-11
Lab File ID :
Date Received : 11/09/94
Date Extracted : 11/16/94
Date Analyzed : 11/23/94
Dilution Factor: 1.0
Sulfur Cleanup : 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	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1013-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	4.6	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	46	U
11104-28-2	Aroclor 1221	94	U
11141-16-5	Aroclor 1232	46	U
53469-21-9	Aroclor 1242	46	U
12672-29-6	Aroclor 1248	46	U
11097-69-1	Aroclor 1254	470	
11096-82-5	Aroclor 1260	300	