SDMS US EPA REGION V -1

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150799

[redacted] Seal # 7507

Date Sealed: 5/18/92 By: RKH

Facility Name: MONSANTO SITE R
Region: COLLINSVILLE
County: ST. CLAIR

Site Inventory # : 1531210003
Site Billing Code: LP52-012
Project Manager : PAUL TAKACS

[redacted]	Sample I.D.	Sample Date	Sample Time
	SB131618	5/21/92	1100

Sample Appearance: Dark brown to Dark gray silt

Collector Comments: None

Sampler Signature: Rod Hackler Division/Company: Ecology & Environment

CONTAINER			ANALYSIS	FILTERING		
Code	Size	Preser		(Y/N)	Date	Time
14	2oz	on ice	VOA, ALACHLOR	N		
54	32 oz	on ice	BNA, PEST/PCB, ALLOCHLOR	N		
55			2,4D, 2,4,5T			
11	32oz	on ice	TOTAL METALS, CYANIDE	N		
12			SULFIDE, SULFATE			
13			MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Rod Hackler Signature: Rod Hackler

Date: 5/18/92 Time: 1400 Seal #: 7507 Intact?: Y

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

Sealed by (print): Rod Hackler Signature: Rod Hackler

Date: 5/21/92 Time: 1930 Seal # 7508

Courier - Sample Pickup: Federal Express

1

SAUGET AREA 2
ILD000605790

Reference No. 24

Date 5-7-92

Seal # 7507

CHAIN OF CUSTODY

Date Sealed: 5/18/92 BY: RLM

Facility

Name: MONSANTO SITE

Site Inventory #: 1631210003

Region: COLLINSVILLE

Site Billing Code: LP52-012

County: St. CLAIR

Project Manager: PAUL TAKACS

	Sample I.D.	Sample Date	Sample Time
	SB133032	5/21/92	1405

Sample Appearance: gray to black silt and clay

Collector Comments:

Sampler Signature: Rod Hackler Division/Company Ecology & Environmen

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Preser		(Y/N)	Date	Time
1	14	2oz	on ice	VOA, ALACHLOR	N		
1	54	32 oz	on ice	BNA, PESTYPCB, ALCOHLOR,	N		
	55			2,4D, 2,4,5T			
1	11	32oz	on ice	TOTAL METALS, CYANIDE,	N		
	12			SULFIDE, SULFATE,			
	13			MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Rod Hackler Signature: Rod Hackler

Date: 5/18/92 Time: 1400 Seal #: 7507 Intact?: (Y) N

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

Sealed by (print): Rod Hackler Signature: Rod Hackler

Date: 5/21/92 Time: 1930 Seal # 7508

Courier - Sample Pickup: Federal Express

0002

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB131618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5546

Level: (low/med) LOW Date Received: 5/21/92

% Moisture: not dec. 37. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 1.00

GC Column: DB624 ID: .53mm

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	26.58	20.	J
2. - -	UNKNOWN	26.92	10.	J
3.				
4.				
5.				
6.				
7.				
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28.				
29.				
30.				

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB131618

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7413-1

Sample wt/vol: 31.48 (g/mL) g Lab File ID: MONS33331

Moisture: 36.7% decanted: (Y/N) N Date Received: 05/22/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) Data Analyzed: 06/03/92

Injection Volume: 2 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
72-54-8	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.2	U
7421-36-3	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
15972-60-8	Alachlor	5.2	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB131618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-1

Sample wt/vol: 32.8 (g/mL) G Lab File ID: A324B

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 37. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/31/92

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.00

Concentrated Extract Volume: 500ul Injection Volume: 2ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2400.	U
132-64-9	Dibenzofuran	480.	U
100-02-7	4-Nitrophenol	2400.	U
121-14-2	2,4-Dinitrotoluene	480.	U
86-73-7	Fluorene	480.	U
84-66-2	Diethyl Phthalate	480.	U
7005-72-3	4-Chlorophenylphenyl Ether	480.	U
100-01-6	4-Nitroaniline	1200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1200.	U
86-30-6	N-Nitrosodiphenylamine	480.	U
101-55-3	4-Bromophenylphenyl Ether	480.	U
118-74-1	Hexachlorobenzene	480.	U
87-86-5	Pentachlorophenol	1200.	U
85-01-8	Phenanthrene	480.	U
120-12-7	Anthracene	480.	U
84-74-2	Di-N-Butyl Phthalate	480.	U
206-44-0	Fluoranthene	480.	U
129-00-0	Pyrene	480.	U
85-68-7	Butyl Benzyl Phthalate	480.	U
91-94-1	3,3'-Dichlorobenzidine	960.	U
56-55-3	Benzo(a)anthracene	480.	U
218-01-9	Chrysene	480.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	360.	BJ
117-84-0	Di-N-Octyl Phthalate	480.	U
205-99-2	Benzo(b)fluoranthene	480.	U
207-08-9	Benzo(k)fluoranthene	480.	U
50-32-8	Benzo(a)pyrene	480.	U
193-39-5	Indeno(1,2,3-cd)pyrene	480.	U
53-70-3	Dibenzo(a,h)anthracene	480.	U
191-24-2	Benzo(ghi)Perylene	480.	U
86-74-8	Carbazole	480.	U

(1) - Cannot be separated from diphenylamine

0005

9 4 1 2 7 0 0 0 0 1 9

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB131618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-1

Sample wt/vol: 32.8 (g/mL) G Lab File ID: A3248

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 37. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/31/92

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.00

Concentrated Extract Volume: 500 ml Injection Volume: 2 ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480.	U
95-57-8	2-Chlorophenol	480.	U
111-44-4	bis(2-Chloroethyl) Ether	480.	U
541-73-1	1,3-Dichlorobenzene	480.	U
106-46-7	1,4-Dichlorobenzene	480.	U
95-50-1	1,2-Dichlorobenzene	480.	U
108-60-1	bis(2-Chloroisopropyl) Ether	480.	U
95-48-7	2-Methyl Phenol	480.	U
67-72-1	Hexachloroethane	480.	U
621-64-7	N-Nitrosodi-N-Propylamine	480.	U
106-44-5	4-Methyl Phenol	480.	U
98-95-3	Nitrobenzene	480.	U
78-59-1	Isophorone	480.	U
88-75-5	2-Nitrophenol	480.	U
105-67-9	2,4-Dimethylphenol	480.	U
111-91-1	bis(2-Chloroethoxy) Methane	480.	U
120-83-2	2,4-Dichlorophenol	480.	U
120-82-1	1,2,4-Trichlorobenzene	480.	U
91-20-3	Naphthalene	480.	U
106-47-8	4-Chloroaniline	480.	U
87-68-3	Hexachlorobutadiene	480.	U
59-50-7	4-Chloro-3-Methyl Phenol	480.	U
91-57-6	2-Methylnaphthalene	480.	U
77-47-4	Hexachlorocyclopentadiene	480.	U
88-06-2	2,4,6-Trichlorophenol	480.	U
95-95-4	2,4,5-Trichlorophenol	2400.	U
91-58-7	2-Chloronaphthalene	480.	U
88-74-4	2-Nitroaniline	2400.	U
131-11-3	Dimethyl Phthalate	480.	U
208-96-8	Acenaphthylene	480.	U
606-20-2	2,6-Dinitrotoluene	480.	U
99-09-2	3-Nitroaniline	2400.	U
83-32-9	Acenaphthene	480.	U

9 5 1 2 7 0 0 0 1 8

0006

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB131618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5546

Level: (low/med) LOW Date Received: 5/21/92

% Moisture: not dec. 37. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 1.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16.	U
74-83-9	Bromomethane	16.	U
75-01-4	Vinyl Chloride	16.	U
75-00-3	Chloroethane	16.	U
75-09-2	Methylene Chloride	16.	U
67-64-1	Acetone	96.	
75-15-0	Carbon Disulfide	16.	U
75-35-4	1,1-Dichloroethene	16.	U
75-34-3	1,1-Dichloroethane	16.	U
540-59-0	trans-1,2-Dichloroethene	16.	U
67-66-3	Chloroform	16.	U
107-06-2	1,2-Dichloroethane	16.	U
78-93-3	2-Butanone	16.	U
71-55-6	1,1,1-Trichloroethane	16.	U
56-23-5	Carbon Tetrachloride	16.	U
75-27-4	Bromodichloromethane	16.	U
78-87-5	1,2-Dichloropropane	16.	U
10061-01-5	cis-1,3-Dichloropropene	16.	U
79-01-6	Trichloroethene	16.	U
124-48-1	Dibromochloromethane	16.	U
79-00-5	1,1,2-Trichloroethane	16.	U
71-43-2	Benzene	16.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U
75-25-2	Bromoform	16.	U
108-10-1	4-Methyl-2-Pentanone	16.	U
591-78-6	2-Hexanone	16.	U
127-18-4	Tetrachloroethene	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	16.	U
108-88-3	Toluene	16.	U
108-90-7	Chlorobenzene	16.	U
100-41-4	Ethylbenzene	16.	U
100-42-5	Styrene	16.	U
1330-20-7	Xylenes (total)	16.	U
156-59-2	cis-1,2-Dichloroethene	16.	U
110-54-3	n-Hexane	16.	U

9612700017

0007

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

: ESE (Peoria) IEPA SAMPLE NO SB131618

SOIL LAB SAMPLE ID 7413-1

; 63.3 DATE RECEIVED 5-22-92

ATION UNITS mg/kg dry weight

TE	CONCENTRATION	C	METHOD	Q
de	0.39	U	C	
de	16.0	U	T	N*
te	4940		C	

ENVIROFORMS/CLP 788

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB131618

Lab Name: ESE, Inc. Contract: IEPA

Lab Code: Case No.: SAS No.: SDG No.: MON196

Matrix (soil/water): SOIL Lab Sample ID: 7413-1

Level (low/med): LOW Date Received: 05/28/92

% Solids: 63.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9760			P
7440-36-0	Antimony	5.2	B	N	P
7440-38-2	Arsenic	61.9			F
7440-39-3	Barium	95.5			P
7440-41-7	Beryllium	2.4			P
7440-43-9	Cadmium	3.8			P
7440-70-2	Calcium	30600			P
7440-47-3	Chromium	31.1			P
7440-48-4	Cobalt	7.0	B		P
7440-50-8	Copper	19.4			P
7439-89-6	Iron	13200			P
7439-92-1	Lead	44.9			F
7439-95-4	Magnesium	2280		E	P
7439-96-5	Manganese	334		N*	P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	22.9			P
7440-09-7	Potassium	957	B		P
7782-49-2	Selenium	2.5		N	F
7440-22-4	Silver	1.6	U		P
7440-23-5	Sodium	700	B		P
7440-28-0	Thallium	2.0	B		F
7440-62-2	Vanadium	67.8			P
7440-66-6	Zinc	325		N	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

EPA - CLP
CHAIN OF CUSTODY

Seal # 7504

Date Sealed: 5/18/92 By: RKM

Facility
Name: MONSANTO SITE
Site Inventory # : 1631210003
Region: COLLINSVILLE
Site Billing Code: LP52-012
County: St. CLAIR
Project Manager : PAUL TAKACS

Laboratory	Sample I.D.	Sample Date	Sample Time
EPA TL	SB16/28-30	5/29/92	1203

Sample Appearance : SILT, SAND, CLAY

Collector Comments: NONE

Sampler Signature : Sherri Johnson Division Company ECOLOGY & ENVIRONMENT

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Preser		(Y/N)	Date	Time
2	14	2oz	ON ICE	VOA ALACHLOR	N		
1	54	32 oz	ON ICE	BNA, PEST/PCB, ALDICHLOR	N		
	55			2,4D, 2,4,5T			
1	11	32oz	ON ICE	TOTAL METALS, CYANIDE,	N		
	12			SULFIDE, SULFATE,			
	13			MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): SHERRI JOHNSON Signature: Sherri Johnson

Date: 5/29/92 Time: 0700 Seal #: 7539 Intact? (Y) / N

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

Sealed by (print): SHERRI JOHNSON Signature: Sherri Johnson

Date: 5/29/92 Time: 1645 Seal # 7540

Courier - Sample Pickup: FEDERAL EXPRESS

0010

EPA - REF
CHAIN OF CUSTODY

Seal # 7539 Rem

Date Sealed: 5/18/92 By: RKM

Facility
Name: MONSANTO SITE R
Site Inventory #: 1631210003
Region: COLLINSVILLE
Site Billing Code: LP52-012
County: ST. CLAIR
Project Manager: PAUL TAKACS

Sampling Area	Sample I.D.	Sample Date	Sample Time
EE PEORIA	SB16/16-18	5/29/92	1039

Sample Appearance : SILT SAND CLAY

Collector Comments: NONE

Sampler Signature : Sherri Johnson Division/Company ECOLOGY & ENVIRONMENT

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Preser		(Y/N)	Date	Time
2	14	2oz	ON ICE	VOA ALACHLOR Rem	N		
2	54	32 oz	ON ICE	BNA, PEST/PCB, ~~CHLOR~~ Rem	N		
	55			2,4D, 2,4,5T			
1	11	32oz	ON ICE	TOTAL METALS, CYANIDE	N		
	12			SULFIDE, SULFATE			
	13			MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): SHERRI JOHNSON Signature: Sherri Johnson

Date: 5/29/92 Time: 0700 Seal #: 7539 Intact?: (Y) / N

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

Sealed by (print): SHERRI JOHNSON Signature: Sherri Johnson

Date: 5/29/92 Time: 1645 Seal # 7540

Courier - Sample Pickup: FEDERAL EXPRESS

0011

CHAIN OF CUSTODY

Date Sealed: 5/18/92 By: [illegible]

Site Name: MONSANTO SITE R

Site Number: 1631210003

Location: COLLINSVILLE

Site Billing Code: LP52-012

County: ST. CLAIR

Project Manager: PAUL TAKACS

Sample I.D.	Sample Date	Sample Time
SB15/16-18'	5/27/92	1517

Sample Appearance: Silty Sand w/ Cinders

Collector Comments: None

Sampler Signature: Sherri Johnson Division Company ECOLOGY & ENVIRONMENT

CONTAINER				ANALYSIS	FILTERING		
Code	Size	Preser			(Y/N)	Date	Time
12	4 32oz	ON ICE	VOA	PLANULOR PT	N		
54	32 oz	ON ICE	BNA, PEST/PCB, ALLDCHLOR,		N		
55			2,4D, 2,4,5T				
11	32oz	ON ICE	TOTAL METALS, CYANIDE,		N		
12			SULFIDE, SULFATE,				
13			MERCURY				

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): BRIGITTA LOMBARDI Signature: [illegible]

Date: 5/26/92 Time: 1500 Seal #: 7509 Intact?: Y N

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

Sealed by (print): SHERRI JOHNSON Signature: Sherri Johnson

Date: 5/27/92 Time: 1715 Seal # 7424

0012

Courier - Sample Pickup: FEDERAL EXPRESS

CHAIN OF CUSTODY RECORD

Date Sealed: 5/26/92 By: [illegible]

Facility Name: MONSANTO SITE 8 — Site Inventory #: 1631211003

Region: COLLINSVILLE — Site Billing Code: LP52-072

County: ST. CLAIR — Project Manager: PAUL TAKACS

Sample I.D.	Sample Date	Sample Time
SR14/30'-32'	5/26/92	1234

Sample Appearance: Silt Sand

Collector Comments: None

Sampler Signature: [signature] Division/Company: ECOLOGY & ENVIRONMENT

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Preser.		(Y/N)	Date	Time
1	14	2oz	ON ICE	NOA	N		
1	54	32 oz	ON ICE	BNA, PEST/PCB, ALLOCHLOR	N		
	55			2,4D, 2,4,5T			
1	11	32oz	ON ICE	TOTAL METALS, CYANIDE,	N		
	12			SULFIDE, SULFATE,			
	13			MERCURY			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): BRIDGET LOMBARDI Signature: [signature]

Date: 5/26/92 Time: 1500 Seal #: 7509 Intact?: (Y) / N

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

Sealed by (print): BRIDGET LOMBARDI Signature: [signature]

Date: 5/26/92 Time: 1800 Seal # 7510

Courier - Sample Pickup: FEDERAL EXPRESS

0013

1501

Date Sealed: 5/26/92 By: [illegible]

Site: MONSANTO SITE R — Site Inventory # : 1631210003

City: COLLINSVILLE — Site Billing Code: LP52-712

County: ST. CLAIR — Project Manager: PAUL TAKACS

	Sample I.D.	Sample Date	Sample Time
[redacted]	5814/20'-22'	5/26/92	1113

Sample Appearance : SILTY CLAY

Collector Comments: None

Sampler Signature : [signature] Division/Company ECOLOGY & ENVIRONMENT

CONTAINER				ANALYSIS		FILTERING		
No.	Code	Size	Preser.			(Y/N)	Date	Time
1	4	2oz	[illegible]	VOA	[illegible]	N		
2	54	32oz	[illegible]	BNA/PEST/PCB	[illegible]	N		
3	55	[illegible]	[illegible]	2,4D/2,4,5T				
4	11	32oz	[illegible]	TOTAL METALS/CYANIDE		N		
5	12	[illegible]	[illegible]	SULFIDE/SULFATE				
6	13	[illegible]	[illegible]	MERCURY				
7								
8								
9								
10								

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): BRIDGET LOMBARDI Signature: [signature]

Date: 5/26/92 Time: 1500 Seal #: 7509 Intact?: (Y) / N

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

Sealed by (print): BRIDGET LOMBARDI Signature: [signature]

Date: 5/26/92 Time: 1500 Seal # 7510

Courier - Sample Pickup: FEDERAL EXPRESS

0014

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB131618

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.8 G
Level: low
% Moisture: 37 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 8.1

Lab Sample ID: 7413-1
Lab File ID: A3248
Date Received: 05/22/92
Date Extracted: 05/27/92
Date Analyzed: 05/31/92
Dilution Factor: 1.0

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	4.95	50000	JA
2.	Unknown	5.65	2000	J
3.	Aldol Condensate	6.40	500	JA
4.	Aldol Condensate	7.07	100	JA
5.	Aldol Condensate	11.68	300	JA
6.	Unknown Hydrocarbon	18.57	200	J
7.	Unknown	19.27	100	J
8.	Unknown	19.77	300	J
9.	Unknown	21.22	300	J
10.	Unknown	21.43	500	J
11.	Unknown	23.18	500	J
12.	Unknown	23.40	300	J
13.	Unknown	23.75	400	J
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FORM I SV-TIC

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1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB131418

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) Soil — Lab Sample ID: 7413-1

Sample wt/vol: 32.72 (g/mL) g — Lab File ID: Herby 2424

Moisture: 36.7 decanted: (Y/N) N — Date Received: 5-22-92

Extraction: (SepF/Cont/Sonc) Sonc — Date Extracted: 5-28-92

Concentrated Extract Volume: 5 (mL) — Date Analyzed: 6-9-92

Injection Volume: 2 (uL) — Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: _____ — Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	1100	U
93-72-1	2,4,5-T	79	U

FORM I - HERB

0016

9 1 2 7 0 0 0 0 2 3

ENVIROFORMS/CLP 788

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB133032

Contract: IEPA

Lab Name: ESE, Inc.

SAS No.:

SDG No.: MON19e

Lab Code:

Case No.:

Lab Sample ID: 7417-2

Matrix (soil/water): SOIL

Date Received: 05/28/92

Level (low/med): LOW

% Solids: 76.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5560			P
7440-36-0	Antimony	4.2	B	N	P
7440-38-2	Arsenic	4.7			F
7440-39-3	Barium	124			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	7960			P
7440-47-3	Chromium	12.3			P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	8.0			P
7439-89-6	Iron	10600			P
7439-92-1	Lead	7.0			F
7439-95-4	Magnesium	4300		E	P
7439-96-5	Manganese	209		N*	P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	13.3			P
7440-09-7	Potassium	1020	B		P
7782-49-2	Selenium	0.31	B	N	F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	1540			P
7440-28-0	Thallium	0.26	U		F
7440-62-2	Vanadium	19.6			P
7440-66-6	Zinc	34.3		N	P

9 4 1 2 7 0 0 0 0 2 4

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

LAB NAME ESE (Peoria) IEPA SAMPLE NO SB133032

MATRIX SOIL LAB SAMPLE ID 7413-2

% SOLIDS 76.8 DATE RECEIVED 5-22-92

CONCENTRATION UNITS mg/kg dry weight

ANALYTE	CONCENTRATION	C	METHOD	Q
Cyanide	0.33	U	C	
Sulfide	479		T	N*
Sulfate	2570		C	

9612700025

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5552

Level: (low/med) LOW Date Received: 5/21/92

% Moisture: not dec. 23. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 5.00

GC Column: DB624 ID .53mm

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	65.	U
74-83-9	Bromomethane	65.	U
75-01-4	Vinyl Chloride	65.	U
75-00-3	Chloroethane	65.	U
75-09-2	Methylene Chloride	65.	U
67-64-1	Acetone	2900.	E
75-15-0	Carbon Disulfide	65.	U
75-35-4	1,1-Dichloroethene	65.	U
75-34-3	1,1-Dichloroethane	65.	U
540-59-0	trans-1,2-Dichloroethene	65.	U
67-66-3	Chloroform	65.	U
107-06-2	1,2-Dichloroethane	65.	U
78-93-3	2-Butanone	65.	U
71-55-6	1,1,1-Trichloroethane	65.	U
56-23-5	Carbon Tetrachloride	65.	U
75-27-4	Bromodichloromethane	65.	U
78-87-5	1,2-Dichloropropane	65.	U
10061-01-5	cis-1,3-Dichloropropene	65.	U
79-01-6	Trichloroethene	65.	U
124-48-1	Dibromochloromethane	65.	U
79-00-5	1,1,2-Trichloroethane	65.	U
71-43-2	Benzene	1800.	E
10061-02-6	trans-1,3-Dichloropropene	65.	U
75-25-2	Bromoform	65.	U
108-10-1	4-Methyl-2-Pentanone	89.	
591-78-6	2-Hexanone	65.	U
127-18-4	Tetrachloroethene	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	65.	U
108-88-3	Toluene	53.	J
108-90-7	Chlorobenzene	1700.	E
100-41-4	Ethylbenzene	65.	U
100-42-5	Styrene	65.	U
1330-20-7	Xylenes (total)	65.	U
156-59-2	cis-1,2-Dichloroethene	65.	U
110-54-3	n-Hexane	65.	U

9 5 1 2 7 0 0 0 0 2 6

0019

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2

Sample wt/vol: 33.8 (g/mL) G Lab File ID: A3249

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/31/92

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 1.00

Concentrated Extract Volume: 500 ml Injection Volume: 2 ml

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	———	U *E*
95-57-8	2-Chlorophenol	33000.	E
111-44-4	bis(2-Chloroethyl) Ether	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
108-60-1	bis(2-Chloroisopropyl) Ether	380.	U
95-48-7	2-Methyl Phenol	380.	U
67-72-1	Hexachloroethane	380.	U
621-64-7	N-Nitrosodi-N-Propylamine	380.	U
106-44-5	4-Methyl Phenol	8700.	E
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	500.	
111-91-1	bis(2-Chloroethoxy) Methane	380.	U
120-83-2	2,4-Dichlorophenol	6200.	E
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-Methyl Phenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	3100.	
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethyl Phthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U

*Outside calibration range. Could not integrate. See dilutions.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2

Sample wt/vol: 33.8 (g/mL) G Lab File ID: A3249

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/31/92

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 1.00

Concentrated Extract Volume: 500 ml Injection Volume 2 ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900.	U
132-64-9	Dibenzofuran	380.	U
100-02-7	4-Nitrophenol	1900.	U
121-14-2	2,4-Dinitrotoluene	380.	U
86-73-7	Fluorene	380.	U
84-66-2	Diethyl Phthalate	380.	U
7005-72-3	4-Chlorophenylphenyl Ether	380.	U
100-01-6	4-Nitroaniline	960.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	960.	U
86-30-6	N-Nitrosodiphenylamine(1)	380.	U
101-55-3	4-Bromophenylphenyl Ether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	2100.	
85-01-8	Phenanthrene	380.	U
120-12-7	Anthracene	380.	U
84-74-2	Di-N-Butyl Phthalate	380.	U
206-44-0	Fluoranthene	380.	U
129-00-0	Pyrene	380.	U
85-68-7	Butyl Benzyl Phthalate	380.	U
91-94-1	3,3'-Dichlorobenzidine	770.	U
56-55-3	Benzo(a)anthracene	380.	U
218-01-9	Chrysene	380.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	230	JB
117-84-0	Di-N-Octyl Phthalate	380.	U
205-99-2	Benzo(b)fluoranthene	380.	U
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	380.	U
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenzo(a,h)anthracene	380.	U
191-24-2	Benzo(ghi)Perylene	380.	U
86-74-8	Carbazole	380.	U

(1) - Cannot be separated from diphenylamine

9 6 1 2 7 0 0 0 0 2 8

0021

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB133032

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7413-2

Sample wt/vol: 32.99 (g/mL) g Lab File ID: MONS34341

Moisture: 23.2% decanted: (Y/N) N Date Received: 05/22/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) Data Analyzed: 06/03/92

Injection Volume: 2 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
72-54-8	4,4'-DDD	4.3	U
1031-07-8	Endosulfan sulfate	4.3	U
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
15972-60-8	Alachlor	4.3	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	43	U
11096-82-5	Aroclor-1260	43	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB133032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5552

Level: (low/med) LOW Date Received: 5/21/92

% Moisture: not dec. 23. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 5.00

GC Column: DB624 ID: .53mm

Number TICs found: 4 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	4.57	400.	J
2. - -	UNKNOWN	20.48	40.	J
3. - -	UNKNOWN	26.50	600.	J
4. 95-50-1	Benzene, 1,2-dichloro-	26.87	50.	J
5.				
6.				
7.				
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FORM I VOA-TIC 1/87 Rev.

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 33.8 G
Level: low
% Moisture: 23 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 7.6

Lab Sample ID: 7413-2
Lab File ID: A3249
Date Received: 05/22/92
Date Extracted: 05/27/92
Date Analyzed: 05/31/92
Dilution Factor: 1.0

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	3.52	400	JA
2.	Aldol Condensate	4.62	20000	JA
3.	Unknown	5.63	900	J
4.	Aldol Condensate	6.25	2000	JA
5.	Alkyl Substituted Phenol	10.88	900	J
6.	Alkyl Substituted Phenol	11.10	400	J
7.	Aldol Condensate	11.70	300	JA
8.	Unknown Aromatic	11.92	20000	J
9.	Chlorophenol isomer	11.98	6000	J
10.	Unknown	12.10	200	J
11.	Unknown	12.18	100	J
12.	Unknown	13.22	1000	J
13.	Unknown	13.37	100	J
14.	Unknown	14.00	900	J
15.	Unknown	15.50	100	J
16.	Unknown	15.68	200	J
17. 7704349	Sulfur	16.30	200	J
18.	Tetrachlorophenol isomer	16.78	200	J
19.	Unknown	18.90	400	J
20. 7707349	Sulfur	22.52	2000	J
21.	Unknown	25.18	400	J
22.				
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FORM I SV-TIC

9612700031

1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB133032

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) Soil Lab Sample ID: 7-113-2

Sample wt/vol: 33.33 (g/mL) g Lab File ID: Fitch 61411

Moisture: 23.2 decanted: (Y/N) N Date Received: 5-22-92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 5-28-92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 6-16-92

Injection Volume: 2 (uL) Dilution Factor: 10

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

9 6 1 2 7 0 0 0 3 2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	570	J
93-72-1	2,4,5-T	650	U

FORM II - HERB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5535

Level: (low/med) MED Date Received: 5/21/92

% Moisture: not dec. 23. Date Analyzed: 5/28/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300.	U
74-83-9	Bromomethane	1300.	U
75-01-4	Vinyl Chloride	1300.	U
75-00-3	Chloroethane	1300.	U
75-09-2	Methylene Chloride	740.	BJD
67-64-1	Acetone	3800.	D
75-15-0	Carbon Disulfide	1300.	U
75-35-4	1,1-Dichloroethene	1300.	U
75-34-3	1,1-Dichloroethane	1300.	U
540-59-0	trans-1,2-Dichloroethene	1300.	U
67-66-3	Chloroform	1300.	U
107-06-2	1,2-Dichloroethane	1300.	U
78-93-3	2-Butanone	970.	BJD
71-55-6	1,1,1-Trichloroethane	1300.	U
56-23-5	Carbon Tetrachloride	1300.	U
75-27-4	Bromodichloromethane	1300.	U
78-87-5	1,2-Dichloropropane	1300.	U
10061-01-5	cis-1,3-Dichloropropene	1300.	U
79-01-6	Trichloroethene	1300.	U
124-48-1	Dibromochloromethane	1300.	U
79-00-5	1,1,2-Trichloroethane	1300.	U
71-43-2	Benzene	750.	JD
10061-02-6	trans-1,3-Dichloropropene	1300.	U
75-25-2	Bromoform	1300.	U
108-10-1	4-Methyl-2-Pentanone	1300.	U
591-78-6	2-Hexanone	1300.	U
127-18-4	Tetrachloroethene	1300.	U
79-34-5	1,1,2,2-Tetrachloroethane	1300.	U
108-88-3	Toluene	1300.	U
108-90-7	Chlorobenzene	2800.	D
100-41-4	Ethylbenzene	1300.	U
100-42-5	Styrene	1300.	U
1330-20-7	Xylenes (total)	1300.	U
156-59-2	cis-1,2-Dichloroethene	1300.	U
110-54-3	n-Hexane	1300.	U

9412700033

0026

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB133032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5535

Level: (low/med) MED Date Received: 5/21/92

% Moisture: not dec. 23. Date Analyzed: 5/28/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC	Q
1.				
2.				
3.				
4.				
5.				
6.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2DL

Sample wt/vol: 33.8 (g/mL) G Lab File ID: A3281

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: ~~6/1/92~~ 6/2/92

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 10.00

Concentrated Extract Volume: 500ml Injection Volume: 2ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	180000.	ED
95-57-8	2-Chlorophenol	43000.	ED
111-44-4	bis(2-Chloroethyl) Ether	3800.	U
541-73-1	1,3-Dichlorobenzene	3800.	U
106-46-7	1,4-Dichlorobenzene	3800.	U
95-50-1	1,2-Dichlorobenzene	3800.	U
108-60-1	bis(2-Chloroisopropyl) Ether	3800.	U
95-48-7	2-Methyl Phenol	3800.	U
67-72-1	Hexachloroethane	3800.	U
621-64-7	N-Nitrosodi-N-Propylamine	3800.	U
106-44-5	4-Methyl Phenol	12000.	D
98-95-3	Nitrobenzene	3800.	U
78-59-1	Isophorone	3800.	U
88-75-5	2-Nitrophenol	3800.	U
105-67-9	2,4-Dimethylphenol	3800.	U
111-91-1	bis(2-Chloroethoxy) Methane	3800.	U
120-83-2	2,4-Dichlorophenol	3700.	JD
120-82-1	1,2,4-Trichlorobenzene	3800.	U
91-20-3	Naphthalene	3800.	U
106-47-8	4-Chloroaniline	3800.	U
87-68-3	Hexachlorobutadiene	3800.	U
59-50-7	4-Chloro-3-Methyl Phenol	3800.	U
91-57-6	2-Methylnaphthalene	3800.	U
77-47-4	Hexachlorocyclopentadiene	3800.	U
88-06-2	2,4,6-Trichlorophenol	1900.	JD
95-95-4	2,4,5-Trichlorophenol	19000.	U
91-58-7	2-Chloronaphthalene	3800.	U
88-74-4	2-Nitroaniline	19000.	U
131-11-3	Dimethyl Phthalate	3800.	U
208-96-8	Acenaphthylene	3800.	U
606-20-2	2,6-Dinitrotoluene	3800.	U
99-09-2	3-Nitroaniline	19000.	U
83-32-9	Acenaphthene	3800.	U

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0028

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2DL

Sample wt/vol: 33.8 (g/mL) G Lab File ID: A3281

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: ~~6/ 6/92~~ 6/2/92

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 10.00

Concentrated Extract Volume: 500ml Injection Volume: 2ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	19000.	U
132-64-9	Dibenzofuran	3800.	U
100-02-7	4-Nitrophenol	19000.	U
121-14-2	2,4-Dinitrotoluene	3800.	U
86-73-7	Fluorene	3800.	U
84-66-2	Diethyl Phthalate	3800.	U
7005-72-3	4-Chlorophenylphenyl Ether	3800.	U
100-01-6	4-Nitroaniline	9600.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	9600.	U
86-30-6	N-Nitrosodiphenylamine	3800.	U
101-55-3	4-Bromophenylphenyl Ether	3800.	U
118-74-1	Hexachlorobenzene	3800.	U
87-86-5	Pentachlorophenol	9600.	U
85-01-8	Phenanthrene	3800.	U
120-12-7	Anthracene	3800.	U
84-74-2	Di-N-Butyl Phthalate	3800.	U
206-44-0	Fluoranthene	3800.	U
129-00-0	Pyrene	3800.	U
85-68-7	Butyl Benzyl Phthalate	3800.	U
91-94-1	3,3'-Dichlorobenzidine	7700.	U
56-55-3	Benzo(a)anthracene	3800.	U
218-01-9	Chrysene	3800.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	3800.	U
117-84-0	Di-N-Octyl Phthalate	3800.	U
205-99-2	Benzo(b)fluoranthene	3800.	U
207-08-9	Benzo(k)fluoranthene	3800.	U
50-32-8	Benzo(a)pyrene	3800.	U
193-39-5	Indeno(1,2,3-cd)pyrene	3800.	U
53-70-3	Dibenzo(a,h)anthracene	3800.	U
191-24-2	Benzo(ghi)Perylene	3800.	U
86-74-8	Carbazole	3800.	U

(1) - Cannot be separated from diphenylamine

9612700036

0029

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032 DL

Lab Name: E.T.S.I. Contract: EPA
Lab Code: ____ Case No.: ____ SAS No.: ____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 318 G
Level: Low
% Moisture: 23 Decanted: N
Concentrated Extract Volume: 500 ml
Injection Volume: 2 ul
GPC Cleanup: Y pH: 7.0

Lab Sample ID: 7413-2 DL
Lab File ID: A3281
Date Received: 05/22/92
Date Extracted: 05/27/92
Date Analyzed: 06/02/92
Dilution Factor: 10.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Aldol Condensat	4.42	30000	JA
2.	7704349	Sulfur	22.23	900	J
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4.					
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FORM I SV-TIC

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2DL

Sample wt/vol: 33.8 (g/mL) G Lab File ID: A3297

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 100.00

Concentrated Extract Volume: 500ml Injection Volume: 2ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	210000.	D
95-57-8	2-Chlorophenol	47000.	D
111-44-4	bis(2-Chloroethyl) Ether	38000.	U
541-73-1	1,3-Dichlorobenzene	38000.	U
106-46-7	1,4-Dichlorobenzene	38000.	U
95-50-1	1,2-Dichlorobenzene	38000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	38000.	U
95-48-7	2-Methyl Phenol	38000.	U
67-72-1	Hexachloroethane	38000.	U
621-64-7	N-Nitrosodi-N-Propylamine	38000.	U
106-44-5	4-Methyl Phenol	38000.	U
98-95-3	Nitrobenzene	38000.	U
78-59-1	Isophorone	38000.	U
88-75-5	2-Nitrophenol	38000.	U
105-67-9	2,4-Dimethylphenol	38000.	U
111-91-1	bis(2-Chloroethoxy) Methane	38000.	U
120-83-2	2,4-Dichlorophenol	38000.	U
120-82-1	1,2,4-Trichlorobenzene	38000.	U
91-20-3	Naphthalene	38000.	U
106-47-8	4-Chloroaniline	38000.	U
87-68-3	Hexachlorobutadiene	38000.	U
59-50-7	4-Chloro-3-Methyl Phenol	38000.	U
91-57-6	2-Methylnaphthalene	38000.	U
77-47-4	Hexachlorocyclopentadiene	38000.	U
88-06-2	2,4,6-Trichlorophenol	38000.	U
95-95-4	2,4,5-Trichlorophenol	190000.	U
91-58-7	2-Chloronaphthalene	38000.	U
88-74-4	2-Nitroaniline	190000.	U
131-11-3	Dimethyl Phthalate	38000.	U
208-96-8	Acenaphthylene	38000.	U
606-20-2	2,6-Dinitrotoluene	38000.	U
99-09-2	3-Nitroaniline	190000.	U
83-32-9	Acenaphthene	38000.	U

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0031

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7413-2DL

Sample wt/vol: 33.8 (g/mL) G Lab File ID: A3297

Level: (low/med) LOW Date Received: 5/22/92

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 100.00

Concentrated Extract Volume: 500ml Injection Volume: 1ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	190000.	U
132-64-9	Dibenzofuran	38000.	U
100-02-7	4-Nitrophenol	190000.	U
121-14-2	2,4-Dinitrotoluene	38000.	U
86-73-7	Fluorene	38000.	U
84-66-2	Diethyl Phthalate	38000.	U
7005-72-3	4-Chlorophenylphenyl Ether	38000.	U
100-01-6	4-Nitroaniline	96000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	96000.	U
86-30-6	N-Nitrosodiphenylamine(1)	38000.	U
101-55-3	4-Bromophenylphenyl Ether	38000.	U
118-74-1	Hexachlorobenzene	38000.	U
87-86-5	Pentachlorophenol	96000.	U
85-01-8	Phenanthrene	38000.	U
120-12-7	Anthracene	38000.	U
84-74-2	Di-N-Butyl Phthalate	38000.	U
206-44-0	Fluoranthene	38000.	U
129-00-0	Pyrene	38000.	U
85-68-7	Butyl Benzyl Phthalate	38000.	U
91-94-1	3,3'-Dichlorobenzidine	77000.	U
56-55-3	Benzo(a)anthracene	38000.	U
218-01-9	Chrysene	38000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	38000.	U
117-84-0	Di-N-Octyl Phthalate	38000.	U
205-99-2	Benzo(b)fluoranthene	38000.	U
207-08-9	Benzo(k)fluoranthene	38000.	U
50-32-8	Benzo(a)pyrene	38000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	38000.	U
53-70-3	Dibenzo(a,h)anthracene	38000.	U
191-24-2	Benzo(ghi)Perylene	38000.	U
86-74-8	Carbazole	38000.	U

(1) - Cannot be separated from diphenylamine

0032

9612700039

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB133032 DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 33.8 G
Level: low
% Moisture: 23 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 7.6

Lab Sample ID: 7413-2 DL
Lab File ID: A3297
Date Received: 05/22/92
Date Extracted: 05/27/92
Date Analyzed: 06/05/92
Dilution Factor: 10.0

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	4.42	30000	JA
2.	Unknown	22.23	60000	J
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FORM I SV-TIC

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ENVIROFORMS/CLP 788

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB142022

Lab Name: ESE, Inc. Contract: IEPA

Lab Code: Case No.: SAS No.: SDG No.: MON196

Matrix (soil/water): SOIL Lab Sample ID: 7448-1

Level (low/med): LOW Date Received: 05/28/92

% 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	5420			P
7440-36-0	Antimony	2.6	U	N	P
7440-38-2	Arsenic	6.6			F
7440-39-3	Barium	175			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	12500			P
7440-47-3	Chromium	11.6			P
7440-48-4	Cobalt	9.1	B		P
7440-50-8	Copper	9.0			P
7439-89-6	Iron	11600			P
7439-92-1	Lead	9.3			F
7439-95-4	Magnesium	3930		E	P
7439-96-5	Manganese	135		N*	P
7439-97-6	Mercury	4.8			CV
7440-02-0	Nickel	13.4			P
7440-09-7	Potassium	1560			P
7782-49-2	Selenium	0.38	B	N	F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	890	B		P
7440-28-0	Thallium	0.26	U		F
7440-62-2	Vanadium	18.6			P
7440-66-6	Zinc	79.1		N	P

9612700041

0034

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

LAB NAME ESE (Peoria) IEPA SAMPLE NO SB14/20'-22'

MATRIX SOIL LAB SAMPLE ID 7448-1

% SOLIDS 75.9 DATE RECEIVED 5-27-92

CONCENTRATION UNITS mg/kg dry weight

ANALYTE	CONCENTRATION	C	METHOD	Q
Cyanide	0.33	U	C	
Sulfide	416		T	N
Sulfate	659	U	C	

9 5 1 2 7 0 0 0 0 4 2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB142022

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5536

Level: (low/med) MED Date Received: 5/26/92

% Moisture: not dec. 24. Date Analyzed: 5/28/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300.	U
74-83-9	Bromomethane	1300.	U
75-01-4	Vinyl Chloride	1300.	U
75-00-3	Chloroethane	1300.	U
75-09-2	Methylene Chloride	1100.	BJ
67-64-1	Acetone	1300.	U
75-15-0	Carbon Disulfide	1300.	U
75-35-4	1,1-Dichloroethene	1300.	U
75-34-3	1,1-Dichloroethane	1300.	U
540-59-0	trans-1,2-Dichloroethene	1300.	U
67-66-3	Chloroform	1300.	U
107-06-2	1,2-Dichloroethane	1300.	U
78-93-3	2-Butanone	820.	BJ
71-55-6	1,1,1-Trichloroethane	1300.	U
56-23-5	Carbon Tetrachloride	1300.	U
75-27-4	Bromodichloromethane	1300.	U
78-87-5	1,2-Dichloropropane	1300.	U
10061-01-5	cis-1,3-Dichloropropene	1300.	U
79-01-6	Trichloroethene	1300.	U
124-48-1	Dibromochloromethane	1300.	U
79-00-5	1,1,2-Trichloroethane	1300.	U
71-43-2	Benzene	1500.	
10061-02-6	trans-1,3-Dichloropropene	1300.	U
75-25-2	Bromoform	1300.	U
108-10-1	4-Methyl-2-Pentanone	1300.	U
591-78-6	2-Hexanone	1300.	U
127-18-4	Tetrachloroethene	1300.	U
79-34-5	1,1,2,2-Tetrachloroethane	1300.	U
108-88-3	Toluene	11000.	
108-90-7	Chlorobenzene	17000.	
100-41-4	Ethylbenzene	1300.	U
100-42-5	Styrene	1300.	U
1330-20-7	Xylenes (total)	1300.	U
156-59-2	cis-1,2-Dichloroethene	1300.	U
110-54-3	n-Hexane	1300.	U

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0036

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/20-22

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-1.

Sample wt/vol: 31.6 (g/mL) G Lab File ID: A3282

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 24. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: ~~6/ 6/92~~ 6/2/92

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 80.00

Concentrated Extract Volume: 2000 ml Injection Volume: 2 ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2400000.	E
95-57-8	2-Chlorophenol	850000.	E
111-44-4	bis(2-Chloroethyl) Ether	33000.	U
541-73-1	1,3-Dichlorobenzene	33000.	U
106-46-7	1,4-Dichlorobenzene	33000.	U
95-50-1	1,2-Dichlorobenzene	36000.	
108-60-1	bis(2-Chloroisopropyl) Ether	33000.	U
95-48-7	2-Methyl Phenol	33000.	U
67-72-1	Hexachloroethane	33000.	U
621-64-7	N-Nitrosodi-N-Propylamine	33000.	U
106-44-5	4-Methyl Phenol	380000.	E
98-95-3	Nitrobenzene	33000.	U
78-59-1	Isophorone	33000.	U
88-75-5	2-Nitrophenol	33000.	U
105-67-9	2,4-Dimethylphenol	77000.	
111-91-1	bis(2-Chloroethoxy) Methane	33000.	U
120-83-2	2,4-Dichlorophenol	1000000.	E
120-82-1	1,2,4-Trichlorobenzene	49000.	
91-20-3	Naphthalene	33000.	U
106-47-8	4-Chloroaniline	33000.	U
87-68-3	Hexachlorobutadiene	33000.	U
59-50-7	4-Chloro-3-Methyl Phenol	33000.	U
91-57-6	2-Methylnaphthalene	33000.	U
77-47-4	Hexachlorocyclopentadiene	33000.	U
88-06-2	2,4,6-Trichlorophenol	4700000	E
95-95-4	2,4,5-Trichlorophenol	170000	U
91-58-7	2-Chloronaphthalene	33000.	U
88-74-4	2-Nitroaniline	170000.	U
131-11-3	Dimethyl Phthalate	33000.	U
208-96-8	Acenaphthylene	33000.	U
606-20-2	2,6-Dinitrotoluene	33000.	U
99-09-2	3-Nitroaniline	170000.	U
83-32-9	Acenaphthene	33000.	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/20-23

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-1

Sample wt/vol: 31.6 (g/mL) G Lab File ID: A3282

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 24. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: ~~6/ 6/92~~ 6/2/92

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 80.00

Concentrated Extract Volume: 2.005 ml Injection Volume: 2 ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		G
51-28-5	2,4-Dinitrophenol	170000.	U	
132-64-9	Dibenzofuran	33000.	U	
100-02-7	4-Nitrophenol	170000.	U	
121-14-2	2,4-Dinitrotoluene	33000.	U	
86-73-7	Fluorene	33000.	U	
84-66-2	Diethyl Phthalate	33000.	U	
7005-72-3	4-Chlorophenylphenyl Ether	33000.	U	
100-01-6	4-Nitroaniline	180000.		
534-52-1	2-Methyl-4,6-Dinitrophenol	83000.	U	
86-30-6	N-Nitrosodiphenylamine(1)	33000.	U	
101-55-3	4-Bromophenylphenyl Ether	33000.	U	
118-74-1	Hexachlorobenzene	33000.	U	
87-86-5	Pentachlorophenol	83000.	U	
85-01-8	Phenanthrene	33000.	U	
120-12-7	Anthracene	33000.	U	
84-74-2	Di-N-Butyl Phthalate	33000.	U	
206-44-0	Fluoranthene	33000.	U	
129-00-0	Pyrene	33000.	U	
85-68-7	Butyl Benzyl Phthalate	33000.	U	
91-94-1	3,3'-Dichlorobenzidine	67000.	U	
56-55-3	Benzo(a)anthracene	33000.	U	
218-01-9	Chrysene	33000.	U	
117-81-7	bis(2-Ethylhexyl) Phthalate	33000.	U	
117-84-0	Di-N-Octyl Phthalate	33000.	U	
205-99-2	Benzo(b)fluoranthene	33000.	U	
207-08-9	Benzo(k)fluoranthene	33000.	U	
50-32-8	Benzo(a)pyrene	33000.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	33000.	U	
53-70-3	Dibenzo(a,h)anthracene	33000.	U	
191-24-2	Benzo(ghi)Perylene	33000.	U	
86-74-8	Carbazole	33000.	U	

(1) - Cannot be separated from diphenylamine

0038

9 6 1 2 7 0 0 0 4 5

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB14/20'-22'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil — Lab Sample ID: 7448-1

Sample wt/vol: 31.82 (g/mL) g — Lab File ID: MONS62621

Moisture: 24.1% decanted: (Y/N) N — Date Received: 05/27/92

Extraction: (SepF/Cont/Sonc) Sonc — Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) — Data Analyzed: 06/04/92

Injection Volume: 2 (uL) — Dilution Factor: 10

GPC Cleanup: (Y/N) Y pH: _____ — Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1100	E
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	240	
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	140	
959-98-8	Endosulfan I	440	
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	43	U
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	43	U
72-54-8	4,4'-DDD	43	U
1031-07-8	Endosulfan sulfate	43	U
50-29-3	4,4'-DDT	43	U
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	43	U
7421-36-3	Endrin aldehyde	43	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
15972-60-8	Alachlor	43	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	430	U
11096-82-5	Aroclor-1260	430	U

9 6 1 2 7 0 0 0 0 4 6

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB142022

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5536

Level: (low/med) MED Date Received: 5/26/92

% Moisture: not dec. 24. Date Analyzed: 5/28/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN HYDROCARBON	15.47	3000.	J
2. 106-46-7	Benzene, 1,4-dichloro-	25.83	5000.	J
3. 95-57-8	Phenol, 2-chloro-	26.60	10000.	J
4. 95-50-1	Benzene, 1,2-dichloro-	26.97	90000.	J
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9412700047

0040

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/20-22

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 31.6 G
Level: low
% Moisture: 24 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 7.4

Lab Sample ID: 7448-1
Lab File ID: A3282
Date Received: 05/27/92
Date Extracted: 05/27/92
Date Analyzed: 06/02/92
Dilution Factor: 80.0

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.57	300000	J
2.	Unknown	11.85	5000000	J
3.	Unknown	12.50	1000000	J
4.	Unknown	12.60	1000000	J
5.	Unknown	12.63	2000000	J
6.	Unknown	12.77	400000	J
7.	Unknown	15.07	300000	J
8.	Unknown	15.88	400000	J
9.	Unknown	15.92	2000000	J
10.	Unknown	16.05	600000	J
11.	Unknown	16.10	500000	J
12.	Unknown	16.13	500000	J
13.	Unknown	16.18	300000	J
14.	Unknown	16.22	800000	J
15.	Unknown	16.30	700000	J
16.	Unknown	16.38	200000	J
17. 90-43-7	[1,1'-Biphenyl]-2-ol	16.58	1000000	J
18. 90-69-3	[1,1'-Biphenyl]-4-ol	18.60	500000	J
19. 90-69-3	[1,1'-Biphenyl]-4-ol	18.72	600000	J
20.	Unknown	19.23	200000	J
21.	Unknown	24.15	1000000	J
22.	Unknown	26.93	200000	J
23.	Unknown	31.68	800000	J
24.	Unknown	31.92	200000	J
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FORM I SV-TIC

96127000048

1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB14(20'-22')

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) Soil Lab Sample ID: 7448-1

Sample wt/vol: 33.19 (g/mL) g Lab File ID: Fitch 56561

Moisture: 24.1 decanted: (Y/N) N Date Received: 5-27-92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 5-28-92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 6-16-92

Injection Volume: 2 (uL) Dilution Factor: 100

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

9612700049

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	3300	J
93-72-1	2,4,5-T	6600	U

FORM I - HERB

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/20-22DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-1DL

Sample wt/vol: 31.6 (g/mL) G Lab File ID: A3298

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 24. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 800.00

Concentrated Extract Volume: 2000 ul Injection Volume 2ul

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2300000.	D
95-57-8	2-Chlorophenol	750000.	D
111-44-4	bis(2-Chloroethyl) Ether	330000.	U
541-73-1	1,3-Dichlorobenzene	330000.	U
106-46-7	1,4-Dichlorobenzene	330000.	U
95-50-1	1,2-Dichlorobenzene	330000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	330000.	U
95-48-7	2-Methyl Phenol	330000.	U
67-72-1	Hexachloroethane	330000.	U
621-64-7	N-Nitrosodi-N-Propylamine	330000.	U
106-44-5	4-Methyl Phenol	420000.	D
98-95-3	Nitrobenzene	330000.	U
78-59-1	Isophorone	330000.	U
88-75-5	2-Nitrophenol	330000.	U
105-67-9	2,4-Dimethylphenol	330000.	U
111-91-1	bis(2-Chloroethoxy) Methane	330000.	U
120-83-2	2,4-Dichlorophenol	790000.	D
120-82-1	1,2,4-Trichlorobenzene	330000.	U
91-20-3	Naphthalene	330000.	U
106-47-8	4-Chloroaniline	330000.	U
87-68-3	Hexachlorobutadiene	330000.	U
59-50-7	4-Chloro-3-Methyl Phenol	330000.	U
91-57-6	2-Methylnaphthalene	330000.	U
77-47-4	Hexachlorocyclopentadiene	330000.	U
88-06-2	2,4,6-Trichlorophenol	230000.	J
95-95-4	2,4,5-Trichlorophenol	1700000.	U
91-58-7	2-Chloronaphthalene	330000.	U
88-74-4	2-Nitroaniline	1700000.	U
131-11-3	Dimethyl Phthalate	330000.	U
208-96-8	Acenaphthylene	330000.	U
606-20-2	2,6-Dinitrotoluene	330000.	U
99-09-2	3-Nitroaniline	1700000.	U
83-32-9	Acenaphthene	330000.	U

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0043

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/20-22DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-1DL

Sample wt/vol: 31.6 (g/mL) G Lab File ID: A3298

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 24. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 800.00

Concentrated Extract Volume: 2000 ul Injection Volume: 2 ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700000.	U
132-64-9	Dibenzofuran	330000.	U
100-02-7	4-Nitrophenol	1700000.	U
121-14-2	2,4-Dinitrotoluene	330000.	U
86-73-7	Fluorene	330000.	U
84-66-2	Diethyl Phthalate	330000.	U
7005-72-3	4-Chlorophenylphenyl Ether	330000.	U
100-01-6	4-Nitroaniline	830000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	830000.	U
86-30-6	N-Nitrosodiphenylamine(1)	330000.	U
101-55-3	4-Bromophenylphenyl Ether	330000.	U
118-74-1	Hexachlorobenzene	330000.	U
87-86-5	Pentachlorophenol	830000.	U
85-01-8	Phenanthrene	330000.	U
120-12-7	Anthracene	330000.	U
84-74-2	Di-N-Butyl Phthalate	330000.	U
206-44-0	Fluoranthene	330000.	U
129-00-0	Pyrene	330000.	U
85-68-7	Butyl Benzyl Phthalate	330000.	U
91-94-1	3,3'-Dichlorobenzidine	670000.	U
56-55-3	Benzo(a)anthracene	330000.	U
218-01-9	Chrysene	330000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	330000.	U
117-84-0	Di-N-Octyl Phthalate	330000.	U
205-99-2	Benzo(b)fluoranthene	330000.	U
207-08-9	Benzo(k)fluoranthene	330000.	U
50-32-8	Benzo(a)pyrene	330000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330000.	U
53-70-3	Dibenzo(a,h)anthracene	330000.	U
191-24-2	Benzo(ghi)Perylene	330000.	U
86-74-8	Carbazole	330000.	U

(1) - Cannot be separated from diphenylamine

0044

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/20-22DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 31.6 G
Level: low
% Moisture: 24 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 7.4

Lab Sample ID: 7448-1 DL
Lab File ID: A3298
Date Received: 05/27/92
Date Extracted: 05/27/92
Date Analyzed: 06/05/92
Dilution Factor: 800.0

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.28	300000	J
2.	Dichlorophenol isomer	11.55	5000000	J
3.	Chlorophenol isomer	11.65	1000000	J
4.	Chloronitrobenzene isomer	12.02	1000000	J
5.	Chloronitrobenzene isomer	12.30	2000000	J
6.	Dichloroaniline isomer	13.75	400000	J
7.	Unknown	15.67	300000	J
8. 90-43-7	[1,1'-Biphenyl]-2-ol	16.08	400000	J
9. 92-69-3	[1,1'-Biphenyl]-4-ol	18.37	2000000	J
10. 92-69-3	[1,1'-Biphenyl]-4-ol	18.48	600000	J
11.	Unknown	19.07	500000	J
12.	Unknown	20.70	500000	J
13.	Unknown	23.63	300000	J
14.	Unknown	23.90	800000	J
15.	Unknown	25.20	700000	J
16.	Unknown	26.42	200000	J
17.	Unknown	26.57	1000000	J
18.	Unknown	26.75	500000	J
19.	Unknown	31.47	600000	J
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FORM I SV-TIC

9612700052

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB14/20'-22'DL

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7448-1DL

Sample wt/vol: 31.82 (g/mL) g Lab File ID: MONS54541

Moisture: 24.1% decanted: (Y/N) N Date Received: 05/27/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 06/04/92

Injection Volume: 2 (uL) Dilution Factor: 100

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) 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	370	D
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	370	D
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
1031-07-8	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
15972-60-8	Alachlor	430	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	4300	U
11096-82-5	Aroclor-1260	4300	U

961270053

ENVIROFORMS/CLP 788

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB143032

Contract: IEPA

Lab Name: ESE, Inc.

SAS No.:

SDG No.: MON196

Lab Code:

Case No.:

Lab Sample ID: 744E-[illegible]

Matrix (soil/water): SOIL

Date Received: 05/28/92

Level (low/med): LOW

% Solids: 71.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3540			P
7440-36-0	Antimony	2.9	B	N	P
7440-38-2	Arsenic	4.3			F
7440-39-3	Barium	143			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	14200			P
7440-47-3	Chromium	7.4			P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	6.6	B		P
7439-89-6	Iron	8740			P
7439-92-1	Lead	6.8			F
7439-95-4	Magnesium	5490		E	P
7439-96-5	Manganese	223		N*	P
7439-97-6	Mercury	1.2	B		CV
7440-02-0	Nickel	12.4			P
7440-09-7	Potassium	839	B		P
7782-49-2	Selenium	0.28	U	N	F
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium	2560			P
7440-28-0	Thallium	0.28	U		F
7440-62-2	Vanadium	12.5	B		P
7440-66-6	Zinc	31.2		N	P

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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

LAB NAME ESE (Peoria) IEPA SAMPLE NO SB14/30'-32'

MATRIX SOIL LAB SAMPLE ID 7448-2

% SOLIDS 71.6 DATE RECEIVED 5-27-92

CONCENTRATION UNITS mg/kg dry weight

ANALYTE	CONCENTRATION	C	METHOD	Q
Cyanide	0.35	U	C	
Sulfide	67.0		T	N
Sulfate	5540		C	

9 5 1 2 7 0 0 0 0 5 5

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB143032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5556

Level: (low/med) LOW Date Received: 5/21/92

% Moisture: not dec. 28. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 5.60

GC Column: DB624 ID: .53mm

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	70.	U
74-83-9	Bromomethane	70.	U
75-01-4	Vinyl Chloride	70.	U
75-00-3	Chloroethane	70.	U
75-09-2	Methylene Chloride	70.	U
67-64-1	Acetone	680.	
75-15-0	Carbon Disulfide	70.	U
75-35-4	1,1-Dichloroethene	70.	U
75-34-3	1,1-Dichloroethane	70.	U
540-59-0	trans-1,2-Dichloroethene	70.	U
67-66-3	Chloroform	89.	
107-06-2	1,2-Dichloroethane	160.	
78-93-3	2-Butanone	80.	
71-55-6	1,1,1-Trichloroethane	70.	U
56-23-5	Carbon Tetrachloride	70.	U
75-27-4	Bromodichloromethane	70.	U
78-87-5	1,2-Dichloropropane	70.	U
10061-01-5	cis-1,3-Dichloropropene	70.	U
79-01-6	Trichloroethene	70.	U
124-48-1	Dibromochloromethane	70.	U
79-00-5	1,1,2-Trichloroethane	70.	U
71-43-2	Benzene	100.	
10061-02-6	trans-1,3-Dichloropropene	70.	U
75-25-2	Bromoform	70.	U
108-10-1	4-Methyl-2-Pentanone	2100.	E
591-78-6	2-Hexanone	70.	U
127-18-4	Tetrachloroethene	49.	J
79-34-5	1,1,2,2-Tetrachloroethane	70.	U
108-88-3	Toluene	48.	J
108-90-7	Chlorobenzene	3900.	E
100-41-4	Ethylbenzene	220.	
100-42-5	Styrene	70.	U
1330-20-7	Xylenes (total)	1100.	
156-59-2	cis-1,2-Dichloroethene	70.	U
110-54-3	n-Hexane	37 ~~0~~.	J

9 5 1 2 7 0 0 0 5 6

0049

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/30-32

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2

Sample wt/vol: 34.2 (g/mL) G Lab File ID: A3283

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 28. dec. O.: Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: ~~6/1/92~~ 6/2/92

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 40.00

Concentrated Extract Volume: 1000 ul Injection Volume: 2 ul

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760000.	E
95-57-8	2-Chlorophenol	180000.	E
111-44-4	bis(2-Chloroethyl) Ether	16000.	U
541-73-1	1,3-Dichlorobenzene	16000.	U
106-46-7	1,4-Dichlorobenzene	16000.	U
95-50-1	1,2-Dichlorobenzene	110000.	
108-60-1	bis(2-Chloroisopropyl) Ether	16000.	U
95-48-7	2-Methyl Phenol	16000.	U
67-72-1	Hexachloroethane	16000.	U
621-64-7	N-Nitrosodi-N-Propylamine	16000.	U
106-44-5	4-Methyl Phenol	69000.	
98-95-3	Nitrobenzene	28000.	
78-59-1	Isophorone	16000.	U
88-75-5	2-Nitrophenol	16000.	U
105-67-9	2,4-Dimethylphenol	16000.	U
111-91-1	bis(2-Chloroethoxy) Methane	16000.	U
120-83-2	2,4-Dichlorophenol	480000.	E
120-82-1	1,2,4-Trichlorobenzene	51000.	
91-20-3	Naphthalene	16000.	U
106-47-8	4-Chloroaniline	16000.	U
87-68-3	Hexachlorobutadiene	16000.	U
59-50-7	4-Chloro-3-Methyl Phenol	16000.	U
91-57-6	2-Methylnaphthalene	16000.	U
77-47-4	Hexachlorocyclopentadiene	16000.	U
88-06-2	2,4,6-Trichlorophenol	100000.	
95-95-4	2,4,5-Trichlorophenol	82000.	U
91-58-7	2-Chloronaphthalene	16000.	U
88-74-4	2-Nitroaniline	82000.	U
131-11-3	Dimethyl Phthalate	16000.	U
208-96-8	Acenaphthylene	16000.	U
606-20-2	2,6-Dinitrotoluene	16000.	U
99-09-2	3-Nitroaniline	82000.	U
83-32-9	Acenaphthene	16000.	U

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0050

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/30-32DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: ____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 34.2 G
Level: low
% Moisture: 28 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 7.3

Lab Sample ID: 7448-2 DL
Lab File ID: A3299
Date Received: 05/27/92
Date Extracted: 05/27/92
Date Analyzed: 06/05/92
Dilution Factor: 400.0

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.32	40000	J
2.	Trichlorobenzene isomer	11.13	70000	J
3.	Dichlorophenol	11.55	300000	J
4.	Trichlorobenzene isomer	11.65	200000	J
5.	Unknown	11.75	40000	J
6.	Chloronitrobenzene isomer	12.00	600000	J
7.	Chloronitrobenzene isomer	12.27	2000000	J
8.	Unknown	15.53	2000000	J
9. 90-43-7	[1,1'-Biphenyl]-2-ol	16.05	300000	J
10. 92-69-3	[1,1'-Biphenyl]-4-ol	18.50	40000	J
11.	Unknown	19.35	50000	J
12.	Unknown	23.90	80000	J
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FORM I SV-TIC

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/30-32DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2DL

Sample wt/vol: 34.2 (g/mL) G Lab File ID: A3299

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 28. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 400.00

Concentrated Extract Volume: 1000 ml Injection Volume: 2 mL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820000.	U
132-64-9	Dibenzofuran	160000.	U
100-02-7	4-Nitrophenol	820000.	U
121-14-2	2,4-Dinitrotoluene	160000.	U
86-73-7	Fluorene	160000.	U
84-66-2	Diethyl Phthalate	160000.	U
7005-72-3	4-Chlorophenylphenyl Ether	160000.	U
100-01-6	4-Nitroaniline	410000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	410000.	U
86-30-6	N-Nitrosodiphenylamine(1)	160000.	U
101-55-3	4-Bromophenylphenyl Ether	160000.	U
118-74-1	Hexachlorobenzene	160000.	U
87-86-5	Pentachlorophenol	410000.	U
85-01-8	Phenanthrene	160000.	U
120-12-7	Anthracene	160000.	U
84-74-2	Di-N-Butyl Phthalate	160000.	U
206-44-0	Fluoranthene	160000.	U
129-00-0	Pyrene	160000.	U
85-68-7	Butyl Benzyl Phthalate	160000.	U
91-94-1	3,3'-Dichlorobenzidine	330000.	U
56-55-3	Benzo(a)anthracene	160000.	U
218-01-9	Chrysene	160000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	160000.	U
117-84-0	Di-N-Octyl Phthalate	160000.	U
205-99-2	Benzo(b)fluoranthene	160000.	U
207-08-9	Benzo(k)fluoranthene	160000.	U
50-32-8	Benzo(a)pyrene	160000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	160000.	U
53-70-3	Dibenzo(a,h)anthracene	160000.	U
191-24-2	Benzo(ghi)Perylene	160000.	U
86-74-8	Carbazole	160000.	U

(1) - Cannot be separated from diphenylamine

0052

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/30-37DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2DL

Sample wt/vol: 34.2 (g/mL) G Lab File ID: A3299

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 28. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 400.00

Concentrated Extract Volume: 1000 ml Injection Volume: 2 ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	630000.	D
95-57-8	2-Chlorophenol	150000.	JD
111-44-4	bis(2-Chloroethyl) Ether	160000.	U
541-73-1	1,3-Dichlorobenzene	160000.	U
106-46-7	1,4-Dichlorobenzene	160000.	U
95-50-1	1,2-Dichlorobenzene	95000.	
108-60-1	bis(2-Chloroisopropyl) Ether	160000.	U
95-48-7	2-Methyl Phenol	160000.	U
67-72-1	Hexachloroethane	160000.	U
621-64-7	N-Nitrosodi-N-Propylamine	160000.	U
106-44-5	4-Methyl Phenol	160000.	U
98-95-3	Nitrobenzene	160000.	U
78-59-1	Isophorone	160000.	U
88-75-5	2-Nitrophenol	160000.	U
105-67-9	2,4-Dimethylphenol	160000.	U
111-91-1	bis(2-Chloroethoxy) Methane	160000.	U
120-83-2	2,4-Dichlorophenol	280000.	D
120-82-1	1,2,4-Trichlorobenzene	160000.	U
91-20-3	Naphthalene	160000.	U
106-47-8	4-Chloroaniline	160000.	U
87-68-3	Hexachlorobutadiene	160000.	U
59-50-7	4-Chloro-3-Methyl Phenol	160000.	U
91-57-6	2-Methylnaphthalene	160000.	U
77-47-4	Hexachlorocyclopentadiene	160000.	U
88-06-2	2,4,6-Trichlorophenol	160000.	U
95-95-4	2,4,5-Trichlorophenol	820000.	U
91-58-7	2-Chloronaphthalene	160000.	U
88-74-4	2-Nitroaniline	820000.	U
131-11-3	Dimethyl Phthalate	160000.	U
208-96-8	Acenaphthylene	160000.	U
606-20-2	2,6-Dinitrotoluene	160000.	U
99-09-2	3-Nitroaniline	820000.	U
83-32-9	Acenaphthene	160000.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB143032DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5551

Level: (low/med) MED Date Received: 5/26/92

% Moisture: not dec. 28. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 2500.00

GC Column: DB624 ID: .53mm

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 106-46-7	Benzene, 1,4-dichloro-	25.73	100000.	J
2. 95-50-1	Benzene, 1,2-dichloro-	26.90	2000000.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB143032 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5551

Level: (low/med) MED Date Received: 5/26/92

% Moisture: not dec. 28. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 2500.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	35000.	U
74-83-9	Bromomethane	35000.	U
75-01-4	Vinyl Chloride	35000.	U
75-00-3	Chloroethane	35000.	U
75-09-2	Methylene Chloride	35000.	U
67-64-1	Acetone	35000.	U
75-15-0	Carbon Disulfide	35000.	U
75-35-4	1,1-Dichloroethene	35000.	U
75-34-3	1,1-Dichloroethane	35000.	U
540-59-0	trans-1,2-Dichloroethene	35000.	U
67-66-3	Chloroform	35000.	U
107-06-2	1,2-Dichloroethane	35000.	U
78-93-3	2-Butanone	35000.	U
71-55-6	1,1,1-Trichloroethane	35000.	U
56-23-5	Carbon Tetrachloride	35000.	U
75-27-4	Bromodichloromethane	35000.	U
78-87-5	1,2-Dichloropropane	35000.	U
10061-01-5	cis-1,3-Dichloropropene	35000.	U
79-01-6	Trichloroethene	35000.	U
124-48-1	Dibromochloromethane	35000.	U
79-00-5	1,1,2-Trichloroethane	35000.	U
71-43-2	Benzene	35000.	U
10061-02-6	trans-1,3-Dichloropropene	35000.	U
75-25-2	Bromoform	35000.	U
108-10-1	4-Methyl-2-Pentanone	35000.	U
591-78-6	2-Hexanone	35000.	U
127-18-4	Tetrachloroethene	35000.	U
79-34-5	1,1,2,2-Tetrachloroethane	35000.	U
108-88-3	Toluene	35000.	U
108-90-7	Chlorobenzene	700000.	D
100-41-4	Ethylbenzene	35000.	U
100-42-5	Styrene	35000.	U
1330-20-7	Xylenes (total)	35000.	U
156-59-2	cis-1,2-Dichloroethene	35000.	U
110-54-3	n-Hexane	35000.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB143032 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5537

Level: (low/med) MED Date Received: 5/26/92

% Moisture: not dec. 28. Date Analyzed: 5/28/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

Number TICs found: 7 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	19.97	10000.	J
2.	- -	UNKNOWN	20.87	3000.	J
3.	- -	UNKNOWN CHLORINATED HYDROCAR	21.33	2000.	J
4.	541-73-1	Benzene, 1,3-dichloro-	25.50	4000.	J
5.	106-46-7	Benzene, 1,4-dichloro-	25.87	100000.	J
6.	95-57-8	Phenol, 2-chloro-	26.65	800000.	J
7.	- -	UNKNOWN	27.12	400000.	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB143032 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5537

Level: (low/med) MED Date Received: 5/26/92

% Moisture: not dec. 28. Date Analyzed: 5/28/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1400.	U
74-83-9	Bromomethane	1400.	U
75-01-4	Vinyl Chloride	1400.	U
75-00-3	Chloroethane	1400.	U
75-09-2	Methylene Chloride	1100.	BJD
67-64-1	Acetone	880.	JD
75-15-0	Carbon Disulfide	1400.	U
75-35-4	1,1-Dichloroethene	1400.	U
75-34-3	1,1-Dichloroethane	1400.	U
540-59-0	trans-1,2-Dichloroethene	1400.	U
67-66-3	Chloroform	1400.	U
107-06-2	1,2-Dichloroethane	1400.	U
78-93-3	2-Butanone	810.	BJD
71-55-6	1,1,1-Trichloroethane	1400.	U
56-23-5	Carbon Tetrachloride	1400.	U
75-27-4	Bromodichloromethane	1400.	U
78-87-5	1,2-Dichloropropane	1400.	U
10061-01-5	cis-1,3-Dichloropropene	1400.	U
79-01-6	Trichloroethene	1400.	U
124-48-1	Dibromochloromethane	1400.	U
79-00-5	1,1,2-Trichloroethane	1400.	U
71-43-2	Benzene	1100.	JD
10061-02-6	trans-1,3-Dichloropropene	1400.	U
75-25-2	Bromoform	1400.	U
108-10-1	4-Methyl-2-Pentanone	1400.	U
591-78-6	2-Hexanone	1400.	U
127-18-4	Tetrachloroethene	1400.	U
79-34-5	1,1,2,2-Tetrachloroethane	1400.	U
108-88-3	Toluene	1400.	U
108-90-7	Chlorobenzene	98000.	ED
100-41-4	Ethylbenzene	1400.	U
100-42-5	Styrene	1400.	U
1330-20-7	Xylenes (total)	910.	JD
156-59-2	cis-1,2-Dichloroethene	1400.	U
110-54-3	n-Hexane	890.	JD

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1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB14/30'-32'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: P6

Matrix: (soil/water) Soil

Lab Sample ID: 7448-2

Sample wt/vol: 34.16 (g/mL) g

Lab File ID: Fitch 57571

Moisture: 28.4 decanted: (Y/N) N

Date Received: 5-27-92

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 5-28-92

Concentrated Extract Volume: 5 (mL)

Date Analyzed: 6/16/92

Injection Volume: 2 (uL)

Dilution Factor: 100

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

Sulfur Cleanup: (Y/N) N

9 5 1 2 7 0 0 0 0 5 2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	21,000	D
93-72-1	2,4,5-T	7000	U

FORM I - HERB

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/30-32

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 34.2 G
Level: low
% Moisture: 28 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 7.3

Lab Sample ID: 7448-2
Lab File ID: A3283
Date Received: 05/27/92
Date Extracted: 05/27/92
Date Analyzed: 06/02/92
Dilution Factor: 40.0

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.43	30000	J
2.	Unknown	11.70	50000	J
3.	Unknown	11.78	40000	J
4.	Chloronitrobenzene isomer	12.28	500000	J
5.	Chloronitrobenzene isomer	12.52	800000	J
6.	Chloronitrobenzene isomer	12.58	100000	J
7.	Unknown	15.82	1000000	J
8.	Unknown	15.85	100000	J
9. 94-75-7	(2,4-Dichlorophenoxy)acetic acid	18.07	10000	J
10. 92-69-3	[1,1'-Biphenyl]-4-ol	18.52	70000	J
11. 92-69-3	[1,1'-Biphenyl]-4-ol	18.62	90000	J
12.	Unknown	19.90	9000	J
13.	Unknown	20.65	10000	J
14.	Unknown	20.83	20000	J
15.	Unknown	21.27	8000	J
16.	Unknown	21.73	20000	J
17.	Unknown	23.75	20000	J
18.	Unknown	24.05	200000	J
19.	Unknown	25.33	20000	J
20.	Unknown	26.38	20000	J
21.	Unknown	31.67	80000	J
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FORM I SV-TIC

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB143032

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5556

Level: (low/med) LOW Date Received: 5/21/92

% Moisture: not dec. 28. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 5.00

GC Column: DB624 ID: .53mm

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	4.37	1000.	J
2.	- -	UNKNOWN	15.58	300.	J
3.	- -	UNKNOWN	19.62	2000.	J
4.	- -	UNKNOWN	20.03	800.	J
5.	- -	UNKNOWN AROMATIC	21.55	200.	J
6.	541-73-1	Benzene, 1,3-dichloro-	25.38	400.	J
7.	106-46-7	Benzene, 1,4-dichloro-	25.77	10000.	J
8.	- -	UNKNOWN	26.60	10000.	J
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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB14/30'-32'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7448-2

Sample wt/vol: 31.42 (g/mL) g Lab File ID: MONS63631

Moisture: 28.4% decanted: (Y/N) N Date Received: 05/27/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 06/04/92

Injection Volume: 2 (uL) Dilution Factor: 10

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	790	E
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	24	U
1024-57-3	Heptachlor epoxide	420	
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	46	U
72-55-9	4,4'-DDE	46	U
72-20-8	Endrin	46	U
33213-65-9	Endosulfan II	46	U
72-54-8	4,4'-DDD	46	U
1031-07-8	Endosulfan sulfate	46	U
50-29-3	4,4'-DDT	46	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	46	U
7421-36-3	Endrin aldehyde	46	U
5103-71-9	alpha-Chlordane	24	U
5103-74-2	gamma-Chlordane	24	U
8001-35-2	Toxaphene	2400	U
15972-60-8	Alachlor	46	U
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	940	U
11141-16-5	Aroclor-1232	460	U
53469-21-9	Aroclor-1242	460	U
12672-29-6	Aroclor-1248	460	U
11097-69-1	Aroclor-1254	460	U
11096-82-5	Aroclor-1260	460	U

9 3 1 2 7 C 0 0 0 5 9

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB14/30-32

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7448-2

Sample wt/vol: 34.2 (g/mL) G Lab File ID: A3283

Level: (low/med) LOW Date Received: 5/27/92

% Moisture: not dec. 28. dec. 0. Date Extracted: 5/27/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: ~~6/6/92~~ 6/8/92

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 40.00

Concentrated Extract Volume: 1000 ml Injection Volume: 2 ml

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

CAS NO.	COMPOUND			G
51-28-5	2,4-Dinitrophenol	82000.	U	
132-64-9	Dibenzofuran	16000.	U	
100-02-7	4-Nitrophenol	82000.	U	
121-14-2	2,4-Dinitrotoluene	16000.	U	
86-73-7	Fluorene	16000.	U	
84-66-2	Diethyl Phthalate	16000.	U	
7005-72-3	4-Chlorophenylphenyl Ether	16000.	U	
100-01-6	4-Nitroaniline	41000.	U	
534-52-1	2-Methyl-4,6-Dinitrophenol	41000.	U	
86-30-6	N-Nitrosodiphenylamine(1)	16000.	U	
101-55-3	4-Bromophenylphenyl Ether	16000.	U	
118-74-1	Hexachlorobenzene	16000.	U	
87-86-5	Pentachlorophenol	41000.	U	
85-01-8	Phenanthrene	16000.	U	
120-12-7	Anthracene	16000.	U	
84-74-2	Di-N-Butyl Phthalate	16000.	U	
206-44-0	Fluoranthene	16000.	U	
129-00-0	Pyrene	16000.	U	
85-68-7	Butyl Benzyl Phthalate	16000.	U	
91-94-1	3,3'-Dichlorobenzidine	33000.	U	
56-55-3	Benzo(a)anthracene	16000.	U	
218-01-9	Chrysene	16000.	U	
117-81-7	bis(2-Ethylhexyl) Phthalate	16000.	U	
117-84-0	Di-N-Octyl Phthalate	16000.	U	
205-99-2	Benzo(b)fluoranthene	16000.	U	
207-08-9	Benzo(k)fluoranthene	16000.	U	
50-32-8	Benzo(a)pyrene	16000.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	16000.	U	
53-70-3	Dibenzo(a,h)anthracene	16000.	U	
191-24-2	Benzo(ghi)Perylene	16000.	U	
86-74-8	Carbazole	16000.	U	

(1) - Cannot be separated from diphenylamine

0062

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB151618DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5561

Level: (low/med) MED Date Received: 5/27/92

% Moisture: not dec. 15. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 8000.00

GC Column: DB624 ID: .53mm

Number TICs found: ~~6~~ 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	15.62	300000.	J
2. - -	UNKNOWN	19.65	400000.	J
3. - -	UNKNOWN	20.08	60000.	J
~~4.~~	~~UNKNOWN~~	~~20.92~~	~~50000.~~	~~J~~
5. 106-46-7	Benzene, 1,4-dichloro-	25.72	200000.	J
6. 95-50-1	Benzene, 1,2-dichloro-	26.87	200000.	J
7.				
8.				
9.				
10.				
11.				
12.				
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0063

FORM I VOA-TIC 1/87 Rev.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB151618 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5561

Level: (low/med) MED Date Received: 5/27/92

% Moisture: not dec. 15. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 8000.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	94000.	U
74-83-9	Bromomethane	94000.	U
75-01-4	Vinyl Chloride	94000.	U
75-00-3	Chloroethane	94000.	U
75-09-2	Methylene Chloride	94000.	U
67-64-1	Acetone	73000.	JD
75-15-0	Carbon Disulfide	94000.	U
75-35-4	1,1-Dichloroethene	94000.	U
75-34-3	1,1-Dichloroethane	94000.	U
540-59-0	trans-1,2-Dichloroethene	94000.	U
67-66-3	Chloroform	94000.	U
107-06-2	1,2-Dichloroethane	94000.	U
78-93-3	2-Butanone	94000.	U
71-55-6	1,1,1-Trichloroethane	94000.	U
56-23-5	Carbon Tetrachloride	94000.	U
75-27-4	Bromodichloromethane	94000.	U
78-87-5	1,2-Dichloropropane	94000.	U
10061-01-5	cis-1,3-Dichloropropene	94000.	U
79-01-6	Trichloroethene	94000.	U
124-48-1	Dibromochloromethane	94000.	U
79-00-5	1,1,2-Trichloroethane	94000.	U
71-43-2	Benzene	94000.	U
10061-02-6	trans-1,3-Dichloropropene	94000.	U
75-25-2	Bromoform	94000.	U
108-10-1	4-Methyl-2-Pentanone	3500000.	ED
591-78-6	2-Hexanone	94000.	U
127-18-4	Tetrachloroethene	94000.	U
79-34-5	1,1,2,2-Tetrachloroethane	94000.	U
108-88-3	Toluene	94000.	U
108-90-7	Chlorobenzene	490000.	D
100-41-4	Ethylbenzene	640000.	D
100-42-5	Styrene	94000.	U
1330-20-7	Xylenes (total)	4800000.	D
156-59-2	cis-1,2-Dichloroethene	94000.	U
110-54-3	n-Hexane	94000.	U

9612700090

1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB15/16'-18'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) Soil Lab Sample ID: 7-172-1

Sample wt/vol: 32.41 (g/mL) g Lab File ID: Fitch 58581

Moisture: 14.7 decanted: (Y/N) N Date Received: 5-28-92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 5-28-92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 6-16-92

Injection Volume: 2 (uL) Dilution Factor: 100

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

9612700079

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	9900	J
93-72-1	2,4,5-T	5900	U

FORM I - HERB

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.2 G
Level: low
% Moisture: 15 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 6.6

Lab Sample ID: 7472-1
Lab File ID: A3302
Date Received: 05/28/92
Date Extracted: 05/29/92
Date Analyzed: 06/05/92
Dilution Factor: 50.0

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

Number TICs found: 22

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	2.60	70000	JA
2.	Unknown	10.82	500000	J
3.	Aniline compound	11.35	300000	J
4.	Unknown	11.50	100000	J
5.	Chloronitrobenzene isomer	12.10	200000	J
6.	Aniline compound	14.40	700000	J
7. 90-43-7	[1,1'-Biphenyl]-2-ol	15.88	1000000	J
8.	Chloronitrobenzene isomer	16.25	1000000	J
9. 92-69-3	[1,1'-Biphenyl]-4-ol	18.60	900000	J
10. 92-69-3	[1,1'-Biphenyl]-4-ol	18.72	400000	J
11.	Unknown	20.38	500000	J
12.	Unknown	20.73	600000	J
13.	Unknown	21.02	600000	J
14.	Unknown	24.17	2000000	J
15.	Unknown	24.40	300000	J
16.	Unknown	25.32	300000	J
17.	Unknown	26.88	600000	J
18.	Unknown	27.03	1000000	J
19.	Unknown	27.25	700000	J
20.	Unknown	27.50	400000	J
21.	Unknown	27.92	200000	J
22.	Unknown	28.35	600000	J
23.				
24.				
25.				
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27.				
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FORM I SV-TIC

9 5 1 2 7 0 0 0 7 8

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB151618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5555

Level: (low/med) MED Date Received: 5/27/92

% Moisture: not dec. 15. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	14.08	300000.	J
2.	- -	UNKNOWN	15.75	200000.	J
3.	- -	UNKNOWN	18.35	20000.	J
4.	- -	UNKNOWN	19.65	1000000.	J
5.	- -	UNKNOWN AROMATIC	21.58	70000.	J
6.	- -	UNKNOWN AROMATIC	22.78	20000.	J
7.	- -	UNKNOWN AROMATIC	23.08	20000.	J
8.	106-46-7	Benzene, 1,4-dichloro-	25.77	100000.	J
9.	95-57-8	Phenol, 2-chloro-	26.53	20000.	J
10.	95-50-1	Benzene, 1,2-dichloro-	26.92	100000.	J
11.					
12.					
13.					
14.					
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0067

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB15/16'-18'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7472-1

Sample wt/vol: 31.72 (g/mL) g Lab File ID: MONS61611

Moisture: 14.7% decanted: (Y/N) N Date Received: 05/28/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) Data Analyzed: 06/04/92

Injection Volume: 2 (uL) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	200	U
319-85-7	beta-BHC	200	U
319-86-8	delta-BHC	480	
58-89-9	gamma-BHC (Lindane)	200	U
76-44-8	Heptachlor	200	U
309-00-2	Aldrin	200	U
1024-57-3	Heptachlor epoxide	370	
959-98-8	Endosulfan I	200	U
60-57-1	Dieldrin	390	U
72-55-9	4,4'-DDE	390	U
72-20-8	Endrin	390	U
33213-65-9	Endosulfan II	390	U
72-54-8	4,4'-DDD	390	U
1031-07-8	Endosulfan sulfate	390	U
50-29-3	4,4'-DDT	390	U
72-43-5	Methoxychlor	2000	U
53494-70-5	Endrin ketone	390	U
7421-36-3	Endrin aldehyde	390	U
5103-71-9	alpha-Chlordane	200	U
5103-74-2	gamma-Chlordane	200	U
8001-35-2	Toxaphene	20000	U
15972-60-8	Alachlor	390	U
12674-11-2	Aroclor-1016	3900	U
11104-28-2	Aroclor-1221	4300	U
11141-16-5	Aroclor-1232	3900	U
53469-21-9	Aroclor-1242	3900	U
12672-29-6	Aroclor-1248	3900	U
11097-69-1	Aroclor-1254	3900	U
11096-82-5	Aroclor-1260	3900	U

FORM I PEST 3/90

9 5 1 2 7 0 0 0 0 7 5

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1

Sample wt/vol: 32.2 (g/mL) G Lab File ID: A3302

Level: (low/med) LOW Date Received: 5/28/92

% Moisture: not dec. 15. dec. 0. Date Extracted: 5/29/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 50.00

Concentrated Extract Volume: 1000ml Injected Volume: 2ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	91000.	U
132-64-9	Dibenzofuran	18000.	U
100-02-7	4-Nitrophenol	91000.	U
121-14-2	2,4-Dinitrotoluene	18000.	U
86-73-7	Fluorene	18000.	U
84-66-2	Diethyl Phthalate	18000.	U
7005-72-3	4-Chlorophenylphenyl Ether	18000.	U
100-01-6	4-Nitroaniline	45000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	45000.	U
86-30-6	N-Nitrosodiphenylamine	18000.	U
101-55-3	4-Bromophenylphenyl Ether	18000.	U
118-74-1	Hexachlorobenzene	18000.	U
87-86-5	Pentachlorophenol	16000.	J
85-01-8	Phenanthrene	18000.	U
120-12-7	Anthracene	18000.	U
84-74-2	Di-N-Butyl Phthalate	18000.	U
206-44-0	Fluoranthene	18000.	U
129-00-0	Pyrene	18000.	U
85-68-7	Butyl Benzyl Phthalate	18000.	U
91-94-1	3,3'-Dichlorobenzidine	36000.	U
56-55-3	Benzo(a)anthracene	18000.	U
218-01-9	Chrysene	18000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	18000.	U
117-84-0	Di-N-Octyl Phthalate	18000.	U
205-99-2	Benzo(b)fluoranthene	18000.	U
207-08-9	Benzo(k)fluoranthene	18000.	U
50-32-8	Benzo(a)pyrene	18000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	18000.	U
53-70-3	Dibenzo(a,h)anthracene	18000.	U
191-24-2	Benzo(ghi)Perylene	18000.	U
86-74-8	Carbazole	18000.	U

(1) - Cannot be separated from diphenylamine

9612700075

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1

Sample wt/vol: 32.2 (g/mL) G Lab File ID: A3302

Level: (low/med) LOW Date Received: 5/28/92

% Moisture: not dec. 15. dec. 0. Date Extracted: 5/29/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 5/92

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 50.00

Concentrated Extract Volume: 2500 ml Injection Volume: 2 ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG		G
108-95-2	Phenol	770000.		E
95-57-8	2-Chlorophenol	1300000.		E
111-44-4	bis(2-Chloroethyl) Ether	18000.	U	
541-73-1	1,3-Dichlorobenzene	18000.	U	
106-46-7	1,4-Dichlorobenzene	77000.		
95-50-1	1,2-Dichlorobenzene	84000.		
108-60-1	bis(2-Chloroisopropyl) Ether	18000.	U	
95-48-7	2-Methyl Phenol	18000.	U	
67-72-1	Hexachloroethane	18000.	U	
621-64-7	N-Nitrosodi-N-Propylamine	18000.	U	
106-44-5	4-Methyl Phenol	18000.	U	
98-95-3	Nitrobenzene	1300000.		E
78-59-1	Isophorone	18000.	U	
88-75-5	2-Nitrophenol	18000.	U	
105-67-9	2,4-Dimethylphenol	18000.	U	
111-91-1	bis(2-Chloroethoxy) Methane	18000.	U	
120-83-2	2,4-Dichlorophenol	32000000.		E
120-82-1	1,2,4-Trichlorobenzene	18000.	U	
91-20-3	Naphthalene	18000.	U	
106-47-8	4-Chloroaniline	18000.	U	
87-68-3	Hexachlorobutadiene	18000.	U	
59-50-7	4-Chloro-3-Methyl Phenol	18000.	U	
91-57-6	2-Methylnaphthalene	18000.	U	
77-47-4	Hexachlorocyclopentadiene	18000.	U	
88-06-2	2,4,6-Trichlorophenol	1600000.		E
95-95-4	2,4,5-Trichlorophenol	91000.	U	
91-58-7	2-Chloronaphthalene	18000.	U	
88-74-4	2-Nitroaniline	91000.	U	
131-11-3	Dimethyl Phthalate	18000.	U	
208-96-8	Acenaphthylene	18000.	U	
606-20-2	2,6-Dinitrotoluene	18000.	U	
99-09-2	3-Nitroaniline	91000.	U	
83-32-9	Acenaphthene	18000.	U	

9612700071

0070

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB151618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5555

Level: (low/med) MED Date Received: 5/27/92

% Moisture: not dec. 15. Date Analyzed: 5/29/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200.	U
74-83-9	Bromomethane	1200.	U
75-01-4	Vinyl Chloride	1200.	U
75-00-3	Chloroethane	1200.	U
75-09-2	Methylene Chloride	1200.	U
67-64-1	Acetone	23000.	B
75-15-0	Carbon Disulfide	1200.	U
75-35-4	1,1-Dichloroethene	1200.	U
75-34-3	1,1-Dichloroethane	1200.	U
540-59-0	trans-1,2-Dichloroethene	1200.	U
67-66-3	Chloroform	1200.	U
107-06-2	1,2-Dichloroethane	1200.	U
78-93-3	2-Butanone	950.	BJ
71-55-6	1,1,1-Trichloroethane	1200.	U
56-23-5	Carbon Tetrachloride	1200.	U
75-27-4	Bromodichloromethane	1200.	U
78-87-5	1,2-Dichloropropane	1200.	U
10061-01-5	cis-1,3-Dichloropropene	1200.	U
79-01-6	Trichloroethene	1200.	U
124-48-1	Dibromochloromethane	1200.	U
79-00-5	1,1,2-Trichloroethane	1200.	U
71-43-2	Benzene	640.	J
10061-02-6	trans-1,3-Dichloropropene	1200.	U
75-25-2	Bromoform	1200.	U
108-10-1	4-Methyl-2-Pentanone	110000.	E
591-78-6	2-Hexanone	1200.	U
127-18-4	Tetrachloroethene	1200.	J
79-34-5	1,1,2,2-Tetrachloroethane	1200.	U
108-88-3	Toluene	1200.	U
108-90-7	Chlorobenzene	100000.	E
100-41-4	Ethylbenzene	520000.	E
100-42-5	Styrene	1200.	U
1330-20-7	Xylenes (total)	~~1200.~~	~~U~~ E*
156-59-2	cis-1,2-Dichloroethene	1200.	U
110-54-3	n-Hexane	1200.	U

*Outside Calibration Range.

0071

9512700073

FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

LAB NAME ESE (Peoria) IEPA SAMPLE NO SB15/16'-18'

MATRIX SOIL LAB SAMPLE ID 7472-1

% SOLIDS 85.3 DATE RECEIVED 5-28-92

CONCENTRATION UNITS mg/kg dry weight

ANALYTE	CONCENTRATION	C	METHOD	Q
Cyanide	0.29	U	C	
Sulfide	12.0	U	T	N
Sulfate	12200		C	

ENVIROFORMS/CLP 788

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB151618

Lab Name: ESE, Inc. Contract: IEPA

Lab Code: Case No.: SAS No.: SDG No.: MON196

Matrix (soil/water): SOIL Lab Sample ID: 7472-1

Level (low/med): LOW Date Received: 05/28/92

% Solids: 85.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5520			P
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	3.4			F
7440-39-3	Barium	45.0			P
7440-41-7	Beryllium	0.75	B		P
7440-43-9	Cadmium	0.94	U		P
7440-70-2	Calcium	16300			P
7440-47-3	Chromium	19.6			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	32.0			P
7439-89-6	Iron	10800			P
7439-92-1	Lead	6.3			F
7439-95-4	Magnesium	576	B	E	P
7439-96-5	Manganese	50.1		N*	P
7439-97-6	Mercury	5.4			CV
7440-02-0	Nickel	14.0			P
7440-09-7	Potassium	671	B		P
7782-49-2	Selenium	0.23	U	N	F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	533	B		P
7440-28-0	Thallium	0.23	U		F
7440-62-2	Vanadium	33.6			P
7440-66-6	Zinc	52.5		N	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB14/30'-32'DL

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7448-2DL

Sample wt/vol: 31.42 (g/mL) g Lab File ID: MONS56561

Moisture: 28.4% decanted: (Y/N) N Date Received: 05/27/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 05/28/92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 06/04/92

Injection Volume: 2 (uL) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	360	D
319-85-7	beta-BHC	240	U
319-86-8	delta-BHC	240	U
58-89-9	gamma-BHC (Lindane)	240	U
76-44-8	Heptachlor	240	U
309-00-2	Aldrin	240	U
1024-57-3	heptachlor epoxide	440	D
959-98-8	Endosulfan I	240	U
60-57-1	Dieldrin	460	U
72-55-9	4,4'-DDE	460	U
72-20-8	Endrin	460	U
33213-65-9	Endosulfan II	460	U
72-54-8	4,4'-DDD	460	U
1031-07-8	Endosulfan sulfate	460	U
50-29-3	4,4'-DDT	460	U
72-43-5	Methoxychlor	2400	U
53494-70-5	Endrin ketone	460	U
7421-36-3	Endrin aldehyde	460	U
5103-71-9	alpha-Chlordane	240	U
5103-74-2	gamma-Chlordane	240	U
8001-35-2	Toxaphene	24000	U
15972-60-8	Alachlor	460	U
12674-11-2	Aroclor-1016	4600	U
11104-28-2	Aroclor-1221	9400	U
11141-16-5	Aroclor-1232	4600	U
53469-21-9	Aroclor-1242	4600	U
12672-29-6	Aroclor-1248	4600	U
11097-69-1	Aroclor-1254	4600	U
11096-82-5	Aroclor-1260	4600	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB151618 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5564

Level: (low/med) MED Date Received: 5/27/92

% Moisture: not dec. 15. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 25000.00

GC Column: DB624 ID: .53mm

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	290000.	U
74-83-9	Bromomethane	290000.	U
75-01-4	Vinyl Chloride	290000.	U
75-00-3	Chloroethane	290000.	U
75-09-2	Methylene Chloride	290000.	U
67-64-1	Acetone	290000.	U
75-15-0	Carbon Disulfide	290000.	U
75-35-4	1,1-Dichloroethene	290000.	U
75-34-3	1,1-Dichloroethane	290000.	U
540-59-0	trans-1,2-Dichloroethene	290000.	U
67-66-3	Chloroform	290000.	U
107-06-2	1,2-Dichloroethane	290000.	U
78-93-3	2-Butanone	290000.	U
71-55-6	1,1,1-Trichloroethane	290000.	U
56-23-5	Carbon Tetrachloride	290000.	U
75-27-4	Bromodichloromethane	290000.	U
78-87-5	1,2-Dichloropropane	290000.	U
10061-01-5	cis-1,3-Dichloropropene	290000.	U
79-01-6	Trichloroethene	290000.	U
124-48-1	Dibromochloromethane	290000.	U
79-00-5	1,1,2-Trichloroethane	290000.	U
71-43-2	Benzene	290000.	U
10061-02-6	trans-1,3-Dichloropropene	290000.	U
75-25-2	Bromoform	290000.	U
108-10-1	4-Methyl-2-Pentanone	3500000.	D
591-78-6	2-Hexanone	290000.	U
127-18-4	Tetrachloroethene	290000.	U
79-34-5	1,1,2,2-Tetrachloroethane	290000.	U
108-88-3	Toluene	290000.	U
108-90-7	Chlorobenzene	510000.	D
100-41-4	Ethylbenzene	670000.	D
100-42-5	Styrene	290000.	U
1330-20-7	Xylenes (total)	1200000.	D
156-59-2	cis-1,2-Dichloroethene	290000.	U
110-54-3	n-Hexane	290000.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB151618 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5564

Level: (low/med) MED Date Received: 5/27/92

% Moisture: not dec. 15. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 25000.00

GC Column: DB624 ID: .53mm

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	15.58	200000.	J
2. - -	UNKNOWN	19.63	300000.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18RE

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.2 G
Level: low
% Moisture: 15 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 6.6

Lab Sample ID: 7472-1RE
Lab File ID: A3327
Date Received: 05/28/92
Date Extracted: 05/29/92
Date Analyzed: 06/09/92
Dilution Factor: 50

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q
108-95-2	Phenol	770000	E
111-14-4	bis(2-Chloroethyl)ether	1200000	E
95-57-8	2-Chlorophenol	18000	U
541-73-1	1,3-Dichlorobenzene	18000	U
106-46-7	1,4-Dichlorobenzene	72000	
95-50-1	1,2-Dichlorobenzene	81000	
95-48-7	2-Methylphenol	18000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	18000	U
106-44-5	4-Methylphenol	18000	U
621-64-7	N-Nitroso-di-n-propylamine	18000	U
67-72-1	Hexachloroethane	18000	U
78-95-3	Nitrobenzene	1700000	E
88-59-1	Isophorone	18000	U
88-75-5	2-Nitrophenol	18000	U
105-67-9	2,4-Dimethylphenol	18000	U
111-91-1	bis(2-Chloroethoxy)methane	18000	U
120-83-2	2,4-Dichlorophenol	44000000	E
120-82-1	1,2,4-Trichlorobenzene	18000	U
91-20-3	Naphthalene	18000	U
106-47-8	4-Chloroaniline	18000	U
87-68-3	Hexachlorobutadiene	18000	U
59-50-7	4-Chloro-3-methylphenol	18000	U
91-57-6	2-Methylnaphthalene	18000	U
77-47-4	Hexachlorocyclopentadiene	18000	U
88-06-2	2,4,6-Trichlorophenol	1700000	E
95-95-4	2,4,5-Trichlorophenol	90000	U
91-58-7	2-Chloronaphthalene	18000	U
88-74-4	2-Nitroaniline	90000	U
131-11-3	Dimethylphthalate	18000	U
208-96-8	Acenaphthylene	18000	U
606-20-2	2,6-Dnitrotoluene	18000	U
99-09-2	3-Nitroaniline	90000	U
83-32-9	Acenaphthene	18000	U

FORM I SV-1

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18RE

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.2 G
Level: low
% Moisture: 15 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 6.6

Lab Sample ID: 7472-1RE
Lab File ID: A3327
Date Received: 05/28/92
Date Extracted: 05/29/92
Date Analyzed: 06/09/92
Dilution Factor: 50

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q
51-28-5	2,4-Dinitrophenol	90000	U
132-64-9	Dibenzofuran	18000	U
100-02-7	4-Nitrophenol	90000	U
121-14-2	2,4-Dinitrotoluene	18000	U
86-73-7	Fluorene	18000	U
84-66-2	Diethylphthalate	18000	U
7005-72-3	4-Chlorophenylphenyl ether	18000	U
100-01-6	4-Nitroaniline	46000	U
534-52-1	2-Methyl-4,6-dinitrophenol	46000	U
86-30-6	N-Nitrosodiphenylamine(1)	18000	U
101-55-3	4-Bromophenylphenyl ether	18000	U
118-74-1	Hexachlorobenzene	18000	U
87-86-1	Pentachlorophenol	46000	U
85-01-8	Phenanthrene	18000	U
120-12-7	Anthracene	18000	U
84-74-2	Di-N-butylphthalate	18000	U
206-44-0	Fluoranthene	18000	U
129-00-0	Pyrene	18000	U
85-68-7	Butylbenzylphthalate	18000	U
91-94-1	3,3'-Dichlorobenzidine	36000	U
56-55-3	Benzo(a)anthracene	18000	U
218-01-9	Chrysene	18000	U
117-81-7	bis(2-Ethylhexyl)phthalate	18000	U
117-84-0	Di-N-octylphthalate	18000	U
205-99-2	Benzo(b)fluoranthene	18000	U
207-08-9	Benzo(k)fluoranthene	18000	U
50-32-8	Benzo(a)pyrene	18000	U
193-39-5	Indeno(1,2,3-cd)pyrene	18000	U
53-70-3	Dibenzo(a,h)anthracene	18000	U
191-24-2	Benzo(g,h,i)perylene	18000	U
86-74-8	Carbazole	18000	U

(1) Cannot be separated from diphenylamine.

FORM I SV-2

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18RE

Lab Name: E.S.E. Contract:
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.2 G
Level: low
% Moisture: 15 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 6.6

Lab Sample ID: 7472-1RE
Lab File ID: A3327
Date Received: 05/28/92
Date Extracted: 05/29/92
Date Analyzed: 06/09/92
Dilution Factor: 50

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.73	200000	J
2.	Dichlorophenol isomer	11.32	20000	J
3.	UNKNOWN	11.60	200000	J
4.	Chloronitrobenzene isomer	12.27	100000	J
5.	Chloronitrobenzene isomer	12.47	40000	J
6.	UNKNOWN	12.60	40000	J
7.	Chloronitrobenzene isomer	12.77	40000	J
8.	UNKNOWN	12.88	10000	J
9.	Chloronitrobenzene isomer	12.95	30000	J
10.	Aniline compound	14.20	1000000	J
11. 90-43-7	[1,1'-Biphenyl]-2-ol	15.73	2000000	J
12. 92-69-3	[1,1'-Biphenyl]-4-ol	18.37	500000	J
13. 92-69-3	[1,1'-Biphenyl]-4-ol	18.50	200000	J
14.	UNKNOWN	20.17	600000	J
15.	UNKNOWN	20.52	400000	J
16.	UNKNOWN	20.77	400000	J
17.	UNKNOWN	23.52	300000	J
18.	UNKNOWN	24.17	400000	J
19.	UNKNOWN	26.65	1000000	J
20.	UNKNOWN	26.78	2000000	J
21.	UNKNOWN	26.98	800000	J
22.	UNKNOWN	28.07	100000	J
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FORM I SV-TIC

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 32.2 (g/mL) G Lab File ID: A3321

Level: (low/med) LOW Date Received: 5/28/92

% Moisture: not dec. 15. dec. 0. Date Extracted: 5/29/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 500.00

Concentrated Extract Volume: 2500 ml Injection Volume: 2 ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	600000.	D
95-57-8	2-Chlorophenol	1000000.	D
111-44-4	bis(2-Chloroethyl) Ether	180000.	U
541-73-1	1,3-Dichlorobenzene	180000.	U
106-46-7	1,4-Dichlorobenzene	180000.	U
95-50-1	1,2-Dichlorobenzene	180000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	180000.	U
95-48-7	2-Methyl Phenol	180000.	U
67-72-1	Hexachloroethane	180000.	U
621-64-7	N-Nitrosodi-N-Propylamine	180000.	U
106-44-5	4-Methyl Phenol	180000.	U
98-95-3	Nitrobenzene	340000.	D
78-59-1	Isophorone	180000.	U
88-75-5	2-Nitrophenol	180000.	U
105-67-9	2,4-Dimethylphenol	180000.	U
111-91-1	bis(2-Chloroethoxy) Methane	180000.	U
120-83-2	2,4-Dichlorophenol	10000000.	ED
120-82-1	1,2,4-Trichlorobenzene	180000.	U
91-20-3	Naphthalene	180000.	U
106-47-8	4-Chloroaniline	180000.	U
87-68-3	Hexachlorobutadiene	180000.	U
59-50-7	4-Chloro-3-Methyl Phenol	180000.	U
91-57-6	2-Methylnaphthalene	180000.	U
77-47-4	Hexachlorocyclopentadiene	180000.	U
88-06-2	2,4,6-Trichlorophenol	1600000.	ED
95-95-4	2,4,5-Trichlorophenol	910000.	U
91-58-7	2-Chloronaphthalene	180000.	U
88-74-4	2-Nitroaniline	910000.	U
131-11-3	Dimethyl Phthalate	180000.	U
208-96-8	Acenaphthylene	180000.	U
606-20-2	2,6-Dinitrotoluene	180000.	U
99-09-2	3-Nitroaniline	910000.	U
83-32-9	Acenaphthene	180000.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-1DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 32.2 (g/mL) G Lab File ID: A3321

Level: (low/med) LOW Date Received: 5/28/92

% Moisture: not dec. 15. dec. 0. Date Extracted: 5/29/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 500.00

Concentrated Extract Volume: 2500ml Injection Volume: 2ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	910000.	U
132-64-9	Dibenzofuran	180000.	U
100-02-7	4-Nitrophenol	910000.	U
121-14-2	2,4-Dinitrotoluene	180000.	U
86-73-7	Fluorene	180000.	U
84-66-2	Diethyl Phthalate	180000.	U
7005-72-3	4-Chlorophenylphenyl Ether	180000.	U
100-01-6	4-Nitroaniline	450000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	450000.	U
86-30-6	N-Nitrosodiphenylamine(1)	180000.	U
101-55-3	4-Bromophenylphenyl Ether	180000.	U
118-74-1	Hexachlorobenzene	180000.	U
87-86-5	Pentachlorophenol	450000.	U
85-01-8	Phenanthrene	180000.	U
120-12-7	Anthracene	180000.	U
84-74-2	Di-N-Butyl Phthalate	180000.	U
206-44-0	Fluoranthene	180000.	U
129-00-0	Pyrene	180000.	U
85-68-7	Butyl Benzyl Phthalate	180000.	U
91-94-1	3,3'-Dichlorobenzidine	360000.	U
56-55-3	Benzo(a)anthracene	180000.	U
218-01-9	Chrysene	180000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	180000.	U
117-84-0	Di-N-Octyl Phthalate	180000.	U
205-99-2	Benzo(b)fluoranthene	180000.	U
207-08-9	Benzo(k)fluoranthene	180000.	U
50-32-8	Benzo(a)pyrene	180000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	180000.	U
53-70-3	Dibenzo(a,h)anthracene	180000.	U
191-24-2	Benzo(ghi)Perylene	180000.	U
86-74-8	Carbazole	180000.	U

(1) - Cannot be separated from diphenylamine

0081

FORM I SV-2 1/87 Rev.

9412700098

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18DL

Lab Name: E.S.E. Contract:
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.2 G
Level: low
% Moisture: 15 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 6.6

Lab Sample ID: 7472-1 DL
Lab File ID: A3321
Date Received: 05/28/92
Date Extracted: 05/29/92
Date Analyzed: 06/09/92
Dilution Factor: 500.0

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.15	700000	J
2.	Aniline compound	10.52	100000	J
3.	Aniline compound	10.62	200000	J
4.	Dichlorophenol isomer	11.43	10000000	J
5.	Chloronitrobenzene isomer	12.23	10000000	J
6.	Chloronitrobenzene isomer	12.27	2000000	J
7.	Aniline Compound	14.02	400000	J
8. 90-43-7	[1,1'-Biphenyl]-2-ol	15.87	2000000	J
9. 92-69-3	[1,1'-Biphenyl]-4-ol	18.20	800000	J
10. 90-43-7	[1,1'-Biphenyl]-2-ol	18.32	1000000	J
11.	Unknown	20.33	2000000	J
12.	Unknown	20.42	200000	J
13.	Unknown	20.53	700000	J
14.	Unknown	23.73	3000000	J
15.	Unknown	25.00	600000	J
16.	Unknown	26.57	300000	J
17.	Unknown	26.77	800000	J
18.	Unknown	27.07	500000	J
19.	Unknown	27.87	1000000	J
20.	Unknown	31.20	1000000	J
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FORM I SV-TIC

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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB15/16-18DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 32.2 (g/mL) G Lab File ID: A3319

Level: (low/med) LOW Date Received: 5/28/92

% Moisture: not dec. 15. dec. 0. Date Extracted: 5/29/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 5000.00

Concentrated Extract Volume: 2500.0 Injection Volume: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1800000.	U
95-57-8	2-Chlorophenol	1800000.	U
111-44-4	bis(2-Chloroethyl) Ether	1800000.	U
541-73-1	1,3-Dichlorobenzene	1800000.	U
106-46-7	1,4-Dichlorobenzene	1800000.	U
95-50-1	1,2-Dichlorobenzene	1800000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	1800000.	U
95-48-7	2-Methyl Phenol	1800000.	U
67-72-1	Hexachloroethane	1800000.	U
621-64-7	N-Nitrosodi-N-Propylamine	1800000.	U
106-44-5	4-Methyl Phenol	1800000.	U
98-95-3	Nitrobenzene	1800000.	U
78-59-1	Isophorone	1800000.	U
88-75-5	2-Nitrophenol	1800000.	U
105-67-9	2,4-Dimethylphenol	1800000.	U
111-91-1	bis(2-Chloroethoxy) Methane	1800000.	U
120-83-2	2,4-Dichlorophenol	8600000.	D
120-82-1	1,2,4-Trichlorobenzene	1800000.	U
91-20-3	Naphthalene	1800000.	U
106-47-8	4-Chloroaniline	1800000.	U
87-68-3	Hexachlorobutadiene	1800000.	U
59-50-7	4-Chloro-3-Methyl Phenol	1800000.	U
91-57-6	2-Methylnaphthalene	1800000.	U
77-47-4	Hexachlorocyclopentadiene	1800000.	U
88-06-2	2,4,6-Trichlorophenol	930000.	JD
95-95-4	2,4,5-Trichlorophenol	9100000.	U
91-58-7	2-Chloronaphthalene	1800000.	U
88-74-4	2-Nitroaniline	9100000.	U
131-11-3	Dimethyl Phthalate	1800000.	U
208-96-8	Acenaphthylene	1800000.	U
606-20-2	2,6-Dinitrotoluene	1800000.	U
99-09-2	3-Nitroaniline	9100000.	U
83-32-9	Acenaphthene	1800000.	U

0033

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA S EET

EPA SAMPLE NO.

SB15/16-18DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7472-1DL

Sample wt/vol: 32.2 (g/mL) G Lab File ID: A3319

Level: (low/med) LOW Date Received: 5/28/92

% Moisture: not dec. 15. dec. 0. Date Extracted: 5/29/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 6.6 Dilution Factor: 5000.00

Concentrated Extract Volume: 2200 ml digestion Volume: 2 ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9100000.	U
132-64-9	Dibenzofuran	1800000.	U
100-02-7	4-Nitrophenol	9100000.	U
121-14-2	2,4-Dinitrotoluene	1800000.	U
86-73-7	Fluorene	1800000.	U
84-66-2	Diethyl Phthalate	1800000.	U
7005-72-3	4-Chlorophenylphenyl Ether	1800000.	U
100-01-6	4-Nitroaniline	4500000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	4500000.	U
86-30-6	N-Nitrosodiphenylamine (1)	1800000.	U
101-55-3	4-Bromophenylphenyl Ether	1800000.	U
118-74-1	Hexachlorobenzene	1800000.	U
87-86-5	Pentachlorophenol	4500000.	U
85-01-8	Phenanthrene	1800000.	U
120-12-7	Anthracene	1800000.	U
84-74-2	Di-N-Butyl Phthalate	1800000.	U
206-44-0	Fluoranthene	1800000.	U
129-00-0	Pyrene	1800000.	U
85-68-7	Butyl Benzyl Phthalate	1800000.	U
91-94-1	3,3'-Dichlorobenzidine	3600000.	U
56-55-3	Benzo(a)anthracene	1800000.	U
218-01-9	Chrysene	1800000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	1800000.	U
117-84-0	Di-N-Octyl Phthalate	1800000.	U
205-99-2	Benzo(b)fluoranthene	1800000.	U
207-08-9	Benzo(k)fluoranthene	1800000.	U
50-32-8	Benzo(a)pyrene	1800000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	1800000.	U
53-70-3	Dibenzo(a,h)anthracene	1800000.	U
191-24-2	Benzo(ghi)Perylene	1800000.	U
86-74-8	Carbazole	1800000.	U

(1) - Cannot be separated from diphenylamine

0034

961270009 1

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB15/16-18DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.2 G
Level: low
% Moisture: 15 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 6.6

Lab Sample ID: 7472-1 DL
Lab File ID: A3319
Date Received: 05/28/92
Date Extracted: 05/29/92
Date Analyzed: 06/09/92
Dilution Factor: 5000.0

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.12	600000	J
2.	Dichlorophenol	11.38	3000000	J
3.	Unknown	11.48	400000	J
4.	Chloronitrobenzene isomer	11.80	8000000	J
5.	Chloronitrobenzene isomer	12.07	20000000	J
6.	Unknown	13.98	700000	J
7.	Unknown	15.07	1000000	J
8. 90-43-7	[1,1-Biphenyl]-4-ol	15.83	2000000	J
9. 92-69-3	[1,1'-Biphenyl]-4-ol	17.15	400000	J
10.	Unknown	18.32	600000	J
11.	Unknown	20.33	1000000	J
12.	Unknown	20.48	500000	J
13.	Unknown	23.68	2000000	J
14.	Unknown	26.55	2000000	J
15.	Unknown	26.77	500000	J
16.	Unknown	27.88	600000	J
17.	Unknown	31.55	7000000	J
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FORM I SV-TIC

ENVIROFORMS/CLP 788

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB161618

Lab Name: ESE, Inc. Contract: IEPA

Lab Code: Case No.: SAS No.: SDG No.: MON196

Matrix (soil/water): SOIL Lab Sample ID: 7517-1

Level (low/med): LOW Date Received: 05/28/92

% Solids: 83.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	4.1	B	N	P
7440-38-2	Arsenic	5.3			F
7440-39-3	Barium	227			P
7440-41-7	Beryllium	0.67	B		P
7440-43-9	Cadmium	0.95	U		P
7440-70-2	Calcium	5720			P
7440-47-3	Chromium	17.5			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	14.4			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	19.2			F
7439-95-4	Magnesium	3380		E	P
7439-96-5	Manganese	523		N*	P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	19.7			P
7440-09-7	Potassium	1770			P
7782-49-2	Selenium	0.45	B	N	F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	2730			P
7440-28-0	Thallium	0.24	U		F
7440-62-2	Vanadium	24.9			P
7440-66-6	Zinc	96.0		N	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

0036

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FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

LAB NAME ESE (Peoria) IEPA SAMPLE NO SB16/16'-18'

MATRIX SOIL LAB SAMPLE ID 7517-1

% SOLIDS 83.8 DATE RECEIVED 5-30-92

CONCENTRATION UNITS mg/kg dry weight

ANALYTE	CONCENTRATION	C	METHOD	Q
Cyanide	0.30	U	C	
Sulfide	12.0	U	T	N
Sulfate	1350		C	

9 5 1 2 7 0 0 0 0 9 4

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB161618

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5590

Level: (low/med) LOW Date Received: 5/29/92

% Moisture: not dec. 16. Date Analyzed: 6/ 2/92

Column: (pack/cap) CAP Dilution Factor: 5.00

α Column: DB624 ID: .53mm

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	60.	U
74-83-9	Bromomethane	60.	U
75-01-4	Vinyl Chloride	60.	U
75-00-3	Chloroethane	60.	U
75-09-2	Methylene Chloride	67.	
67-64-1	Acetone	60.	U
75-15-0	Carbon Disulfide	60.	U
75-35-4	1,1-Dichloroethene	60.	U
75-34-3	1,1-Dichloroethane	60.	U
540-59-0	trans-1,2-Dichloroethene	60.	U
67-66-3	Chloroform	60.	U
107-06-2	1,2-Dichloroethane	60.	U
78-93-3	2-Butanone	41.	J
71-55-6	1,1,1-Trichloroethane	60.	U
56-23-5	Carbon Tetrachloride	60.	U
75-27-4	Bromodichloromethane	60.	U
78-87-5	1,2-Dichloropropane	60.	U
10061-01-5	cis-1,3-Dichloropropene	60.	U
79-01-6	Trichloroethene	60.	U
124-48-1	Dibromochloromethane	60.	U
79-00-5	1,1,2-Trichloroethane	60.	U
71-43-2	Benzene	45.	J
10061-02-6	trans-1,3-Dichloropropene	60.	U
75-25-2	Bromoform	60.	U
108-10-1	4-Methyl-2-Pentanone	840.	
591-78-6	2-Hexanone	60.	U
127-18-4	Tetrachloroethene	60.	U
79-34-5	1,1,2,2-Tetrachloroethane	60.	U
108-88-3	Toluene	72.	
108-90-7	Chlorobenzene	2800.	E
100-41-4	Ethylbenzene	60.	U
100-42-5	Styrene	60.	U
1330-20-7	Xylenes (total)	82.	
156-59-2	cis-1,2-Dichloroethene	60.	U
110-54-3	n-Hexane	60.	U

0038

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1

Sample wt/vol: 31.1 (g/mL) G Lab File ID: A3326

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 16. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 9.0 Dilution Factor: 1.00

Concentrated Extract Volume: 500ml Injection Volume: 2ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	61000.	E
95-57-8	2-Chlorophenol	230000.	E
111-44-4	bis(2-Chloroethyl) Ether	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
95-50-1	1,2-Dichlorobenzene	3300.	E
108-60-1	bis(2-Chloroisopropyl) Ether	380.	U
95-48-7	2-Methyl Phenol	380.	U
67-72-1	Hexachloroethane	380.	U
621-64-7	N-Nitrosodi-N-Propylamine	380.	U
106-44-5	4-Methyl Phenol	380.	U
98-95-3	Nitrobenzene	3600.	E
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
111-91-1	bis(2-Chloroethoxy) Methane	380.	U
120-83-2	2,4-Dichlorophenol	36000.	E
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	—	*
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-Methyl Phenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	16000	E
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethyl Phthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U

* Acceptable for calibration curve. Instrument cannot integrate peak

FORM I SV-1 1/87 Rev.

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0039

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1

Sample wt/vol: 31.1 (g/mL) G Lab File ID: A3326

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 16. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 9.0 Dilution Factor: 1.00

Concentrated Extract Volume: 500ml Digestion Volume: 2ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900.	U
132-64-9	Dibenzofuran	[illegible]	U
100-02-7	4-Nitrophenol	[illegible]	U
121-14-2	2,4-Dinitrotoluene	[illegible]	U
86-73-7	Fluorene	[illegible]	U
84-66-2	Diethyl Phthalate	380.	U
7005-72-3	4-Chlorophenylphenyl Ether	380.	U
100-01-6	4-Nitroaniline	960.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	960.	U
86-30-6	N-Nitrosodiphenylamine	380.	U
101-55-3	4-Bromophenylphenyl Ether	380.	U
118-74-1	Hexachlorobenzene	380.	U
87-86-5	Pentachlorophenol	960.	U
85-01-8	Phenanthrene	380.	U
120-12-7	Anthracene	380.	U
84-74-2	Di-N-Butyl Phthalate	380.	U
206-44-0	Fluoranthene	380.	U
129-00-0	Pyrene	380	U
85-68-7	Butyl Benzyl Phthalate	260	J
91-94-1	3,3'-Dichlorobenzidine	770.	U
56-55-3	Benzo(a)anthracene	380.	U
218-01-9	Chrysene	380.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	290.	JB
117-84-0	Di-N-Octyl Phthalate	380	U
205-99-2	Benzo(b)fluoranthene	380.	U
207-08-9	Benzo(k)fluoranthene	380.	U
50-32-8	Benzo(a)pyrene	380.	U
193-39-5	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3	Dibenzo(a,h)anthracene	380.	U
191-24-2	Benzo(ghi)Perylene	380.	U
86-74-8	Carbazole	380.	U

(1) - Cannot be separated from diphenylamine

0030

9612700009 7

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB16/16'-18'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7517-1

Sample wt/vol: 32.92 (g/mL) g Lab File ID: MONS70701

Moisture: 16.2% decanted: (Y/N) N Date Received: 05/30/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 06/02/92

Concentrated Extract Volume: 5 (mL) Data Analyzed: 06/04/92

Injection Volume: 2 (uL) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	17	
309-00-2	Aldrin	42	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	280	E
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	250	E
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	130	
53494-70-5	Endrin ketone	59	
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	41	
8001-35-2	Toxaphene	200	U
15972-60-8	Alachlor	46	
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	43	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB16161B

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5590

Level: (low/med) LOW Date Received: 5/29/92

% Moisture: not dec. 16. Date Analyzed: 6/ 2/92

Column: (pack/cap) CAP Dilution Factor: 5.00

GC Column: DB624 ID: .53mm

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	15.60	60.	J
2.	106-46-7	Benzene, 1,4-dichloro-	25.73	300.	J
3.	- -	UNKNOWN	26.55	10000.	J
4.	95-50-1	Benzene, 1,2-dichloro-	26.92	5000.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 31.1 G
Level: low
% Moisture: 16 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 9.0

Lab Sample ID: 7517-1
Lab File ID: A3326
Date Received: 05/30/92
Date Extracted: 06/02/92
Date Analyzed: 06/09/92
Dilution Factor: 1.00

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	3.98	3000	J
2.	Aldol Condensate	5.90	7000	JA
3.	Chloroaniline isomer	10.30	20000	J
4.	Unknown	11.23	6000	J
5.	Chloronitrobenzene isomer	12.23	35000	J
6.	Chloronitrobenzene isomer	12.75	3000	J
7.	Unknown	13.73	3000	J
8. 90-43-7	[1,1-Biphenyl]-2-ol	16.00	3000	J
9.	Unknown	21.80	9000	J
10.	Unknown	23.07	4000	J
11.	Unknown	23.20	10000	J
12.	Unknown	23.77	5000	J
13.	Unknown	23.90	8000	J
14.	Unknown	25.05	5000	J
15.	Unknown	26.28	3000	J
16.	Unknown	26.65	6000	J
17.	Unknown	27.95	3000	J
18.	Unknown	31.42	2000	J
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FORM I SV-TIC

9612700100

1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB16/16'-18'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) Soil Lab Sample ID: 7517-1

Sample wt/vol: 31.75 (g/mL) g Lab File ID: Fitch 54541

Moisture: 16.2 decanted: (Y/N) N Date Received: 5-30-92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 6/1/92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 6-16-92

Injection Volume: 2 (uL) Dilution Factor: 100

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

9612700010

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	12000	U
93-72-1	2,4,5-T	6000	U

FORM I - HERB

0094

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB161618 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5563

Level: (low/med) MED Date Received: 5/29/92

% Moisture: not dec. 26. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	1400.	U
74-83-9	Bromomethane	1400.	U
75-01-4	Vinyl Chloride	1400.	U
75-00-3	Chloroethane	1400.	U
75-09-2	Methylene Chloride	1400.	U
67-64-1	Acetone	5200.	D
75-15-0	Carbon Disulfide	1400.	U
75-35-4	1,1-Dichloroethene	1400.	U
75-34-3	1,1-Dichloroethane	1400.	U
540-59-0	trans-1,2-Dichloroethene	1400.	U
67-66-3	Chloroform	1400.	U
107-06-2	1,2-Dichloroethane	1400.	U
78-93-3	2-Butanone	1400.	U
71-55-6	1,1,1-Trichloroethane	1400.	U
56-23-5	Carbon Tetrachloride	1400.	U
75-27-4	Bromodichloromethane	1400.	U
78-87-5	1,2-Dichloropropane	1400.	U
10061-01-5	cis-1,3-Dichloropropene	1400.	U
79-01-6	Trichloroethene	1400.	U
124-48-1	Dibromochloromethane	1400.	U
79-00-5	1,1,2-Trichloroethane	1400.	U
71-43-2	Benzene	1400.	U
10061-02-6	trans-1,3-Dichloropropene	1400.	U
75-25-2	Bromoform	1400.	U
108-10-1	4-Methyl-2-Pentanone	1400.	U
591-78-6	2-Hexanone	1400.	U
127-18-4	Tetrachloroethene	1400.	U
79-34-5	1,1,2,2-Tetrachloroethane	1400.	U
108-88-3	Toluene	1400.	U
108-90-7	Chlorobenzene	8600.	D
100-41-4	Ethylbenzene	1400.	U
100-42-5	Styrene	1400.	U
1330-20-7	Xylenes (total)	1400.	U
156-59-2	cis-1,2-Dichloroethene	1400.	U
110-54-3	n-Hexane	1400.	U

9 1 2 7 0 0 0 1 0 2

0095

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB161618 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5563

Level: (low/med) MED Date Received: 5/29/92

% Moisture: not dec. 26. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	106-46-7	Benzene, 1,4-dichloro-	25.72	900.	J
2.	95-57-8	Phenol, 2-chloro-	26.53	5000.	J
3.	95-50-1	Benzene, 1,2-dichloro-	26.87	20000.	J
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0096

FORM I VOA-TIC 1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1DL

Sample wt/vol: 31.1 (g/mL) G Lab File ID: A3324

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 16. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 9.0 Dilution Factor: 10.00

Concentrated Extract Volume: 5.0 mL Injection Volume: 2 uL

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	58000.	ED
95-57-8	2-Chlorophenol	230000.	ED
111-44-4	bis(2-Chloroethyl) Ether	3800.	U
541-73-1	1,3-Dichlorobenzene	3800.	U
106-46-7	1,4-Dichlorobenzene	3800.	U
95-50-1	1,2-Dichlorobenzene	3100.	JD
108-60-1	bis(2-Chloroisopropyl) Ether	3800.	U
95-48-7	2-Methyl Phenol	3800.	U
67-72-1	Hexachloroethane	3800.	U
621-64-7	N-Nitrosodi-N-Propylamine	3800.	U
106-44-5	4-Methyl Phenol	3800.	U
98-95-3	Nitrobenzene	4200.	D
78-59-1	Isophorone	3800.	U
88-75-5	2-Nitrophenol	3800.	U
105-67-9	2,4-Dimethylphenol	3800.	U
111-91-1	bis(2-Chloroethoxy) Methane	3800.	U
120-83-2	2,4-Dichlorophenol	79000.	ED
120-82-1	1,2,4-Trichlorobenzene	3800.	U
91-20-3	Naphthalene	3800.	U
106-47-8	4-Chloroaniline	280000.	ED
87-68-3	Hexachlorobutadiene	3800.	U
59-50-7	4-Chloro-3-Methyl Phenol	3800.	U
91-57-6	2-Methylnaphthalene	3800.	U
77-47-4	Hexachlorocyclopentadiene	3800.	U
88-06-2	2,4,6-Trichlorophenol	14000.	D
95-95-4	2,4,5-Trichlorophenol	19000.	U
91-58-7	2-Chloronaphthalene	3800.	U
88-74-4	2-Nitroaniline	19000.	U
131-11-3	Dimethyl Phthalate	3800.	U
208-96-8	Acenaphthylene	3800.	U
606-20-2	2,6-Dinitrotoluene	3800.	U
99-09-2	3-Nitroaniline	19000.	U
83-32-9	Acenaphthene	3800.	U

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0097

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1DL

Sample wt/vol: 31.1 (g/mL) G Lab File ID: A3324

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 16. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 9.0 Dilution Factor: 10.00

Concentrated Extract Volume: 500 ml Injection Volume: 2 ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	19000.	U
132-64-9	Dibenzofuran	3800.	U
100-02-7	4-Nitrophenol	19000.	U
121-14-2	2,4-Dinitrotoluene	3800.	U
86-73-7	Fluorene	3800.	U
84-66-2	Diethyl Phthalate	3800.	U
7005-72-3	4-Chlorophenylphenyl Ether	3800.	U
100-01-6	4-Nitroaniline	9600.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	9600.	U
86-30-6	N-Nitrosodiphenylamine(1)	3800.	U
101-55-3	4-Bromophenylphenyl Ether	3800.	U
118-74-1	Hexachlorobenzene	3800.	U
87-86-5	Pentachlorophenol	9600.	U
85-01-8	Phenanthrene	3800.	U
120-12-7	Anthracene	3800.	U
84-74-2	Di-N-Butyl Phthalate	3800.	U
206-44-0	Fluoranthene	3800.	U
129-00-0	Pyrene	3800.	U
85-68-7	Butyl Benzyl Phthalate	3800.	U
91-94-1	3,3'-Dichlorobenzidine	7700.	U
56-55-3	Benzo(a)anthracene	3800.	U
218-01-9	Chrysene	3800.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	3800.	U
117-84-0	Di-N-Octyl Phthalate	3800.	U
205-99-2	Benzo(b)fluoranthene	3800.	U
207-08-9	Benzo(k)fluoranthene	3800.	U
50-32-8	Benzo(a)pyrene	3800.	U
193-39-5	Indeno(1,2,3-cd)pyrene	3800.	U
53-70-3	Dibenzo(a,h)anthracene	3800.	U
191-24-2	Benzo(ghi)Perylene	3800.	U
86-74-8	Carbazole	3800.	U

(1) - Cannot be separated from diphenylamine

0098

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28-30

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.5 G
Level: low
% Moisture: 21 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 10.5

Lab Sample ID: 7517-2
Lab File ID: A3325
Date Received: 05/30/92
Date Extracted: 06/02/92
Date Analyzed: 06/09/92
Dilution Factor: 10.0

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	3.88	2000	J
2.	Unknown	7.85	500000	J
3.	Unknown	10.35	100000	J
4.	Unknown	11.63	50000	J
5.	Unknown	12.35	10000	J
6.	Unknown	16.00	5000	J
7.	Unknown	16.15	2000	J
8.	Unknown	16.20	4000	J
9.	Unknown	16.33	900	J
10.	Unknown	18.48	400000	J
11.	Unknown	18.60	80000	J
12.	Unknown	19.87	7000	J
13.	Unknown	20.35	30000	J
14.	Unknown	20.72	40000	J
15.	Unknown	20.80	80000	J
16.	Unknown	21.72	40000	J
17.	Unknown	22.95	10000	J
18.	Unknown	23.63	7000	J
19.	Unknown	24.55	30000	J
20.	Unknown	27.82	5000	J
21.	Unknown	28.15	5000	J
22.	Unknown	28.62	20000	J
23.	Unknown	30.98	10000	J
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FORM I SV-TIC

1H

HERBICIDE ORGANICS ANALYSIS DATA SHEET

SB16128'-30'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) Soil — Lab Sample ID: 7517-2

Sample wt/vol: 35.18 (g/mL) g — Lab File ID: Fitch 55551

Moisture: 21.2 decanted: (Y/N) N — Date Received: 5-30-92

Extraction: (SepF/Cont/Sonc) Sonc — Date Extracted: 6/1/92

Concentrated Extract Volume: 5 (mL) — Date Analyzed: 6-16-92

Injection Volume: 2 (uL) — Dilution Factor: 100

GPC Cleanup: (Y/N) N pH: _____ — Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	Q
94-75-7	2,4-D	3700	J
93-72-1	2,4,5-T	6300	U

FORM I - HERB

0100

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB162830 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5562

Level: (low/med) MED Date Received: 5/29/92

% Moisture: not dec. 21. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300.	U
74-83-9	Bromomethane	1300.	U
75-01-4	Vinyl Chloride	1300.	U
75-00-3	Chloroethane	1300.	U
75-09-2	Methylene Chloride	1300.	U
67-64-1	Acetone	4400.	D
75-15-0	Carbon Disulfide	1300.	U
75-35-4	1,1-Dichloroethene	1300.	U
75-34-3	1,1-Dichloroethane	1300.	U
540-59-0	trans-1,2-Dichloroethene	1300.	U
67-66-3	Chloroform	1300.	U
107-06-2	1,2-Dichloroethane	1300.	U
78-93-3	2-Butanone	1300.	U
71-55-6	1,1,1-Trichloroethane	1300.	U
56-23-5	Carbon Tetrachloride	1300.	U
75-27-4	Bromodichloromethane	1300.	U
78-87-5	1,2-Dichloropropane	1300.	U
10061-01-5	cis-1,3-Dichloropropene	1300.	U
79-01-6	Trichloroethene	1300.	U
124-48-1	Dibromochloromethane	1300.	U
79-00-5	1,1,2-Trichloroethane	1300.	U
71-43-2	Benzene	710.	J D
10061-02-6	trans-1,3-Dichloropropene	1300.	U
75-25-2	Bromoform	1300.	U
108-10-1	4-Methyl-2-Pentanone	1000.	J D
591-78-6	2-Hexanone	1300.	U
127-18-4	Tetrachloroethene	1300.	U
79-34-5	1,1,2,2-Tetrachloroethane	1300.	U
108-88-3	Toluene	1300.	U
108-90-7	Chlorobenzene	15000.	D
100-41-4	Ethylbenzene	1300.	U
100-42-5	Styrene	1300.	U
1330-20-7	Xylenes (total)	1300.	U
156-59-2	cis-1,2-Dichloroethene	1300.	U
110-54-3	n-Hexane	1300.	U

9 6 1 2 7 0 0 1 2 0

0101

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB162830 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2DL

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A5562

Level: (low/med) MED Date Received: 5/29/92

% Moisture: not dec. 21. Date Analyzed: 6/ 1/92

Column: (pack/cap) CAP Dilution Factor: 100.00

GC Column: DB624 ID: .53mm

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	95-57-8	Phenol, 2-chloro-	26.55	1000.	J
2.	95-50-1	Benzene, 1,2-dichloro-	26.88	10000.	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28-30L

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2DL

Sample wt/vol: 32.5 (g/mL) G Lab File ID: A3323

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 21. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 10.5 Dilution Factor: 100.00

Concentrated Extract Volume: 500ml Injection Volume: 2ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	920000.	E D
95-57-8	2-Chlorophenol	1400000.	E D
111-44-4	bis(2-Chloroethyl) Ether	39000.	U
541-73-1	1,3-Dichlorobenzene	39000.	U
106-46-7	1,4-Dichlorobenzene	39000.	U
95-50-1	1,2-Dichlorobenzene	39000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	39000.	U
95-48-7	2-Methyl Phenol	39000.	U
67-72-1	Hexachloroethane	39000.	U
621-64-7	N-Nitrosodi-N-Propylamine	39000.	U
106-44-5	4-Methyl Phenol	49000.	D
98-95-3	Nitrobenzene	39000.	U
78-59-1	Isophorone	39000.	U
88-75-5	2-Nitrophenol	39000.	U
105-67-9	2,4-Dimethylphenol	39000.	U
111-91-1	bis(2-Chloroethoxy) Methane	39000.	U
120-83-2	2,4-Dichlorophenol	320000.	E D
120-82-1	1,2,4-Trichlorobenzene	39000.	U
91-20-3	Naphthalene	39000.	U
106-47-8	4-Chloroaniline	65000.	D
87-68-3	Hexachlorobutadiene	39000.	U
59-50-7	4-Chloro-3-Methyl Phenol	39000.	U
91-57-6	2-Methylnaphthalene	39000.	U
77-47-4	Hexachlorocyclopentadiene	39000.	U
88-06-2	2,4,6-Trichlorophenol	36000.	J D
95-95-4	2,4,5-Trichlorophenol	200000.	U
91-58-7	2-Chloronaphthalene	39000.	U
88-74-4	2-Nitroaniline	200000.	U
131-11-3	Dimethyl Phthalate	39000.	U
208-96-8	Acenaphthylene	39000.	U
606-20-2	2,6-Dinitrotoluene	39000.	U
99-09-2	3-Nitroaniline	200000.	U
83-32-9	Acenaphthene	39000.	U

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0103

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28-30DL

Contract: IEPA

Lab Name: ESE

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Lab Sample ID: 7517-2DL

Matrix: (soil/water) SOIL

Lab File ID: A3323

Sample wt/vol: 32.5 (g/mL) G

Date Received: 5/30/92

Level: (low/med) LOW

Date Extracted: 6/ 2/92

% Moisture: not dec. 21. dec. 0.

Date Analyzed: 6/ 9/92

Extraction: (SepF/Cont/Sonc) SONC

Dilution Factor: 100.00

GPC Cleanup: (Y/N) Y pH: 10.5

Inject Volume: 2ml

Concentrated Extract Volume: 500ml

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

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	200000.	U
132-64-9	Dibenzofuran	39000.	U
100-02-7	4-Nitrophenol	200000.	U
121-14-2	2,4-Dinitrotoluene	39000.	U
86-73-7	Fluorene	39000.	U
84-66-2	Diethyl Phthalate	39000.	U
7005-72-3	4-Chlorophenylphenyl Ether	39000.	U
100-01-6	4-Nitroaniline	98000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	98000.	U
86-30-6	N-Nitrosodiphenylamine(1)	39000.	U
101-55-3	4-Bromophenylphenyl Ether	39000.	U
118-74-1	Hexachlorobenzene	39000.	U
87-86-5	Pentachlorophenol	43000.	JD
85-01-8	Phenanthrene	39000.	U
120-12-7	Anthracene	39000.	U
84-74-2	Di-N-Butyl Phthalate	39000.	U
206-44-0	Fluoranthene	39000.	U
129-00-0	Pyrene	39000.	U
85-68-7	Butyl Benzyl Phthalate	39000.	U
91-94-1	3,3'-Dichlorobenzidine	78000.	U
56-55-3	Benzo(a)anthracene	39000.	U
218-01-9	Chrysene	39000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	39000.	U
117-84-0	Di-N-Octyl Phthalate	39000.	U
205-99-2	Benzo(b)fluoranthene	39000.	U
207-08-9	Benzo(k)fluoranthene	39000.	U
50-32-8	Benzo(a)pyrene	39000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	39000.	U
53-70-3	Dibenzo(a,h)anthracene	39000.	U
191-24-2	Benzo(ghi)Perylene	39000.	U
86-74-8	Carbazole	39000.	U

(1) - Cannot be separated from diphenylamine

0104

9 6 1 2 7 0 0 0 1 2

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28-30DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.5 G
Level: low
% Moisture: 21 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 10.5

Lab Sample ID: 7517-2 DL
Lab File ID: A3323
Date Received: 05/30/92
Date Extracted: 06/02/92
Date Analyzed: 06/09/92
Dilution Factor: 100.0

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	4.02	60000	JA
2.	Chloroaniline isomer	10.10	300000	J
3.	Chlorophenol isomer	11.45	200000	J
4.	Chloronitrobenzene isomer	11.75	40000	J
5.	Chloronitrobenzene isomer	12.05	600000	J
6.	Unknown	12.85	9000	J
7.	Unknown	15.93	3000000	J
8.	Unknown	17.95	10000	J
9.	Unknown	1[illegible].22	1000000	J
10.	Unknown	20.28	20000	J
11.	Unknown	20.67	10000	J
12.	Unknown	21.65	30000	J
13.	Unknown	22.92	9000	J
14.	Unknown	23.00	40000	J
15.	Unknown	24.52	20000	J
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FORM I SV-TIC

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/2830DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2DL

Sample wt/vol 32.5 (g/mL) G Lab File ID: F6414

Level: (low/med) ~~MED~~ Low Date Received: 5/30/92

% Moisture: not dec. 21. dec. 0. Date Extracted: 6/ 2/92

Concentrated Extract Volume 1000 ml

Extraction: (SepF/Cont/Sonc) Date Analyzed: 6/10/92

Injection Volume 2 ml

GPC Cleanup: (Y/N) N pH: 10.5 Dilution Factor: 1000.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	590000.	D
95-57-8	2-Chlorophenol	1100000.	D
111-44-4	Bis(2-Chloroethyl) ether	390000.	U
541-73-1	1,3-Dichlorobenzene	390000.	U
106-46-7	1,4-Dichlorobenzene	390000.	U
95-50-1	1,2-Dichlorobenzene	390000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	390000.	U
95-48-7	2-Methyl phenol	390000.	U
67-72-1	Hexachloroethane	390000.	U
621-64-7	N-Nitroso-di-n-propylamine	390000.	U
106-44-5	4-Methyl phenol	390000.	U
98-95-3	Nitrobenzene	390000.	U
78-59-1	Isophorone	390000.	U
88-75-5	2-Nitrophenol	390000.	U
105-67-9	2,4-Dimethylphenol	390000.	U
111-91-1	bis(2-Chloroethoxy) Methane	390000.	U
120-83-2	2,4-Dichlorophenol	390000.	U
120-82-1	1,2,4-Trichlorobenzene	390000.	U
91-20-3	Naphthalene	390000.	U
106-47-8	4-Chloroaniline	390000.	U
87-68-3	Hexachlorobutadiene	390000.	U
59-50-7	4-Chloro-3-Methyl Phenol	390000.	U
91-57-6	2-Methylnaphthalene	390000.	U
77-47-4	Hexachlorocyclopentadiene	390000.	U
88-06-2	2,4,6-Trichlorophenol	390000.	U
95-95-4	2,4,5-Trichlorophenol	980000.	U
91-58-7	2-Chloronaphthalene	390000.	U
88-74-4	2-Nitroaniline	980000.	U
131-11-3	Dimethyl Phthalate	390000.	U
208-96-8	Acenaphthylene	390000.	U
606-20-2	2,6-Dinitrotoluene	390000.	U
99-09-2	3-Nitroaniline	980000.	U
83-32-9	Acenaphthene	390000.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28 DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2DL

Sample wt/vol: 32.5 (s/mL) G Lab File ID: F6414

Level: (low/med) ~~MED~~ LOW Date Received: 5/30/92

% Moisture: not dec. 21. dec. 0. Date Extracted: 6/ 2/92

Concentrated Extract Volume 1000 ml

Extraction: (SepF/Cont/Sonc) Date Analyzed: 6/10/92

Injection Volume 2 ml

GPC Cleanup: (Y/N) N pH: 10.5 Dilution Factor: 1000.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980000.	U
132-64-9	Dibenzofuran	390000.	U
100-02-7	4-Nitrophenol	980000.	U
121-14-2	2,4-Dinitrotoluene	390000.	U
86-73-7	Fluorene	390000.	U
84-66-2	Diethyl Phthalate	390000.	U
7005-72-3	4-Chlorophenylphenyl ether	390000.	U
100-01-6	4-Nitroaniline	980000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	980000.	U
86-30-6	N-Nitrosodiphenylamine (1)	390000.	U
101-55-3	4-Bromophenylphenyl ether	390000.	U
118-74-1	Hexachlorobenzene	390000.	U
87-86-5	Pentachlorophenol	980000.	U
85-01-8	Phenanthrene	390000.	U
120-12-7	Anthracene	390000.	U
84-74-2	Di-n-butyl Phthalate	390000.	U
206-44-0	Fluoranthene	390000.	U
129-00-0	Pyrene	390000.	U
85-68-7	Butyl Benzyl Phthalate	390000.	U
91-94-1	3,3'-Dichlorobenzidine	390000.	U
56-55-3	Benzo(a)anthracene	390000.	U
218-01-9	Chrysene	390000.	U
117-81-7	bis(2-ethylhexyl) Phthalate	390000.	U
117-84-0	Di-N-octyl phthalate	390000.	U
205-99-2	Benzo(b)fluoranthene	390000.	U
207-08-9	Benzo(k)fluoranthene	390000.	U
50-32-8	Benzo(a)pyrene	390000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	390000.	U
53-70-3	Dibenz(a,h)anthracene	390000.	U
191-24-2	Benzo(g,h,i)perylene	390000.	U
86-74-8	Carbazole	390000.	U

(1) - Cannot be separated from diphenylamine

9612700126

0107

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28-30DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 32.5 G
Level: low
% Moisture: 21 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 10.5

Lab Sample ID: 7517-2 DL
Lab File ID: F6414
Date Received: 05/30/92
Date Extracted: 06/02/92
Date Analyzed: 06/10/92
Dilution Factor: 1000.0

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Chloroaniline isomer	10.48	300000	J
2.	Chloronitrobenzene isomer	12.38	700000	J
3. 90-43-7	[1,1'-Bphenyl]-2-ol	16.28	3000000	J
4. 92-69-3	[1,1'-Biphenyl]-4-ol	18.63	900000	J
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FORM I SV-TIC

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB162B30

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5589

Level: (low/med) LOW Date Received: 5/29/92

% Moisture: not dec. 21. Date Analyzed: 6/ 2/92

Column: (pack/cap) CAP Dilution Factor: 5.00

GC Column: DB624 ID: .53mm

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	541-73-1	Benzene, 1,3-dichloro-	25.38	40.	J
2.	106-46-7	Benzene, 1,4-dichloro-	25.72	500.	J
3.	- -	UNKNOWN	25.88	300.	J
4.	- -	UNKNOWN	26.53	500.	J
5.	95-50-1	Benzene, 1,2-dichloro-	26.90	4000.	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB16/28'-30'

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil Lab Sample ID: 7517-2

Sample wt/vol: 32.20 (g/mL) g Lab File ID: MONS69691

Moisture: 21.2% decanted: (Y/N) N Date Received: 05/30/92

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 06/02/92

Concentrated Extract Volume: 5 (mL) Date Analyzed: 06/04/92

Injection Volume: 2 (uL) Dilution Factor: 10

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	190	
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	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	42	U
7421-36-3	Endrin aldehyde	42	U
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2100	U
15972-60-8	Alachlor	950	
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	850	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/2B-50

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2

Sample wt/vol: 32.5 (g/mL) G Lab File ID: A3325

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 21. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 10.5 Dilution Factor: 10.00

Concentrated Extract Volume: 500ml Injection Volume: 2ml

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	20000.	U
132-64-9	Dibenzofuran	3900.	U
100-02-7	4-Nitrophenol	20000.	U
121-14-2	2,4-Dinitrotoluene	3900.	U
86-73-7	Fluorene	3900.	U
84-66-2	Diethyl Phthalate	3900.	U
7005-72-3	4-Chlorophenylphenyl Ether	3900.	U
100-01-6	4-Nitroaniline	9800.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	9800.	U
86-30-6	N-Nitrosodiphenylamine(1)	3900.	U
101-55-3	4-Bromophenylphenyl Ether	3900.	U
118-74-1	Hexachlorobenzene	3900.	U
87-86-5	Pentachlorophenol	110000.	E
85-01-8	Phenanthrene	3900.	U
120-12-7	Anthracene	3900.	U
84-74-2	Di-N-Butyl Phthalate	3900.	U
206-44-0	Fluoranthene	3900.	U
129-00-0	Pyrene	3900.	U
85-68-7	Butyl Benzyl Phthalate	3900.	U
91-94-1	3,3'-Dichlorobenzidine	7800.	U
56-55-3	Benzo(a)anthracene	3900.	U
218-01-9	Chrysene	3900.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	3900.	U
117-84-0	Di-N-Octyl Phthalate	3900.	U
205-99-2	Benzo(b)fluoranthene	3900.	U
207-08-9	Benzo(k)fluoranthene	3900.	U
50-32-8	Benzo(a)pyrene	3900.	U
193-39-5	Indeno(1,2,3-cd)pyrene	3900.	U
53-70-3	Dibenzo(a,h)anthracene	3900.	U
191-24-2	Benzo(ghi)Perylene	3900.	U
86-74-8	Carbazole	3900.	U

(1) - Cannot be separated from diphenylamine

9 6 1 2 7 0 0 0 1 1 5

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/28-30

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2

Sample wt/vol: 32.5 (g/mL) G Lab File ID: A3325

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 21. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 10.5 Dilution Factor: 10.00

Concentrated Extract Volume: 500 ml Injection Volume: 2 ul

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	680000.	E
95-57-8	2-Chlorophenol	1200000.	E
111-44-4	bis(2-Chloroethyl) Ether	3900.	U
541-73-1	1,3-Dichlorobenzene	3900.	U
106-46-7	1,4-Dichlorobenzene	3900.	U
95-50-1	1,2-Dichlorobenzene	3300.	J
108-60-1	bis(2-Chloroisopropyl) Ether	3900.	U
95-48-7	2-Methyl Phenol	3900.	U
67-72-1	Hexachloroethane	3900.	U
621-64-7	N-Nitrosodi-N-Propylamine	3900.	U
106-44-5	4-Methyl Phenol	68000.	E
98-95-3	Nitrobenzene	3900.	U
78-59-1	Isophorone	3900.	U
88-75-5	2-Nitrophenol	3900.	U
105-67-9	2,4-Dimethylphenol	5600.	
111-91-1	bis(2-Chloroethoxy) Methane	3900.	U
120-83-2	2,4-Dichlorophenol	340000.	E
120-82-1	1,2,4-Trichlorobenzene	3900.	U
91-20-3	Naphthalene	3900.	U
106-47-8	4-Chloroaniline	150000.	E
87-68-3	Hexachlorobutadiene	3900.	U
59-50-7	4-Chloro-3-Methyl Phenol	3900.	U
91-57-6	2-Methylnaphthalene	3900.	U
77-47-4	Hexachlorocyclopentadiene	3900.	U
88-06-2	2,4,6-Trichlorophenol	99000.	E
95-95-4	2,4,5-Trichlorophenol	20000.	U
91-58-7	2-Chloronaphthalene	3900.	U
88-74-4	2-Nitroaniline	20000.	U
131-11-3	Dimethyl Phthalate	3900.	U
208-96-8	Acenaphthylene	3900.	U
606-20-2	2,6-Dinitrotoluene	3900.	U
99-09-2	3-Nitroaniline	20000.	U
83-32-9	Acenaphthene	3900.	U

0112

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB162830

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-2

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A5589

Level: (low/med) LOW Date Received: 5/29/92

% Moisture: not dec. 21. Date Analyzed: 6/ 2/92

Column: (pack/cap) CAP Dilution Factor: 5.00

GC Column: DB624 ID: .53mm

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	63.	U
74-83-9	Bromomethane	63.	U
75-01-4	Vinyl Chloride	63.	U
75-00-3	Chloroethane	63.	U
75-09-2	Methylene Chloride	37.	J
67-64-1	Acetone	5000.	E
75-15-0	Carbon Disulfide	63.	U
75-35-4	1,1-Dichloroethene	63.	U
75-34-3	1,1-Dichloroethane	63.	U
540-59-0	trans-1,2-Dichloroethene	63.	U
67-66-3	Chloroform	63.	U
107-06-2	1,2-Dichloroethane	63.	U
78-93-3	2-Butanone	55.	J
71-55-6	1,1,1-Trichloroethane	63.	U
56-23-5	Carbon Tetrachloride	63.	U
75-27-4	Bromodichloromethane	63.	U
78-87-5	1,2-Dichloropropane	63.	U
10061-01-5	cis-1,3-Dichloropropene	63.	U
79-01-6	Trichloroethene	63.	U
124-48-1	Dibromochloromethane	63.	U
79-00-5	1,1,2-Trichloroethane	63.	U
71-43-2	Benzene	150.	
10061-02-6	trans-1,3-Dichloropropene	63.	U
75-25-2	Bromoform	63.	U
108-10-1	4-Methyl-2-Pentanone	100.	
591-78-6	2-Hexanone	63.	U
127-18-4	Tetrachloroethene	63.	U
79-34-5	1,1,2,2-Tetrachloroethane	63.	U
108-88-3	Toluene	100.	
108-90-7	Chlorobenzene	6700.	E
100-41-4	Ethylbenzene	63.	U
100-42-5	Styrene	63.	U
1330-20-7	Xylenes (total)	63.	U
156-59-2	cis-1,2-Dichloroethene	63.	U
110-54-3	n-Hexane	63.	U

0113

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FORM IB

INORGANIC ANALYSIS DATA SHEET
OTHER INORGANICS

LAB NAME ESE (Peoria) IEPA SAMPLE NO SB16/28'-30'

MATRIX SOIL LAB SAMPLE ID 7517-2

% SOLIDS 78.8 DATE RECEIVED 5-30-92

CONCENTRATION UNITS mg/kg dry weight

ANALYTE	CONCENTRATION	C	METHOD	Q
Cyanide	0.32	U	C	
Sulfide	13.0	U	T	N
Sulfate	3460		C	

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ENVIROFORMS/CLP 788

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB162830

Lab Name: ESE, Inc. Contract: IEPA

Lab Code: Case No.: SAS No.: SDG No.: MON196

Matrix (soil/water): SOIL Lab Sample ID: 7517-2

Level (low/med): LOW Date Received: 05/28/92

% Solids: 78.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6430			P
7440-36-0	Antimony	2.5	U	N	P
7440-38-2	Arsenic	3.9			F
7440-39-3	Barium	181			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	9630			P
7440-47-3	Chromium	10.5			P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	6.4			P
7439-89-6	Iron	15300			P
7439-92-1	Lead	6.3			F
7439-95-4	Magnesium	4780		E	P
7439-96-5	Manganese	366		N*	P
7439-97-6	Mercury	0.1	U		CV
7440-02-0	Nickel	18.1			P
7440-09-7	Potassium	1320			P
7782-49-2	Selenium	0.25	B	N	F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	12400			P
7440-28-0	Thallium	0.25	U		F
7440-62-2	Vanadium	21.8			P
7440-66-6	Zinc	35.0		N	P

Color Before: Clarity Before: Texture: 0115

Color After: Clarity After: Artifacts:

Comments:

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SB16/16'-18'DL

Lab Name: ENVIRONMENTAL SCIENCE & ENG. Contract: MONSANTO

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: (soil/water) soil

Lab Sample ID: 7517-1DL

Sample wt/vol: 32.92 (g/mL) g

Lab File ID: MONS68681

Moisture: 16.2% decanted: (Y/N) N

Date Received: 05/30/92

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 06/02/92

Concentrated Extract Volume: 5 (mL)

Data Analyzed: 06/04/92

Injection Volume: 2 (uL)

Dilution Factor: 10

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

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	20	U
319-85-7	beta-BHC	20	U
319-86-8	delta-BHC	20	U
58-89-9	gamma-BHC (Lindane)	20	U
76-44-8	Heptachlor	20	U
309-00-2	Aldrin	43	D
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	39	U
72-55-9	4,4'-DDE	270	D
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	250	D
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	200	U
53494-70-5	Endrin ketone	39	U
7421-36-3	Endrin aldehyde	39	U
5103-71-9	alpha-Chlordane	20	U
5103-74-2	gamma-Chlordane	43	D
8001-35-2	Toxaphene	2000	U
15972-60-8	Alachlor	47	D
12674-11-2	Aroclor-1016	390	U
11104-28-2	Aroclor-1221	430	U
11141-16-5	Aroclor-1232	390	U
53469-21-9	Aroclor-1242	390	U
12672-29-6	Aroclor-1248	390	U
11097-69-1	Aroclor-1254	390	U
11096-82-5	Aroclor-1260	390	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 31.1 G
Level: low
% Moisture: 16 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 9.0

Lab Sample ID: 7517-1 DL
Lab File ID: A3322
Date Received: 05/30/92
Date Extracted: 06/02/92
Date Analyzed: 06/09/92
Dilution Factor: 100.0

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	3.92	80000	JA
2.	Chloroaniline isomer	10.10	200000	J
3.	Chlorophenol isomer	11.50	100000	J
4.	Chloronitrobenzene isomer	11.77	1000000	J
5.	Chloronitrobenzene isomer	12.10	200000	J
6.	Unknown	17.20	8000	J
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FORM I SV-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18DL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1DL

Sample wt/vol: 31.1 (g/mL) G Lab File ID: A3322

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 16. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 9.0 Dilution Factor: 100.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	190000.	U
132-64-9	Dibenzofuran	38000.	U
100-02-7	4-Nitrophenol	190000.	U
121-14-2	2,4-Dinitrotoluene	38000.	U
86-73-7	Fluorene	38000.	U
84-66-2	Diethyl Phthalate	38000.	U
7005-72-3	4-Chlorophenylphenyl Ether	38000.	U
100-01-6	4-Nitroaniline	96000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	96000.	U
86-30-6	N-Nitrosodiphenylamine (1)	38000.	U
101-55-3	4-Bromophenylphenyl Ether	38000.	U
118-74-1	Hexachlorobenzene	38000.	U
87-86-5	Pentachlorophenol	96000.	U
85-01-8	Phenanthrene	38000.	U
120-12-7	Anthracene	38000.	U
84-74-2	Di-N-Butyl Phthalate	38000.	U
206-44-0	Fluoranthene	38000.	U
129-00-0	Pyrene	38000.	U
85-68-7	Butyl Benzyl Phthalate	38000.	U
91-94-1	3,3'-Dichlorobenzidine	77000.	U
56-55-3	Benzo(a)anthracene	38000.	U
218-01-9	Chrysene	38000.	U
117-81-7	bis(2-Ethylhexyl) Phthalate	38000.	U
117-84-0	Di-N-Octyl Phthalate	38000.	U
205-99-2	Benzo(b)fluoranthene	38000.	U
207-08-9	Benzo(k)fluoranthene	38000.	U
50-32-8	Benzo(a)pyrene	38000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	38000.	U
53-70-3	Dibenzo(a,h)anthracene	38000.	U
191-24-2	Benzo(ghi)Perylene	38000.	U
86-74-8	Carbazole	38000.	U

(1) - Cannot be separated from diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-1RDL

Lab Name: ESE Contract: IEPA

Lab Code: ESE Case No.: SAS No.: SDG No.: 196

Matrix: (soil/water) SOIL Lab Sample ID: 7517-1DL

Sample wt/vol: 31.1 (g/mL) G Lab File ID: A3322

Level: (low/med) LOW Date Received: 5/30/92

% Moisture: not dec. 16. dec. 0. Date Extracted: 6/ 2/92

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/92

GPC Cleanup: (Y/N) Y pH: 9.0 Dilution Factor: 100.00

Concentrated Extract Volume: 500 ml Injection Volume: 2 ml

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	44000.	D
95-57-8	2-Chlorophenol	190000.	D
111-44-4	bis(2-Chloroethyl) Ether	38000.	U
541-73-1	1,3-Dichlorobenzene	38000.	U
106-46-7	1,4-Dichlorobenzene	38000.	U
95-50-1	1,2-Dichlorobenzene	38000.	U
108-60-1	bis(2-Chloroisopropyl) Ether	38000.	U
95-48-7	2-Methyl Phenol	38000.	U
67-72-1	Hexachloroethane	38000.	U
621-64-7	N-Nitrosodi-N-Propylamine	38000.	U
106-44-5	4-Methyl Phenol	38000.	U
98-95-3	Nitrobenzene	38000.	U
78-59-1	Isophorone	38000.	U
88-75-5	2-Nitrophenol	38000.	U
105-67-9	2,4-Dimethylphenol	38000.	U
111-91-1	bis(2-Chloroethoxy) Methane	38000.	U
120-83-2	2,4-Dichlorophenol	52000.	D
120-82-1	1,2,4-Trichlorobenzene	38000.	U
91-20-3	Naphthalene	38000.	U
106-47-8	4-Chloroaniline	150000.	D
87-68-3	Hexachlorobutadiene	38000.	U
59-50-7	4-Chloro-3-Methyl Phenol	38000.	U
91-57-6	2-Methylnaphthalene	38000.	U
77-47-4	Hexachlorocyclopentadiene	38000.	U
88-06-2	2,4,6-Trichlorophenol	38000.	U
95-95-4	2,4,5-Trichlorophenol	190000.	U
91-58-7	2-Chloronaphthalene	38000.	U
88-74-4	2-Nitroaniline	190000.	U
131-11-3	Dimethyl Phthalate	38000.	U
208-96-8	Acenaphthylene	38000.	U
606-20-2	2,6-Dinitrotoluene	38000.	U
99-09-2	3-Nitroaniline	190000.	U
83-32-9	Acenaphthene	38000.	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB16/16-18DL

Lab Name: E.S.E. Contract: IEPA
Lab Code: _____ Case No.: _____ SAS No.: ____ SDG No.: 196

Matrix: Soil
Sample wt/vol: 31.1 G
Level: low
% Moisture: 16 Decanted: N
Concentrated Extract Volume: 500 uL
Injection Volume: 2 uL
GPC Cleanup: Y pH: 9.0

Lab Sample ID: 7517-1 DL
Lab File ID: A3324
Date Received: 05/30/92
Date Extracted: 06/02/92
Date Analyzed: 06/09/92
Dilution Factor: 10.0

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Aldol Condensate	3.88	80000	JA
2.	Unknown Hydrocarbon	9.65	4000	J
3.	Chloroaniline isomer	10.25	30000	J
4.	Chlorophenol isomer	11.67	20000	J
5.	Chloronitrobenzene isomer	12.32	20000	J
6.	Chloronitrobenzene isomer	12.45	5000	J
7.	Unknown	15.13	3000	J
8.	Unknown	16.28	3000	J
9. 90-43-7	[1,1-Biphenyl]-2-ol	18.20	4000	J
10.	Unknown Aromatic	18.32	4000	J
11.	Unknown	20.87	3000	J
12.	Unknown Aromatic	20.95	7000	J
13.	Unknown Hydrocarbon	21.23	4000	J
14.	Unknown	21.83	3000	J
15.7704349	Sulfur	23.48	5000	J
16.	Unknown	23.67	20000	J
17.	Unknown	24.88	9000	J
18.	Unknown	26.13	8000	J
19.	Unknown	28.17	6000	J
20.	Unknown	31.15	6000	J
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FORM I SV-TIC

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