SDMS US EPA REGION V -1

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158320

SAMPLE HOLDING TIMES AND DILUTIONS

Laboratory ILLINOIS EPA
Case Number SAUGET

04/22/91

Sample number	M	L	Rcvd	VOA Anal	VOA Hld	VOA Dil	BNA Extr	BNA Hld	BNA Anal	BNA Hld	BNA Dil	PEST Extr	PEST Hld	PEST Anal	PEST Hld	PEST Dil
G201	W	L	03/28	04/02	5											
G202	W	L	03/28	04/02	5											
G203	W	L	03/28	04/02	5											
G204	W	L	03/28	04/03	6											
G205	W	L	03/28	04/03	6											
VBLKTB	W	L	03/28	04/02	5											
X101	S	L	03/28	04/01	4											
X102	S	L	03/28	03/29	1											
X103	S	L	03/28	04/02	5	5.00										
X104	S	L	03/28	04/02	5											
X106	S	L	03/28	04/01	4											
X107	S	L	03/28	04/02	5	2.50										
X108	S	L	03/28	03/29	1											
X109	S	L	03/28	04/01	4											
X110	S	L	03/28	04/02	5											
X111	S	L	03/28	04/02	5											
X112	S	L	03/28	04/02	5											
X113	S	L	03/28	04/02	5											
X114	S	L	03/28	03/29	1											

9222260

RECEIVED
MAY 23 1991
IEPA LABORATORIES
Manager's Office

SAMPLE HOLDING TIMES AND DILUTIONS

Laboratory ILLINOIS EPA
Case Number SAUGET

Sample number	M	L	Rcvd	VOA Anal	VOA Hld	VOA Dil	BNA Extr	BNA Hld	BNA Anal	BNA Hld	BNA Dil	PEST Extr	PEST Hld	PEST Anal	PEST Hld	PEST Dil
G201	W	L	03/28				03/29	1	04/02	4						
G202	W	L	03/28				03/29	1	04/02	4						
G203	W	L	03/28				03/29	1	04/02	4						
G204	W	L	03/28				03/29	1	04/02	4						
G205	W	L	03/28				03/29	1	04/02	4						
X101	S	L	03/28				03/29	1	04/19	21	2.00					
X102	S	L	03/28				03/29	1	04/19	21	1.95					
X103	S	L	03/28				03/29	1	04/22	24	1.98					
X104	S	L	03/28				03/29	1	04/22	24	1.99					
X106	S	L	03/28				03/29	1	04/22	24	2.00					
X107	S	L	03/28				03/29	1	04/22	24	1.99					
X108	S	L	03/28				03/29	1	04/22	24	1.99					
X109	S	L	03/28				03/29	1	04/22	24	1.97					
X110	S	L	03/28				03/29	1	04/22	24	1.96					
X111	S	L	03/28				03/29	1	04/22	24	1.98					
X112	S	L	03/28				03/29	1	04/19	21	1.99					
X112RE	S	L	03/28				03/29	1	04/19	21	1.99					
X113	S	L	03/28				03/29	1	04/22	24	1.96					
X114	S	L	03/28				03/29	1	04/19	21	1.98					

9222600473

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VOLATILE CALIBRATION OUTLIERS

Lab Name: Hurley LC Case: Sunget

COMPOUND	I. Cal 3-14-91	C. Cal 3-24-91	C. Cal 4-1-91	C. Cal 4-2-91	C. Cal 4-3-91	C. Cal	C. Cal
Chloromethane							
Bromomethane							
Vinyl Chloride							
Chloroethane							
Methylene Chloride							
Acetone							
Carbon Disulfide							
1,1-Dichloroethene							
1,1-Dichloroethane							
1,2-Dichloroethene (total)							
Chloroform							
1,2-Dichloroethane							
2-Butanone	L	L		L	L		
1,1,1-Trichloroethane							
Carbon Tetrachloride							
Vinyl Acetate		H	H	H	H		
Bromodichloromethane							
1,2-Dichloropropane							
cis-1,3-Dichloropropene							
Trichloroethene							
Dibromochloromethane							
1,1,2-Trichloroethane							
Benzene							
trans-1,3-Dichloropropene							
Bromoform							
4-Methyl-2-Pentanone							
2-Hexanone							
Tetrachloroethene							
1,1,2,2-Tetrachloroethane							
Toluene							
Chlorobenzene							
Ethylbenzene							
Styrene							
Xylene (total)							
Toluene-d8					H		
Bromofluorobenzene							
1,2-Dichloroethane-d4							

9222600478

VOLATILE CALIBRATION OUTLIERS

Lab Name: Hardy Case: Sanger

B.K.

COMPOUND	I. Cal 4-1-91	C. Cal 4-2-91	C. Cal 4-3-91	C. Cal	C. Cal	C. Cal	C. Cal
Chloromethane			H				
Bromomethane							
Vinyl Chloride							
Chloroethane							
Methylene Chloride							
Acetone		H					
Carbon Disulfide							
1,1-Dichloroethene							
1,1-Dichloroethane							
1,2-Dichloroethene (total)							
Chloroform							
1,2-Dichloroethane							
2-Butanone	L	L	L				
1,1,1-Trichloroethane							
Carbon Tetrachloride							
Vinyl Acetate							
Bromodichloromethane							
1,2-Dichloropropane							
cis-1,3-Dichloropropene							
Trichloroethene							
Dibromochloromethane							
1,1,2-Trichloroethane							
Benzene							
trans-1,3-Dichloropropene							
Bromoform							
4-Methyl-2-Pentanone							
2-Hexanone							
Tetrachloroethene							
1,1,2,2-Tetrachloroethane							
Toluene							
Chlorobenzene							
Ethylbenzene							
Styrene							
Xylene (total)							
Toluene-d8							
Bromofluorobenzene							
1,2-Dichloroethane-d4							

9225000479

SEMIVOLATILE ORGANICS CALIBRATION OUTLIERS

Lab Name: Hurley Case: Saugat

COMPOUND	I. Cal 3-27-91	C. Cal 4-2-91	C. Cal 4-19-91	C. Cal 4-22-91	C. Cal 4-23-91	C. Cal	C. Cal
Phenol							
bis(2-Chloroethyl)ether							
2-Chlorophenol							
1,3-Dichlorobenzene							
1,4-Dichlorobenzene							
Benzyl alcohol							
1,2-Dichlorobenzene							
2-Methylphenol							
bis(2-Chloroisopropyl)ether			#				
4-Methylphenol							
N-Nitroso-di-n-propylamine							
Hexachloroethane							
Nitrobenzene							
Isophorone							
2-Nitrophenol							
2,4-Dimethylphenol							
Benzoic Acid							
bis(2-Chloroethoxy)methane							
2,4-Dichlorophenol							
1,2,4-Trichlorobenzene							
Naphthalene							
4-Chloroaniline			#	#	#		
Hexachlorobutadiene							
4-Chloro-3-methylphenol							
2-Methylnaphthalene							
Hexachlorocyclopentadiene			#	#	#		
2,4,6-Trichlorophenol							
2,4,5-Trichlorophenol							
2-Chloronaphthalene							
2-Nitroaniline			#				
Dimethylphthalate							
Acenaphthylene							
2,6-Dinitrotoluene							
3-Nitroaniline							
Acenaphthene							
2,4-Dinitrophenol			#	#	#		
4-Nitrophenol		#	#	#	#		

92226000480

SEMIVOLATILE ORGANICS CALIBRATION OUTLIERS

Lab Name: Hurley Case: Sangat

COMPOUND	I. Cal 5-27-91	C. Cal 4-24-91	C. Cal 4-19-91	C. Cal 4-22-91	C. Cal 4-23-91	C. Cal	C. Cal
Dibenzofuran							
2,4-Dinitrotoluene		H			H		
Diethylphthalate							
4-Chlorophenyl-phenylether							
Fluorene							
4-Nitroaniline		H	H	H	H		
4,6-Dinitro-2-methylphenol							
N-Nitrosodiphenylamine (1)							
4-Bromophenyl-phenylether			H	H	H		
Hexachlorobenzene			H	H	H		
Pentachlorophenol							
Phenanthrene							
Anthracene							
Di-n-butylphthalate							
Fluoranthene							
Pyrene							
Butylbenzylphthalate							
3,3'-Dichlorobenzidine			H				
Benzo(a)anthracene							
Chrysene							
bis(2-Ethylhexyl)phthalate							
Di-n-octylphthalate							
Benzo(b)fluoranthene							
Benzo(k)fluoranthene							
Benzo(a)pyrene							
Indeno(1,2,3-cd)pyrene			H	H	H		
Dibenz(a,h)anthracene			H	H	H		
Benzo(g,h,i)perylene			H				
Nitrobenzene-d5				H	H		
2-Fluorobiphenyl			H	H	H		
Terphenyl-d14							
Phenol-d6				H	H		
2-Fluorophenol				H	H		
2,4,6-Tribromophenol			H	H	H		

92225000481

X113 - OK
X111 - OK

Pesticides / PCB's

I Holding Times
O.K.

II. Pesticides Instrument Performance

(1)
(2) DB5 - Ind A #1 O.K.
Ind B #1 O.K.
Ind A #2 O.K.
Ind B #2 O.K.
DB-1701 Ind A #1 O.K.
Ind B #1 O.K.
Ind A #2 O.K.
Ind B #2 Aldrin out O.K.
(3) DB-5 O.K.
DB-1701 O.K.
(4) DB-5 Endrin B out O.K.
DB-1701 O.K.

II. Calibration
(1) DB-5 O.K.
DB-1701 O.K.
(2) DB-5 O.K.
DB-1701 O.K.
(3) DB-5 - Ind A #1 Aldrin 176 } Not Quant.
Endrin 293
DB-1701 - Ind A #1 Endrin & II 141.6 } Still marked ✓
4'4 DDT 217.6

MAR 28 1991 D190894 Seal # 6709

IEPA - CLP
CHAIN OF CUSTODY

Date Sealed: 3/26/91 By: AWW

Facility
Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

SAMPLE NUMBER	SAMPLE I.D	SAMPLE DATE	SAMPLE TIME
D190894	G201	3/27/91	11:25am

Site Address and Description: clear
TJM Settled
Well 26' 102 Judith LN. Next door (E.) of Wright's

Sampler Signature: Timothy J. Murphy Division/Company: IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	(Y/N)	Date	Time
5	8	40 ml		VOA - DRINKING WATER	N		
2	8	80oz		ENA	N		
2	9	80oz		PEST/PCB	N		

CHAIN OF CUSTODY RELINQUISHED

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

Print: Timothy J. Murphy Signature: Timothy J. Murphy
3/27/91 Time: 11:11am Seal #: 0006709 Intact: (Y) / N

Print: Timothy J. Murphy Signature: Timothy J. Murphy
3/27/91 Time: 11:35am Seal #: 0006710

Courier - sample delivery

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

Opened by (print): Celestine Geyston Signature:
Date: MAR 28 1991 Time: 1650 Seal #: 6710
Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

D190895
MAR 28 1991

Seal #: 6651
Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D	SAMPLE DATE	SAMPLE TIME
D190895	G202	3/27/91	11:55 A

Sample Appearance : clear/partly cloudy (iron)
Collector Comments: Schmidt well 49'
Collector Name: Timothy J. Murphy Division/Company: IEPA

	CONTAINER			ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
5	8	40 ml		VOA - DRINKING WATER	N		
2	9	8oz		BNA	N		
2	9	8oz		PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Relinquished by: Tim Murphy Signature: Timothy J. Murphy
Date: 3/27/91 Time: 11:43am Seal #: 0006651 Intact?: (Y) / N

Received by: Tim Murphy Signature: Timothy J. Murphy
Date: 3/27/91 Time: 12:05pm Seal #: 0006652

Courier - sample delivery:

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

Opened by (print): Celestine Geyston Signature: [illegible]
Date: MAR 28 1991 Time: 1630 Seal #: 6652
Lab Name: EPA Spfld Comments:

IEPA/- CLP
CHAIN OF CUSTODY

MAR 28 1991 D190896 Seal: WO-

Date Sealed: 3/26/91 By: AWW

Facility

Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190896	G203	3/27/91	10:40

Sample Appearance : rusty at first clear during purge and sample

Ballett well ≈ 20' deep

Timothy J. Murphy Division/Company IEPA

CONTAINER No	Code	Size	Pres	ANALYSIS	FILTERED (Y/N)	Date	Time
5	8	40 ml		VOA - DRINKING WATER	N		
3	9	80oz		BNA	N		
4	9	80oz		PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Tim Murphy Signature: Timothy J. Murphy
3/27/91 Time: 10:25 am Seal #: 0006653 Intact: (Y)/N

Tim Murphy Signature: Timothy J. Murphy
3/27/91 Time: 10:45am Seal #: 0006554

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the [illegible] that each bottle in the shipping container was intact. After recording the sample in the official [illegible] the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Celestine Geyston Signature: Celestine Geyston
Date: MAR 28 1991 Time: 1630 Seal #: 6654
Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190897 Seal #: 6651

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

[redacted]

SAMPLE I D	SAMPLE DATE	SAMPLE TIME
G204	3/28/91	12:10p

Sample Appearance : Clear

Collector Comments: H. E Kearby well 30'

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N	Date	Time
5	8	40 ml		VOA - DRINKING WATER	N		
2	9	8Oz		BNA	N		
2	9	8Oz		PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

I certify that I received the sample shipping container with the shipping container seals intact.

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

Date: 3/28/91 Time: 11:45A Seal #: 0006657 Intact?: (Y) / N

I certify that the sample bottles have been inventied and placed in bottles in my possession, 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): Timothy J. Murphy Signature: Timothy J. Murphy

Date: 3/28/91 Time: 12:25p Seal #: 0006658

Courier - sample pickup:

[redacted]

Opened by (print): Celestine Geysta Signature:

Date: MAR 28 1991 Time: 1030 Seal #: 6658

Lab Name: IEPA Spect

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190898 Seal #: 6701

Date Sealed: 3/26/91 By: AWW

Facility
Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

[redacted]	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G205	3/27/91	10:00 am

Sample Appearance : clear

Collection Comments: Allen well 17' may have fertilizer + malathion in sample

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
5	8	40 ml		VOA DRINKING WATER	N		
2	9	80oz		BNA	N		
2	9	80oz		PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

[illegible] sample shipping container with the shipping container sealed and intact

Sampler - Relinquished by (print): Tim Murphy Signature: Timothy J. Murphy

Date: 3/27/91 Time: 9:44am Seal #: 0006701 Intact?: (Y) / N

[illegible] sample containers and closed the bottles in the shipping container at the site and the filters [illegible]

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

Date: 3/27/91 Time: 10:10am Seal #: 0006702

Courier - sample pickup:

Courier - sample delivery: [illegible]

Certify that I received the sample [illegible] that each bottle in the shipping container [illegible] the custody of competent laboratory personnel [illegible] locked in a secure area.

Opened by (print): Celestine Geyston Signature: [illegible]

Date: MAR 28 1991 Time: 630 Seal #: 6702

Lab Name: EPA Spfd

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190899

Seal #: 6709

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190899		3/27/91	

Sample Appearance :

Collection Comments:

Sampler Signature : Division/Company

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

CHAIN OF CUSTODY CHRONICLE

[illegible] shipping container with the shipping container sealed and intact

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

Date: 3/27/91 Time: 11:10am Seal #: 0006709 Intact?: (Y) / N

[illegible] samples were collected and placed in bottles in the presence [illegible] the [illegible] and that I was at the sample shipping container at the date and time listed above.

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

Date: 3/27/91 Time: 11:35am Seal #: 0006710

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the [illegible] that each bottle in the shipping container was intact, after recording the sample in the [illegible] the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Celestine Gayton Signature: Celestine Gayton

Date: MAR 28 1991 Time: 1630 Seal #: 6710

Lab Name: EPA Spfld Comments:

IEPA CLP
CHAIN OF CUSTODY

MAR 28 1991 D190900

Seal #: 6643
Date Sealed: 3/26/91 By: RCM

Facility
Name : SAUGET SITES AREA #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06560
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
[redacted]	X101	3/28/91	1:15p

brown soil
Vernon Shepard property 25 David St. on N. side 0-6"
Timothy J. Murphy IEPA

CONTAINER No	Code	Size	Pres	ANALYSIS	FILTER (Y/N)	Date	Time
2	12	2oz		VOA	N		
1	5	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Timothy J. Murphy Signature: Timothy J. Murphy
3/28/91 Time: 7:00am Seal #: 0006643 Intact?: Y / N

Tim Murphy Signature: Timothy J. Murphy
3/28/91 Time: 1:20p Seal #: 0006644

Courier Sample Delivery:

I certify that I received the sample shipping container from the [illegible] that each bottle in the shipping container was [illegible] the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Celestine Geyston Signature: Celestine Geyston
MAR 28 1991
Date: Time: 1630 Seal #: 6644
Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991, D190901 Seal #: 6643

Date Sealed: 3/26/91 By: RRM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

[redacted]	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X102	3/28/91	1:00pm

Sample Appearance : black soil

Sample Pick-up Comments: W. Schmidt property S. side 0-6"

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER No	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N		
1	5	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

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

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

Date: 3/28/91 Time: 7:00am Seal #: 0006643 Intact?: Y / N

I certify that I sealed the sample bottles in the shipping container, that each bottle was sealed intact in the shipping container, and that I delivered the sealed shipping container to the carrier with the sealed bottles.

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

Date: 3/28/91 Time: 1:20p Seal #: 0006644

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier [illegible] that each bottle in the shipping container was intact. After recording the [illegible] the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991, Time: 1630 Seal #: 6644

Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190902 Seal #: 006643

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I D	SAMPLE DATE	SAMPLE TIME
D190902	X103	3/28/91	12:45p

Sample Appearance :

Collection Comments: NW corner Ballett yard 3300 Falling Springs Rd.

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N		
4	5	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

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

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

Date: 3/28/91 Time: 7:00am Seal #: 0006643 Intact?: (Y) / N

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

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

Date: 3/28/91 Time: 1:20p Seal #: 0006644

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping seal intact, that each bottle in the shipping container was intact, after recording the sample in the [illegible] I placed it in the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6641

Lab Name: EPA Spfld Comments:

IEPA - ICLP
CHAIN OF CUSTODY

MAR 28 1991

D190903 Seal #: 6643

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

[redacted]	SAMPLE I D	SAMPLE DATE	SAMPLE TIME
	X104	3/28/91	12:00pm

Comments: H.E Kearby property 144 St. James ON SE side

Sampler Signature: Timothy J. Murphy Division/Company IEPA

CONTAINER No	Code	Size	Pres	ANALYSIS	(Y/N)	Date	Time
2	12	2oz		VOA	N		
4	5	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Relinquished by (print): Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 7:00am Seal #: 0006643 Intact?: (Y) / N

Received by (print): Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 1:20p Seal #: 0006644

Time of sample pickup:

Courier - sample delivery

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6644 Intact?: (Y) N

Lab Name: EPA Spfd Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991 D190904 Seal #: 6643

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I D	SAMPLE DATE	SAMPLE TIME
D190904	X106	3/28/91	10:50A

Sample Appearance: 3' Water 0-1.5' Sed

Collection Comments: Dead Creek at Garage on Jerome

Sampler Signature: Timothy J. Murphy Division/Company IEPA

CONTAINER No	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N		
4	5	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Sampler Signature: Tim Murphy Signature: Timothy J. Murphy

Date: 3/28/91 Time: 7:00am Seal #: 0006643 Intact?: (Y) / N

Sampler Signature (print): Tim Murphy Signature:

Date: 3/28/91 Time: 1:20p Seal #: 0006644

Courier - sample pick up:

Courier - sample delivery

I certify that I received the sample shipping container from the courier listed above with the seal(s) intact, that each bottle in the shipping container was intact. I also recorded the sample in the official record book and kept the custody of competent laboratory personnel at all times or locked in a secured area.

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6644 Intact: (Y)

Lab Name: EPA Spfld. Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991 D190905 Seal #: Cdat3

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190905	X107	3/28/91	10:15am

Sample Appearance: 2' water 0-1.5' sed

Sampling Location Name: Dead Creek behind 3809 White St.

Sampler Signature: Timothy J. Murphy Division/Company: IEPA

CONTAINER Code	Size	Pres	ANALYSIS	FILTERED (Y/N)	Time	Tubing
	2oz		VOA	N		
	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Sampler Relinquished Custody to the Courier Named Below

Sampler: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 7:00am Seal #: 0006643 Intact? (Y) N

Courier Relinquished Custody to the Laboratory Named Below

Courier: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 1:20p Seal #: 0006644

Courier - Sample Delivery: _____

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6644 Intact?: (Y) N

Lab Name: EPA Spfld Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190906

Seal # 6643

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D	SAMPLE DATE	SAMPLE TIME
D190906	X108	3/28/91 TJM	9:50AM

Sample Reference

Collector Comments: Dead Creek at S end VFW culvert 1' deep water 1-2' Sed

Sampler Print Name: Timothy J. Murphy Division/Company: IEPA

CONTAINER Type	Cap	Size	Preservative	ANALYSIS	PRESERVATION (Y/N)	Date	Time
G	T	2oz		VOA	N		
G		32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Sampler: Tim Murphy Signature: Timothy J. Murphy

Date: 3/28/91 Time: 7:00am Seal #: 0006643 Intact?: Y / N

Seal Broken Print: Tim Murphy Signature: Timothy J. Murphy

Date: 3/28/91 Time: 1:20p Seal #: 0006644

Courier - sample delivery:

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6644 Intact?: Y / N

Lab Name: EPA Spfld. Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190907 Seal #: 6645

Date Sealed: 3/26/91 By RKM

Facility
Name : SAUGET SITES #1
Region : COLLINSVILLE
County : ST CLAIR

Site Inventory # :
Site Billing Code : SA-08880
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190907	X109	3/28/91	9:30AM

Sample Description : Dead Creek at N. end of Parks College 6" water 0-1'

Sampler : Timothy J. Murphy Division/Company : IEPA

CONTAINER Type	Size	Preservative	ANALYSIS	FILTERED (Y/N)
			VOA	N
			BNA, PEST/PCB	N

CHAIN OF CUSTODY RECORD

Relinquished by : Tim Murphy Signature : Timothy J. Murphy
Date : 3/27/91 Time : 2:50p Seal # : 0006645 Intact : Y

Relinquished by : Tim Murphy Signature : Timothy J. Murphy
Date : 3/28/91 Time : 12:30p Seal # : 0006646

Courier - sample delivery: _____

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact?: Y / N

Lab Name: EPA Spfld Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991 D190908 Seal # 6645

Date Sealed: 3/26/91 By RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190908	X110	3/28/91	9:05am

Sample Appearance: 4" water 0-1' sed

Sampling Location: Dead Creek at Parks College culvert N. end

Sampling Personnel: Timothy J. Murphy Division/Company: IEPA

CONTAINER			ANALYSIS	FILTERED
Qty	Type	Size	Preser		CY/N
2	Jar	2oz	VOA	N
2	Jar	32oz	BNA, PEST/PCB	N

CHAIN OF CUSTODY CHANGE

Relinquished by: Tim Murphy Signature: Timothy J. Murphy
Date: 3/27/91 Time: 2:50pm Seal #: 0006645 Intact? Y / N

Received by: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 12:30p Seal #: 0006646

Courier - sample delivery: _____

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact? Y / N

Lab Name: EPA Spfld Comments: _____

A - CLP
CHAIN OF CUSTODY

MAR 28 1991 D190909 Seal #: 6645
Date Sealed: 3/26/91 By: RKM

Facility
Name: SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory #:
Site Billing Code: SA-06660
Project Manager: TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190909	X111	3/27/91	5:30pm

Sample Appearance: brown silt to sand at depth 1'

Sampling Location: Dead Creek at Wetlands Near N' corner power line pole 1' water 0-1.5 depth Sed.

Sampler Signature: Timothy J. Murphy Division/Company: IEPA

CONTAINER			ANALYSIS	PRESERVE
Number	Type	Size	Preser		Y/N	Date	Time
		2x2		VOA	N		
		32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHANGE

Relinquished by: Tim Murphy Signature: Timothy J. Murphy
Date: 3/27/91 Time: 2:50pm Seal #: 0006645 Intact: Y / N

Relinquished by: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 12:30p Seal #: 0006646

Courier - sample delivery: _____

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston
Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact? Y / N
Lab Name: EPA Spfd. Comments: _____

EPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190910

Seal #: 6645

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190910	X112	3/27/91	4:40 P

Sample Appearance: fine grain gray brown silty clay ~~area around or grid tested~~ ~~and~~ 7 on HNU
Sample Comments: 2' water 0-1.5 into sed. 200' upstream of entrance of Dead Creek to Old Prairie du Pont Creek
Sampled by: Timothy J. Murphy Division/Company: IEPA

CONTAINER No.	Type	Size	Preservative	ANALYSIS	FILTERED Y/N	Date	Time
1	G	2oz		VOA	N		
1	G	8oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

Tim Murphy Signature: Timothy J. Murphy
Date: 3/27/91 Time: 2:50pm Seal #: 0006645 Intact?: Y / N

Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 12:30p Seal #: 0006646

Courier - sample delivery: _____

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

Opened by (print): Celestine Grayston Signature: Celestine Grayston

Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact?: Y / N

Lab Name: EPA Spfld. Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991

D190911

Seal #: 6645
Date Sealed: 3/26/91 By: RKM

Facility
Name: SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06550
Project Manager: TIM MURPHY

LABORATORY
D190911

SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
X113	3/27/91	4:25

Sample Added Since: 1.5' deep water 0-½' soft brown, 0-2.5' into sediment 7on th, -2' black sludgy

Comments: entrance of Dead Creek to Old Prairie du Pont Creek

Sampler Signature: Timothy J. Murphy Division/Company: IEPA

CONTAINER				ANALYSIS	PRESERVED (Y/N)	TIME
		8oz		VOA	N	
		32oz		ENA, PEST/PCB	N	

CHAIN OF CUSTODY CHRONICLE

Date: Time: Tim Murphy Signature: Timothy J. Murphy
Date: 3/27/91 Time: 2:50 pm Seal #: 0006645 Intact: O

Date: Time: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 12:30p Seal #: 0006646

Courier - sample delivery: _____

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston
Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact?: (Y) / N
Lab Name: EPA Spfld Comments: _____

..A - CLP
CHAIN OF CUSTODY

D190912 Seal #: 6645

MAR 28 1991 Date Sealed: 3/26/91 By RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06550
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190912	X114	3/27/91	3:45pm

Sample Appearance : clay Silt

Collection Site Name 3' water in old Prairie du Pont Creek

Sampler Signature Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERED		
	Type	Size	Preser.		(Y/N)	Date	Time
		2oz		VOA	N		
		32oz		ENA, PEST/PCB	N		

CHAIN OF CUSTODY RECEIVED

Sampler Name Tim Murphy Signature Timothy J. Murphy

Date 3/27/91 Time 2:50pm (TJM) Seal #: 0006645 Intact? Y / N

Sampler Name Tim Murphy Signature Timothy J. Murphy

Date 3/28/91 Time 12:30p Seal #: 0006646

Courier - sample delivery: _____

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

Opened by (print): Celestine Geyston Signature: Celestine Geyston

Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact? Y / N

Lab Name: EPA Sppld. Comments: _____

Seal #: 6645

Date Sealed: 3/26/91 By: RKM

Name: BERGER SITES AREA #1

Site Inventory #:

Region: WILMINGTON

Site Billing Code: SAMPLES

Project Manager: TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X115	3/27/91	

Sample Appearance :

Timothy J. Murphy IEPA

No Sample

Tim Murphy		Timothy J. Murphy	
3/27/91	2:50pm	0006645	0
Tim Murphy		Timothy J. Murphy	
3/28/91		0006646	

Courier - Sample Delivery:

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

Opened by (print): No Sample Signature: Celestine Gupton

Date: Time: Received Seal #: Intact?: Y / N

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal # 6645

Date Sealed: 3/26/91 By: RKM

Facility
Name : SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory # :
Site Billing Code: SA-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME

Sample Observations

Division/Company

CONTAINER	ANALYSIS	
Size	VOA	
Type	BNA, PEST/PCB	

Tim Murphy
3/27/91 2:50 pm

Timothy J. Murphy
Seal #: 0006645 Intact: Y

Tim Murphy
3/28/91

Timothy J. Murphy
Seal #: 0006646

Courier - sample delivery: _____

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

Opened by (print): No Sample Received Signature: Celestino Lupton

Date: _____ Time: _____ Seal #: _____ Intact?: Y / N

Lab Name: _____ Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6643

Date Sealed: 3/26/91 By: RKM

Facility
Name: SAUGET SITES #1
Region: COLLINSVILLE
County: ST CLAIR

Site Inventory #:
Site Billing Code: SA-06880
Project Manager: TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X105	3/28/91	11:15A

Sample Appearance:

Sampling Location: Dead Creek at Kinder (N. of)

Sampler Signature: Timothy J. Murphy Division/Company: IEPA

CONTAINER				ANALYSIS	FILTERED		
No.	Type	Size	Preg		(Y/N)	Date	Time
		40z		VOA	N		
		8oz		BNA, PEST/PCB	N		

NO SAMPLE

CHAIN OF CUSTODY CHRONICLE

Sampler: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: 700am Seal #: 0006643 Intact: Y / N

Sampler: Tim Murphy Signature: Timothy J. Murphy
Date: 3/28/91 Time: Seal #: 0006644

Courier - sample delivery:

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

Opened by (print): NO Sample Received Signature: Celestine Heyton

Date: _____ Time: _____ Seal #: _____ Intact?: Y / N

Lab Name: _____ Comments: _____

CASE NARRATIVE : SAUGET SITES AREA #1

RECEIVED : 03/27/91

SAMPLE I.D.	IEPA SAMPLE NUMBERS
G201	D190894
G202	D190895
G203	D190896
G204	D190897
G205	D190898
VBLKTB	D190899
X101	D190900
X102	D190901
X103	D190902
X104	D190903
X106	D190904
X107	D190905
X108	D190906
X109	D190907
X110	D190908
X111	D190909
X112	D190910
X113	D190911
X114	D190912

RECEIVED
MAY 23 1991
IEPA LABORATORIES
Manager's Office

Volatile data :

Toluene was out of the instrument calibration range for the low run on [illegible] but below the detection limit for the medium run. GC

Semivolatile data :

Two TIC compound names in S205 were too long for the form. See the raw data for the complete names. GC

Pesticide data :

Both pesticides and overlapping PCBs were detected in some samples. PCBs were calculated on the basis of peaks relatively unique that PCB, and pesticides were calculated after the height due to aroclors was subtracted. CMC

J. Hurley
Laboratory Manager

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	~~UR~~ R
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.10	13	BAJ
2.	UNKNOWN	8.55	5.3	BJ
3.	UNKNOWN	9.20	1.1	J
4.	UNKNOWN	9.82	1.4	J
5.	UNKNOWN ALIP. KETONE	10.19	2.0	BAJ

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G201

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): Water Lab Sample ID: D190894

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

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. --- dec. --- Date Extracted: 03-29-1991

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) N pH: 7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5106-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	~~UR~~
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG01

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG01

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG01

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.08	5.5	BAJ
2.	UNKNOWN	8.52	5.2	BJ
3.	UNKNOWN	9.19	1.4	J
4.	UNKNOWN	9.80	5.9	J
5.	UNKNOWN ALIP. KETONE	10.17	1.9	BAJ

FORM I PEST 1/87 Rev.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G202

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): Water Lab Sample ID: D190895

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

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. --- dec. --- Date Extracted: 03-29-1991

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) N pH: 7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5106-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	9	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	~~UR~~
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.07	8.2	BAJ
2.	UNKNOWN	8.52	4.1	BJ
3.	UNKNOWN	9.17	1.3	J
4.	UNKNOWN	9.80	2.2	BAJ
5.	UNKNOWN ALIP. KETONE	10.17	1.7	J
6.	UNKNOWN ALIP. ACID	10.24	1.2	J
7.	UNKNOWN	12.69	0.47	J
8.	UNKNOWN	15.45	0.74	J
9.	UNKNOWN	31.36	0.39	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G203

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): Water Lab Sample ID: D190896

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

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. --- dec. --- Date Extracted: 03-29-1991

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) N pH: 7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5106-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	~~UR~~ B8
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.10	6.7	BAJ
2.	UNKNOWN	8.55	5.4	BJ
3.	UNKNOWN	9.20	0.98	J
4.	UNKNOWN ALIP. KETONE	10.19	1.3	BAJ
5.	UNKNOWN	12.07	0.27	J
6.	UNKNOWN	29.07	0.62	J

FORM I PEST 1/87 Rev.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G204

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): Water Lab Sample ID: D190897

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

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. --- dec. --- Date Extracted: 03-29-1991

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) N pH: 7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5106-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	~~U~~R BS
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

COPY

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.08	14	BAJ
2.	UNKNOWN	8.54	3.2	BJ
3.	UNKNOWN	9.20	0.61	J
4.	UNKNOWN ALIP. KETONE	10.19	1.6	BAJ
5.	UNKNOWN	11.17	0.77	J
6.	UNKNOWN	12.05	1.8	J
7.	UNKNOWN	12.40	2.0	J
8.	TRIMETHYL ESTER PHOSPHOROTHI	13.40	2.6	J
9.	TRIMETHYL ESTER PHOSPHORODIT	14.74	16	J
10.	UNKNOWN	16.47	0.64	J
11.	UNKNOWN	17.72	0.91	J
12.	UNKNOWN ALIP. HYDROCARBON	18.00	0.85	J
13.	UNKNOWN	18.19	0.45	J
14.	UNKNOWN ALIP. HYDROCARBON	19.37	0.68	J
15.	UNKNOWN ALIP. HYDROCARBON	25.21	0.88	J
16.	UNKNOWN	25.61	0.41	J
17.	UNKNOWN	25.72	3.2	J
18.	UNKNOWN ALIP. HYDROCARBON	25.99	0.79	J
19.	UNKNOWN ALIP. HYDROCARBON	26.54	1.0	J
20.	UNKNOWN	31.37	0.41	J

FORM I PEST 1/87 Rev.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G205

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): Water Lab Sample ID: D190898

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

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. --- dec. --- Date Extracted: 03-29-1991

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) N pH: 5 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.07	J
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	3.76	
5106-74-2	gamma-Chlordane	5.02	
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190900

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 16 Date Analyzed: 04/01/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	~~UR~~
71-55-6	1,1,1-Trichloroethane	5	J
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	5	J
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190900

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 16 Date Analyzed: 04/01/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X101

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: APR19VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	790	UJ
111-44-4	bis(2-Chloroethyl)Ether	790	UJ
95-57-8	2-Chlorophenol	790	UJ
541-73-1	1,3-Dichlorobenzene	790	UJ
106-46-7	1,4-Dichlorobenzene	790	UJ
100-51-6	Benzyl Alcohol	790	UJ
95-50-1	1,2-Dichlorobenzene	790	UJ
95-48-7	2-Methylphenol	790	UJ
39638-32-9	bis(2-Chloroisopropyl)Ether	790	UJ
106-44-5	4-Methylphenol	790	UJ
621-64-7	N-Nitroso-Di-n-Propylamine	790	UJ
67-72-1	Hexachloroethane	790	UJ
98-95-3	Nitrobenzene	790	UJ
78-59-1	Isophorone	790	UJ
88-75-5	2-Nitrophenol	790	UJ
105-67-9	2,4-Dimethylphenol	790	UJ
65-85-0	Benzoic Acid	3800	UJ
111-91-1	bis(2-Chloroethoxy)Methane	790	UJ
120-83-2	2,4-Dichlorophenol	790	UJ
120-82-1	1,2,4-Trichlorobenzene	790	UJ
91-20-3	Naphthalene	790	UJ
106-47-8	4-Chloroaniline	790	UJ
87-68-3	Hexachlorobutadiene	790	UJ
59-50-7	4-Chloro-3-Methylphenol	790	UJ
91-57-6	2-Methylnaphthalene	790	UJ
77-47-4	Hexachlorocyclopentadiene	790	UJ
88-06-2	2,4,6-Trichlorophenol	790	UJ
95-95-4	2,4,5-Trichlorophenol	3800	UJ
91-58-7	2-Chloronaphthalene	790	UJ
88-74-4	2-Nitroaniline	3800	UJ
131-11-3	Dimethyl Phthalate	790	UJ
208-96-8	Acenaphthylene	790	UJ
606-20-2	2,6-Dinitrotoluene	790	UJ

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: [illegible]

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.0 (g/mL) G Lab File ID: SPR19V603

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 16 dec. _____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/15/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
[illegible]	3-Nitroaniline	3800	UJ
[illegible]	Acenaphthene	[illegible]	UJ
[illegible]	2,4-Dinitrophenol	3800	UJ
[illegible]	4-Nitrophenol	3800	UJ
[illegible]	Dibenzofuran	790	UJ
[illegible]	2,4-Dinitrotoluene	790	UJ
[illegible]	Diethylphthalate	790	UJ
[illegible]	4-Chlorophenyl-phenylether	790	UJ
[illegible]	Fluorene	790	UJ
[illegible]	4-Nitroaniline	3800	UJ
[illegible]	4,6-Dinitro-2-Methylphenol	3800	UJ
[illegible]	N-Nitrosodiphenylamine (1)	790	UJ
[illegible]	4-Bromophenyl-phenylether	790	UJ
118-74-1	Hexachlorobenzene	790	UJ
[illegible]	Pentachlorophenol	3800	UJ
[illegible]	Phenanthrene	790	UJ
120-12-7	Anthracene	790	UJ
84-74-2	Di-n-Butylphthalate	790	UJ
206-44-0	Fluoranthene	790	UJ
129-00-0	Pyrene	790	UJ
85-68-7	Butylbenzylphthalate	790	UJ
91-94-1	3,3'-Dichlorobenzidine	1600	UJ
56-55-3	Benzo(a)Anthracene	790	UJ
218-01-9	Chrysene	790	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	790	UJ
117-84-0	Di-n-Octyl Phthalate	790	UJ
205-99-2	Benzo(b)Fluoranthene	790	UJ
207-08-9	Benzo(k)Fluoranthene	790	UJ
50-32-8	Benzo(a)Pyrene	790	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	790	UJ
53-70-3	Dibenz(a,h)Anthracene	790	UJ
191-24-2	Benzo(g,h,i)Perylene	790	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE No.

(101

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: 013039

Matrix: (soil/water) SOIL Lab Sample ID: D130900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: APR13VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/13/91

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

Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.57	27	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.15	2400	BAJ
3.	UNKNOWN	9.57	36	BJ
4.	TETRACHLORO ETHANE	9.80	27	BJ
5.	UNKNOWN	10.19	57	BJ
6.	UNKNOWN	10.59	21	J
7.	UNKNOWN	11.24	32	BJ
8.	UNKNOWN	11.42	35	BJ
9.	UNKNOWN	11.69	260	BJ
10.	UNKNOWN	12.15	37	BJ
11.	UNKNOWN	12.47	51	J
12.	UNKNOWN ALIP. HYDROCARBON	30.47	20	J
13.	UNKNOWN ALIP. HYDROCARBON	33.72	25	J
14.	UNKNOWN ALIP. HYDROCARBON	38.66	32	J

1D 0

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X101

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190900

Sample wt/vol: 30.400 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 0.0 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	81	
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	38	U
72-20-8	Endrin	38	U
33213-65-9	Endosulfan II	38	U
72-54-8	4,4'-DDD	38	U
1031-07-8	Endosulfan sulfate	38	U
50-29-3	4,4'-DDT	38	U
72-43-5	Methoxychlor	192	U
53494-70-5	Endrin ketone	38	U
5103-71-9	alpha-Chlordane	821	
5106-74-2	gamma-Chlordane	706	
8001-35-2	Toxaphene	384	U
12674-11-2	Arochlor-1016	192	U
11104-28-2	Aroclor-1221	192	U
11141-16-5	Aroclor-1232	192	U
53469-21-9	Aroclor-1242	192	U
12672-29-6	Aroclor-1248	192	U
11097-69-1	Aroclor-1254	384	U
11096-82-5	Aroclor-1260	384	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC09

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 18 Date Analyzed: 03/29/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	~~U~~ R B
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC09

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 18 Date Analyzed: 03/29/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: GAUGET SAS No.: _____ SDG No.: D150[illegible]

Matrix: (soil/water) SOIL Lab Sample ID: D150[illegible]

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19V304

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 18 dec. _____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/15/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	780	UJ
111-44-4	bis(2-Chloroethyl)Ether	780	UJ
95-57-8	2-Chlorophenol	780	UJ
541-73-1	1,3-Dichlorobenzene	780	UJ
106-46-7	1,4-Dichlorobenzene	780	UJ
100-51-6	Benzyl Alcohol	780	UJ
95-50-1	1,2-Dichlorobenzene	780	UJ
95-48-7	2-Methylphenol	780	UJ
39638-32-9	bis(2-Chloroisopropyl)Ether	780	UJ
106-44-5	4-Methylphenol	780	UJ
621-64-7	N-Nitroso-Di-n-Propylamine	780	UJ
67-72-1	Hexachloroethane	780	UJ
98-95-3	Nitrobenzene	780	UJ
78-59-1	Isophorone	780	UJ
88-75-5	2-Nitrophenol	780	UJ
105-67-9	2,4-Dimethylphenol	780	UJ
65-85-0	Benzoic Acid	3800	UJ
111-91-1	bis(2-Chloroethoxy)Methane	780	UJ
120-83-2	2,4-Dichlorophenol	780	UJ
120-82-1	1,2,4-Trichlorobenzene	780	UJ
91-20-3	Naphthalene	780	UJ
106-47-8	4-Chloroaniline	780	UJ
87-68-3	Hexachlorobutadiene	780	UJ
59-50-7	4-Chloro-3-Methylphenol	780	UJ
91-57-6	2-Methylnaphthalene	780	UJ
77-47-4	Hexachlorocyclopentadiene	780	UJ
88-06-2	2,4,6-Trichlorophenol	780	UJ
95-95-4	2,4,5-Trichlorophenol	3800	UJ
91-58-7	2-Chloronaphthalene	780	UJ
88-74-4	2-Nitroaniline	3800	UJ
131-11-3	Dimethyl Phthalate	780	UJ
208-96-8	Acenaphthylene	780	UJ
606-20-2	2,6-Dinitrotoluene	780	UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 30.8 (g/mL) G Lab File ID: APR19VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 18 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3800	UJ
83-32-9	Acenaphthene	780	UJ
51-28-5	2,4-Dinitrophenol	3800	UJ
100-02-7	4-Nitrophenol	3800	UJ
132-64-9	Dibenzofuran	780	UJ
121-14-2	2,4-Dinitrotoluene	780	UJ
84-66-2	Diethylphthalate	780	UJ
7005-72-3	4-Chlorophenyl-phenylether	780	UJ
86-73-7	Fluorene	780	UJ
100-10-6	4-Nitroaniline	3800	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	3800	UJ
86-30-6	N-Nitrosodiphenylamine (1)	780	UJ
101-55-3	4-Bromophenyl-phenylether	780	UJ
118-74-1	Hexachlorobenzene	780	UJ
87-86-5	Pentachlorophenol	3800	UJ
85-01-8	Phenanthrene	780	UJ
120-12-7	Anthracene	780	UJ
84-74-2	Di-n-Butylphthalate	780	UJ
206-44-0	Fluoranthene	780	UJ
129-00-0	Pyrene	780	UJ
85-68-7	Butylbenzylphthalate	780	UJ
91-94-1	3,3'-Dichlorobenzidine	1600	UJ
56-55-3	Benzo(a)Anthracene	780	UJ
218-01-9	Chrysene	780	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	780	UJ
117-84-0	Di-n-Octyl Phthalate	780	UJ
205-99-2	Benzo(b)Fluoranthene	780	UJ
207-08-9	Benzo(k)Fluoranthene	780	UJ
50-32-8	Benzo(a)Pyrene	780	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	780	UJ
53-70-3	Dibenz(a,h)Anthracene	780	UJ
191-24-2	Benzo(g,h,i)Perylene	780	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

>100

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: 219069

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 30.8 (g/mL) G Lab File ID: APR19VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 18 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.35	37	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.13	3000	BAJ
3.	UNKNOWN	8.55	87	BJ
4.	UNKNOWN	9.70	40	BJ
5.	UNKNOWN	9.77	37	J
6.	UNKNOWN	10.19	51	J
7.	UNKNOWN	10.44	56	BJ
8.	UNKNOWN	10.55	29	J
9.	UNKNOWN	11.22	55	BJ
10.	UNKNOWN	11.40	76	BJ
11.	UNKNOWN	11.65	290	BJ
12.	UNKNOWN	12.04	72	BJ
13.	UNKNOWN	12.14	97	BJ
14.	UNKNOWN	12.45	58	J
15.	UNKNOWN	12.64	56	J
16.	UNKNOWN PHTHALATE	24.00	65	J
17.	UNKNOWN	24.97	29	J
18.	UNKNOWN ALIP. HYDROCARBON	30.44	27	J
19.	UNKNOWN ALIP. HYDROCARBON	38.62	49	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X102

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): SOIL Lab Sample ID: D190901

Sample wt/vol: 30.100 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 18.6 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

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	20	U
1024-57-3	Heptachlor epoxide	20	U
959-98-8	Endosulfan I	20	U
60-57-1	Dieldrin	20	U
72-55-9	4,4'-DDE	4	J
72-20-8	Endrin	39	U
33213-65-9	Endosulfan II	39	U
72-54-8	4,4'-DDD	39	U
1031-07-8	Endosulfan sulfate	39	U
50-29-3	4,4'-DDT	39	U
72-43-5	Methoxychlor	197	U
53494-70-5	Endrin ketone	39	U
5103-71-9	alpha-Chlordane	197	U
5106-74-2	gamma-Chlordane	197	U
8001-35-2	Toxaphene	393	U
12674-11-2	Arochlor-1016	197	U
11104-28-2	Aroclor-1221	197	U
11141-16-5	Aroclor-1232	197	U
53469-21-9	Aroclor-1242	197	U
12672-29-6	Aroclor-1248	197	U
11097-69-1	Aroclor-1254	393	U
11096-82-5	Aroclor-1260	393	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 1.0 (g/mL) G Lab File ID: B0402LC09

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	66	U
74-83-9	Bromomethane	66	U
75-01-4	Vinyl Chloride	66	U
75-00-3	Chloroethane	66	U
75-09-2	Methylene Chloride	33	U
67-64-1	Acetone	3500	E
75-15-0	Carbon Disulfide	33	U
75-35-4	1,1-Dichloroethene	33	U
75-34-3	1,1-Dichloroethane	33	U
540-59-0	1,2-Dichloroethene (total)	33	U
67-66-3	Chloroform	33	U
107-06-2	1,2-Dichloroethane	33	U
78-93-3	2-Butanone	390	R
71-55-6	1,1,1-Trichloroethane	33	U
56-23-5	Carbon Tetrachloride	33	U
108-05-4	Vinyl Acetate	66	U
75-27-4	Bromodichloromethane	33	U
78-87-5	1,2-Dichloropropane	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
79-01-6	Trichloroethene	33	U
124-48-1	Dibromochloromethane	33	U
79-00-5	1,1,2-Trichloroethane	33	U
71-43-2	Benzene	33	U
10061-02-6	trans-1,3-Dichloropropene	33	U
75-25-2	Bromoform	33	U
108-10-1	4-Methyl-2-Pentanone	66	U
591-78-6	2-Hexanone	66	U
127-18-4	Tetrachloroethene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
108-88-3	Toluene	33	U
108-90-7	Chlorobenzene	33	U
100-41-4	Ethylbenzene	33	U
100-42-5	Styrene	33	U
1330-20-7	Xylene (total)	33	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 1.0 (g/mL) G Lab File ID: B0402LC09

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOW	7.17	18	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103DL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190902DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0403LC04

Level: (low/med) MED Date Received: 03/28/91

% Moisture: not dec. 24 Date Analyzed: 04/03/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1600	U
74-83-9	Bromomethane	1600	U
75-01-4	Vinyl Chloride	1600	U
75-00-3	Chloroethane	1600	U
75-09-2	Methylene Chloride	820	U
67-64-1	Acetone	1600	DJ
75-15-0	Carbon Disulfide	820	U
75-35-4	1,1-Dichloroethene	820	U
75-34-3	1,1-Dichloroethane	820	U
540-59-0	1,2-Dichloroethene (total)	820	U
67-66-3	Chloroform	820	U
107-06-2	1,2-Dichloroethane	820	U
78-93-3	2-Butanone	1600	U
71-55-6	1,1,1-Trichloroethane	820	U
56-23-5	Carbon Tetrachloride	820	U
108-05-4	Vinyl Acetate	1600	U
75-27-4	Bromodichloromethane	820	U
78-87-5	1,2-Dichloropropane	820	U
10061-01-5	cis-1,3-Dichloropropene	820	U
79-01-6	Trichloroethene	820	U
124-48-1	Dibromochloromethane	820	U
79-00-5	1,1,2-Trichloroethane	820	U
71-43-2	Benzene	820	U
10061-02-6	trans-1,3-Dichloropropene	820	U
75-25-2	Bromoform	820	U
108-10-1	4-Methyl-2-Pentanone	1600	U
591-78-6	2-Hexanone	1600	U
127-18-4	Tetrachloroethene	820	U
79-34-5	1,1,2,2-Tetrachloroethane	820	U
108-88-3	Toluene	820	U
108-90-7	Chlorobenzene	820	U
100-41-4	Ethylbenzene	820	U
100-42-5	Styrene	820	U
1330-20-7	Xylene (total)	820	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103DL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190902DL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0403LC04

Level: (low/med) MED Date Received: 03/28/91

% Moisture: not dec. 24 Date Analyzed: 04/03/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22GK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	860	U
111-44-4	bis(2-Chloroethyl)Ether	860	U
95-57-8	2-Chlorophenol	860	U
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
100-51-6	Benzyl Alcohol	860	U
95-50-1	1,2-Dichlorobenzene	860	U
95-48-7	2-Methylphenol	860	U
39638-32-9	bis(2-Chloroisopropyl)Ether	860	U
106-44-5	4-Methylphenol	270	J
621-64-7	N-Nitroso-Di-n-Propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
65-85-0	Benzoic Acid	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
120-82-1	1,2,4-Trichlorobenzene	860	U
91-20-3	Naphthalene	860	U
106-47-8	4-Chloroaniline	860	U
87-68-3	Hexachlorobutadiene	860	U
59-50-7	4-Chloro-3-Methylphenol	860	U
91-57-6	2-Methylnaphthalene	860	U
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	860	U
208-96-8	Acenaphthylene	860	U
606-20-2	2,6-Dinitrotoluene	860	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22GK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	540	J
129-00-0	Pyrene	450	J
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	230	J
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22GK05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.13	2000	BAJ
2.	UNKNOWN	8.57	49	BJ
3.	TETRACHLORO ETHANE	9.79	28	BJ
4.	UNKNOWN	10.20	62	J
5.	UNKNOWN	11.22	32	BJ
6.	UNKNOWN	11.67	210	BJ
7.	UNKNOWN	12.15	38	BJ
8.	UNKNOWN ALIP. HYDROCARBON	12.64	46	J
9.	UNKNOWN ALIP. ACID	15.72	29	J
10.	DIHYDRO-METHYL-INDOLE	19.24	43	J
11.	UNKNOWN ALIP. HYDROCARBON	19.39	37	J
12.	UNKNOWN ALIP. HYDROCARBON	21.99	32	J
13.	UNKNOWN	23.30	72	J
14.	UNKNOWN PHTHALATE	24.00	49	J
15.	UNKNOWN	24.64	100	J
16.	UNKNOWN	24.80	220	J
17.	UNKNOWN	25.09	28	J
18.	UNKNOWN	26.71	170	J
19.	UNKNOWN	28.16	37	J
20.	UNKNOWN ALIP. HYDROCARBON	30.47	26	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X103

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): SOIL Lab Sample ID: D190902

Sample wt/vol: 31.060 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 18.6 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	32	J
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	13	J
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	31	J
53494-70-5	Endrin ketone	42	U
5103-71-9	alpha-Chlordane	211	U
5106-74-2	gamma-Chlordane	211	U
8001-35-2	Toxaphene	422	U
12674-11-2	Arochlor-1016	211	U
11104-28-2	Aroclor-1221	211	U
11141-16-5	Aroclor-1232	211	U
53469-21-9	Aroclor-1242	211	U
12672-29-6	Aroclor-1248	211	U
11097-69-1	Aroclor-1254	422	U
11096-82-5	Aroclor-1260	422	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC11

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 13 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	3	JR
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	11	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC11

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 13 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.2 (g/mL) G Lab File ID: SP522G.04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	750	U
111-44-4	bis(2-Chloroethyl)Ether	750	U
95-57-8	2-Chlorophenol	750	U
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
100-51-6	Benzyl Alcohol	750	U
95-50-1	1,2-Dichlorobenzene	750	U
95-48-7	2-Methylphenol	750	U
39638-32-9	bis(2-Chloroisopropyl)Ether	750	U
106-44-5	4-Methylphenol	750	U
621-64-7	N-Nitroso-Di-n-Propylamine	750	U
67-72-1	Hexachloroethane	750	U
98-95-3	Nitrobenzene	750	U
78-59-1	Isophorone	750	U
88-75-5	2-Nitrophenol	750	U
105-67-9	2,4-Dimethylphenol	750	U
65-85-0	Benzoic Acid	3700	U
111-91-1	bis(2-Chloroethoxy)Methane	750	U
120-83-2	2,4-Dichlorophenol	750	U
120-82-1	1,2,4-Trichlorobenzene	750	U
91-20-3	Naphthalene	750	U
106-47-8	4-Chloroaniline	750	U
87-68-3	Hexachlorobutadiene	750	U
59-50-7	4-Chloro-3-Methylphenol	750	U
91-57-6	2-Methylnaphthalene	750	U
77-47-4	Hexachlorocyclopentadiene	750	U
88-06-2	2,4,6-Trichlorophenol	750	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	750	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethyl Phthalate	750	U
208-96-8	Acenaphthylene	750	U
606-20-2	2,6-Dinitrotoluene	750	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR22GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	750	U
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	750	U
121-14-2	2,4-Dinitrotoluene	750	U
84-66-2	Diethylphthalate	750	U
7005-72-3	4-Chlorophenyl-phenylether	750	U
86-73-7	Fluorene	750	U
100-10-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-Methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	750	U
101-55-3	4-Bromophenyl-phenylether	750	U
118-74-1	Hexachlorobenzene	750	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	750	U
120-12-7	Anthracene	750	U
84-74-2	Di-n-Butylphthalate	750	U
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	750	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	750	U
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)Phthalate	750	U
117-84-0	Di-n-Octyl Phthalate	750	U
205-99-2	Benzo(b)Fluoranthene	750	U
207-08-9	Benzo(k)Fluoranthene	750	U
50-32-8	Benzo(a)Pyrene	750	U
193-39-5	Indeno(1,2,3-cd)Pyrene	750	U
53-70-3	Dibenz(a,h)Anthracene	750	U
191-24-2	Benzo(g,h,i)Perylene	750	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR22GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 13 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.73	75	BJ
2.	UNKNOWN	7.60	25	BJ
3.	UNKNOWN ALIP. ALCOHOL	8.17	2300	BAJ
4.	UNKNOWN	8.60	48	J
5.	TETRACHLORO ETHANE	9.80	24	BJ
6.	UNKNOWN	10.20	57	BJ
7.	UNKNOWN	10.59	26	J
8.	UNKNOWN	11.24	44	BJ
9.	UNKNOWN	11.59	23	J
10.	UNKNOWN	11.89	270	BJ
11.	UNKNOWN	12.15	63	J
12.	UNKNOWN	12.22	16	BJ
13.	UNKNOWN	12.47	41	J
14.	UNKNOWN	12.65	17	BJ
15.	UNKNOWN PHTHALATE	24.02	24	J
16.	UNKNOWN ALIP. HYDROCARBON	28.17	19	J
17.	UNKNOWN ALIP. HYDROCARBON	30.37	24	J
18.	UNKNOWN ALIP. HYDROCARBON	33.74	20	J
19.	UNKNOWN ALIP. HYDROCARBON	39.71	38	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X104

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): SOIL Lab Sample ID: D190903

Sample wt/vol: 30.400 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 18.6 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	55	
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	280	
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	37	U
33213-65-9	Endosulfan II	37	U
72-54-8	4,4'-DDD	37	U
1031-07-8	Endosulfan sulfate	37	U
50-29-3	4,4'-DDT	37	U
72-43-5	Methoxychlor	186	U
53494-70-5	Endrin ketone	37	U
5103-71-9	alpha-Chlordane	410	
5106-74-2	gamma-Chlordane	200	
8001-35-2	Toxaphene	372	U
12674-11-2	Arochlor-1016	186	U
11104-28-2	Aroclor-1221	186	U
11141-16-5	Aroclor-1232	186	U
53469-21-9	Aroclor-1242	186	U
12672-29-6	Aroclor-1248	186	U
11097-69-1	Aroclor-1254	372	U
11096-82-5	Aroclor-1260	372	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 36 Date Analyzed: 04/01/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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	8	U
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	63	R BS
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
108-05-4	Vinyl Acetate	16	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	8	U
108-90-7	Chlorobenzene	6	J
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	8	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 36 Date Analyzed: 04/01/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

000059

1B

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: [illegible] Contract: _____

Lab Code: [illegible] Case No.: [illegible] SAS No.: _____ SDG No.: D190099

Matrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: [illegible] g/mL) G Lab File ID: APR22VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 34 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)Ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl Alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	N-Nitroso-Di-n-Propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
65-85-0	Benzoic Acid	5000	U
111-91-1	bis(2-Chloroethoxy)Methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-Methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	5000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	5000	U
131-11-3	Dimethyl Phthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X10e

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: 30.4 (g/mL) G Lab File ID: APR22VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 36 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	5000	U
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	5000	U
100-02-7	4-Nitrophenol	5000	U
132-64-9	Dibenzofuran	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
86-73-7	Fluorene	1000	U
100-10-6	4-Nitroaniline	5000	U
534-52-1	4,6-Dinitro-2-Methylphenol	5000	U
86-30-6	N-Nitrosodiphenylamine (1)	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	5000	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	1000	U
84-74-2	Di-n-Butylphthalate	1000	U
206-44-0	Fluoranthene	510	J
129-00-0	Pyrene	480	J
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)Anthracene	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1000	U
117-84-0	Di-n-Octyl Phthalate	1000	UJ
205-99-2	Benzo(b)Fluoranthene	480	J
207-08-9	Benzo(k)Fluoranthene	1000	UJ
50-32-8	Benzo(a)Pyrene	1000	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	1000	UJ
53-70-3	Dibenz(a,h)Anthracene	1000	UJ
191-24-2	Benzo(g,h,i)Perylene	1000	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: 30.4 (g/mL) G Lab File ID: APR22VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 36 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.12	2400	BAJ
2.	UNKNOWN	11.65	300	BJ
3.	UNKNOWN	25.14	230	J
4.	UNKNOWN	25.24	120	J
5.	UNKNOWN	25.61	130	J
6.	UNKNOWN	26.06	250	J
7.	UNKNOWN	26.44	140	J
8.	UNKNOWN	26.54	310	J
9.	UNKNOWN	26.99	410	J
10.	UNKNOWN	27.79	710	J
11.	UNKNOWN	28.04	130	J
12.	UNKNOWN	28.34	560	J
13.	UNKNOWN	28.82	270	J
14.	UNKNOWN	29.59	340	J
15.	UNKNOWN ALIP. HYDROCARBON			J

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X106

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190904

Sample wt/vol: 30.540 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 36.9 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	25	U
319-85-7	beta-BHC	10	J
319-86-8	delta-BHC	25	U
58-89-9	gamma-BHC (Lindane)	25	U
76-44-8	Heptachlor	25	U
309-00-2	Aldrin	25	U
1024-57-3	Heptachlor epoxide	25	U
959-98-8	Endosulfan I	25	U
60-57-1	Dieldrin	51	U
72-55-9	4,4'-DDE	51	U
72-20-8	Endrin	151	
33213-65-9	Endosulfan II	210	
72-54-8	4,4'-DDD	51	U
1031-07-8	Endosulfan sulfate	51	U
50-29-3	4,4'-DDT	51	U
72-43-5	Methoxychlor	254	U
53494-70-5	Endrin ketone	51	U
5103-71-9	alpha-Chlordane	254	U
5106-74-2	gamma-Chlordane	254	U
8001-35-2	Toxaphene	507	U
12674-11-2	Arochlor-1016	254	U
11104-28-2	Aroclor-1221	254	U
11141-16-5	Aroclor-1232	254	U
53469-21-9	Aroclor-1242	254	U
12672-29-6	Aroclor-1248	254	U
11097-69-1	Aroclor-1254	6955	
11096-82-5	Aroclor-1260	364	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0402LC10

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 64 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	69	U
74-83-9	Bromomethane	69	U
75-01-4	Vinyl Chloride	69	U
75-00-3	Chloroethane	69	U
75-09-2	Methylene Chloride	18	J
67-64-1	Acetone	410	
75-15-0	Carbon Disulfide	35	U
75-35-4	1,1-Dichloroethene	35	U
75-34-3	1,1-Dichloroethane	35	U
540-59-0	1,2-Dichloroethene (total)	35	U
67-66-3	Chloroform	35	U
107-06-2	1,2-Dichloroethane	35	U
78-93-3	2-Butanone	140	R
71-55-6	1,1,1-Trichloroethane	35	U
56-23-5	Carbon Tetrachloride	35	U
108-05-4	Vinyl Acetate	69	U
75-27-4	Bromodichloromethane	35	U
78-87-5	1,2-Dichloropropane	35	U
10061-01-5	cis-1,3-Dichloropropene	35	U
79-01-6	Trichloroethene	35	U
124-48-1	Dibromochloromethane	35	U
79-00-5	1,1,2-Trichloroethane	35	U
71-43-2	Benzene	35	U
10061-02-6	trans-1,3-Dichloropropene	35	U
75-25-2	Bromoform	35	U
108-10-1	4-Methyl-2-Pentanone	69	U
591-78-6	2-Hexanone	69	U
127-18-4	Tetrachloroethene	35	U
79-34-5	1,1,2,2-Tetrachloroethane	35	U
108-88-3	Toluene	35	U
108-90-7	Chlorobenzene	120	
100-41-4	Ethylbenzene	35	U
100-42-5	Styrene	35	U
1330-20-7	Xylene (total)	35	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0402LC10

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 64 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22VG01

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 64 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

9222600057

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1800	U
111-44-4	bis(2-Chloroethyl)Ether	1800	U
95-57-8	2-Chlorophenol	1800	U
541-73-1	1,3-Dichlorobenzene	1800	U
106-46-7	1,4-Dichlorobenzene	1500	J
100-51-6	Benzyl Alcohol	1800	U
95-50-1	1,2-Dichlorobenzene	1800	U
95-48-7	2-Methylphenol	1800	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-Di-n-Propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
65-85-0	Benzoic Acid	8800	U
111-91-1	bis(2-Chloroethoxy)Methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
120-82-1	1,2,4-Trichlorobenzene	1800	U
91-20-3	Naphthalene	1800	U
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
59-50-7	4-Chloro-3-Methylphenol	1800	U
91-57-6	2-Methylnaphthalene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	8800	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	8800	U
131-11-3	Dimethyl Phthalate	1800	U
208-96-8	Acenaphthylene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22VG01

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 64 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	8800	U
83-32-9	Acenaphthene	1800	U
51-28-5	2,4-Dinitrophenol	8800	U
100-02-7	4-Nitrophenol	8800	U
132-64-9	Dibenzofuran	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
7005-72-3	4-Chlorophenyl-phenylether	1800	U
86-73-7	Fluorene	1800	U
100-10-6	4-Nitroaniline	8800	U
534-52-1	4,6-Dinitro-2-Methylphenol	8800	U
86-30-6	N-Nitrosodiphenylamine (1)	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-86-5	Pentachlorophenol	8800	U
85-01-8	Phenanthrene	1800	U
120-12-7	Anthracene	1800	U
84-74-2	Di-n-Butylphthalate	1800	U
206-44-0	Fluoranthene	1800	U
129-00-0	Pyrene	5300	
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)Anthracene	1800	U
218-01-9	Chrysene	2800	
117-81-7	bis(2-Ethylhexyl)Phthalate	1800	U
117-84-0	Di-n-Octyl Phthalate	1800	U
205-99-2	Benzo(b)Fluoranthene	2400	
207-08-9	Benzo(k)Fluoranthene	1800	U
50-32-8	Benzo(a)Pyrene	1800	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1800	U
53-70-3	Dibenz(a,h)Anthracene	1800	U
191-24-2	Benzo(g,h,i)Perylene	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22VG01

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 64 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.13	4400	BAJ
2.	UNKNOWN ALIP. HYDROCARBON	22.00	1500	J
3.	UNKNOWN	23.82	1300	J
4.	UNKNOWN	24.15	2600	J
5.	UNKNOWN	24.82	2400	J
6.	UNKNOWN	25.16	3400	J
7.	UNKNOWN	25.42	18000	J
8.	UNKNOWN	25.59	2500	J
9.	UNKNOWN	25.72	22000	J
10.	UNKNOWN	26.04	51000	J
11.	UNKNOWN	26.61	2300	J
12.	UNKNOWN	26.82	6500	J
13.	UNKNOWN	26.99	1800	J
14.	UNKNOWN	27.16	1500	J
15.	UNKNOWN	28.09	6000	J
16.	UNKNOWN	28.36	1900	J
17.	UNKNOWN	28.86	1400	J
18.	UNKNOWN	29.16	2400	J

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

Lab Name: I.E.P.A. - Springfield Contract:SAUGET X107

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

Matrix: (soil/water): WATER Lab Sample ID: D190905

Sample wt/vol: 30.190 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 64.6 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	45	U
319-85-7	beta-BHC	45	U
319-86-8	delta-BHC	45	U
58-89-9	gamma-BHC (Lindane)	45	U
76-44-8	Heptachlor	45	U
309-00-2	Aldrin	45	U
1024-57-3	Heptachlor epoxide	45	U
959-98-8	Endosulfan I	45	U
60-57-1	Dieldrin	90	U
72-55-9	4,4'-DDE	90	U
72-20-8	Endrin	975	
33213-65-9	Endosulfan II	90	U
72-54-8	4,4'-DDD	90	U
1031-07-8	Endosulfan sulfate	90	U
50-29-3	4,4'-DDT	90	U
72-43-5	Methoxychlor	452	U
53494-70-5	Endrin ketone	90	U
5103-71-9	alpha-Chlordane	452	U
5106-74-2	gamma-Chlordane	452	U
8001-35-2	Toxaphene	904	U
12674-11-2	Arochlor-1016	452	U
11104-28-2	Aroclor-1221	452	U
11141-16-5	Aroclor-1232	452	U
53469-21-9	Aroclor-1242	452	U
12672-29-6	Aroclor-1248	452	U
11097-69-1	Aroclor-1254	45653	
11096-82-5	Aroclor-1260	14273	

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC11

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 43 Date Analyzed: 03/29/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	18	U
74-83-9	Bromomethane	18	U
75-01-4	Vinyl Chloride	18	U
75-00-3	Chloroethane	18	U
75-09-2	Methylene Chloride	9	U
67-64-1	Acetone	11	J
75-15-0	Carbon Disulfide	9	U
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
540-59-0	1,2-Dichloroethene (total)	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone	4	~~J~~R B
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon Tetrachloride	9	U
108-05-4	Vinyl Acetate	18	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-Pentanone	18	U
591-78-6	2-Hexanone	18	U
127-18-4	Tetrachloroethene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
108-88-3	Toluene	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
100-42-5	Styrene	9	U
1330-20-7	Xylene (total)	9	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC11

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 43 Date Analyzed: 03/29/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22GK07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 43 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

92250057

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	490	J
100-51-6	Benzyl Alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	320	J
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
65-85-0	Benzoic Acid	5600	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	5600	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	5600	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22GK07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 43 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

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

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	5600	U
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	5600	U
100-02-7	4-Nitrophenol	5600	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-10-6	4-Nitroaniline	5600	U
534-52-1	4,6-Dinitro-2-Methylphenol	5600	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	5600	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	470	J
129-00-0	Pyrene	450	J
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	2300	U
56-55-3	Benzo(a)Anthracene	1200	U
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1200	U
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	1200	U
207-08-9	Benzo(k)Fluoranthene	1200	U
50-32-8	Benzo(a)Pyrene	1200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3	Dibenz(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22GK07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 43 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.70	100	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.13	2800	BAJ
3.	UNKNOWN	10.19	110	J
4.	UNKNOWN	11.65	340	BJ
5.	UNKNOWN	22.35	82	J
6.	UNKNOWN ALIP. HYDROCARBON	23.17	82	J
7.	UNKNOWN PHTHALATE	23.99	89	J
8.	UNKNOWN	24.97	200	J
9.	METHYL PHENANTHRENE	25.12	82	J
10.	UNKNOWN	25.41	120	J
11.	UNKNOWN	25.71	150	J
12.	UNKNOWN	25.99	290	J
13.	UNKNOWN	26.04	250	J
14.	UNKNOWN	27.87	110	J
15.	UNKNOWN	28.07	180	J
16.	UNKNOWN	28.14	170	J
17.	UNKNOWN ALIP. HYDROCARBON	33.74	95	J
18.	UNKNOWN ALIP. HYDROCARBON	38.69	89	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

X108

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

Matrix: (soil/water): WATER Lab Sample ID: D190906

Sample wt/vol: 30.310 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 43.0 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	28	U
319-85-7	beta-BHC	28	U
319-86-8	delta-BHC	28	U
58-89-9	gamma-BHC (Lindane)	28	U
76-44-8	Heptachlor	28	U
309-00-2	Aldrin	28	U
1024-57-3	Heptachlor epoxide	28	U
959-98-8	Endosulfan I	28	U
60-57-1	Dieldrin	56	U
72-55-9	4,4'-DDE	56	U
72-20-8	Endrin	56	U
33213-65-9	Endosulfan II	56	U
72-54-8	4,4'-DDD	56	U
1031-07-8	Endosulfan sulfate	56	U
50-29-3	4,4'-DDT	56	U
72-43-5	Methoxychlor	281	U
53494-70-5	Endrin ketone	56	U
5103-71-9	alpha-Chlordane	281	U
5106-74-2	gamma-Chlordane	281	U
8001-35-2	Toxaphene	562	U
12674-11-2	Arochlor-1016	281	U
11104-28-2	Aroclor-1221	281	U
11141-16-5	Aroclor-1232	281	U
53469-21-9	Aroclor-1242	281	U
12672-29-6	Aroclor-1248	281	U
11097-69-1	Aroclor-1254	562	U
11096-82-5	Aroclor-1260	562	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190907

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC08

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 32 Date Analyzed: 04/01/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	7	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	15	~~U~~R
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylene (total)	7	U

FORM I VOA 1/87 Rev.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190907

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC08

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 32 Date Analyzed: 04/01/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC 1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190907

Sample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

9222600058

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	960	U
111-44-4	bis(2-Chloroethyl)Ether	960	U
95-57-8	2-Chlorophenol	960	U
541-73-1	1,3-Dichlorobenzene	960	U
106-46-7	1,4-Dichlorobenzene	960	U
100-51-6	Benzyl Alcohol	960	U
95-50-1	1,2-Dichlorobenzene	960	U
95-48-7	2-Methylphenol	960	U
39638-32-9	bis(2-Chloroisopropyl)Ether	960	U
106-44-5	4-Methylphenol	960	U
621-64-7	N-Nitroso-Di-n-Propylamine	960	U
67-72-1	Hexachloroethane	960	U
98-95-3	Nitrobenzene	960	U
78-59-1	Isophorone	960	U
88-75-5	2-Nitrophenol	960	U
105-67-9	2,4-Dimethylphenol	960	U
65-85-0	Benzoic Acid	4600	U
111-91-1	bis(2-Chloroethoxy)Methane	960	U
120-83-2	2,4-Dichlorophenol	960	U
120-82-1	1,2,4-Trichlorobenzene	960	U
91-20-3	Naphthalene	960	U
106-47-8	4-Chloroaniline	960	U
87-68-3	Hexachlorobutadiene	960	U
59-50-7	4-Chloro-3-Methylphenol	960	U
91-57-6	2-Methylnaphthalene	960	U
77-47-4	Hexachlorocyclopentadiene	960	U
88-06-2	2,4,6-Trichlorophenol	960	U
95-95-4	2,4,5-Trichlorophenol	4600	U
91-58-7	2-Chloronaphthalene	960	U
88-74-4	2-Nitroaniline	4600	U
131-11-3	Dimethyl Phthalate	960	U
208-96-8	Acenaphthylene	960	U
606-20-2	2,6-Dinitrotoluene	960	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190907

Sample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 32 dec. _____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

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

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	4600	U
83-32-9	Acenaphthene	960	U
51-28-5	2,4-Dinitrophenol	4600	U
100-02-7	4-Nitrophenol	4600	U
132-64-9	Dibenzofuran	960	U
121-14-2	2,4-Dinitrotoluene	960	U
84-66-2	Diethylphthalate	960	U
7005-72-3	4-Chlorophenyl-phenylether	960	U
86-73-7	Fluorene	960	U
100-10-6	4-Nitroaniline	4600	U
534-52-1	4,6-Dinitro-2-Methylphenol	4600	U
86-30-6	N-Nitrosodiphenylamine (1)	960	U
101-55-3	4-Bromophenyl-phenylether	960	U
118-74-1	Hexachlorobenzene	960	U
87-86-5	Pentachlorophenol	4600	U
85-01-8	Phenanthrene	960	U
120-12-7	Anthracene	960	U
84-74-2	Di-n-Butylphthalate	960	U
206-44-0	Fluoranthene	960	U
129-00-0	Pyrene	960	U
85-68-7	Butylbenzylphthalate	960	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)Anthracene	960	U
218-01-9	Chrysene	960	U
117-81-7	bis(2-Ethylhexyl)Phthalate	960	U
117-84-0	Di-n-Octyl Phthalate	960	U
205-99-2	Benzo(b)Fluoranthene	960	U
207-08-9	Benzo(k)Fluoranthene	960	U
50-32-8	Benzo(a)Pyrene	960	U
193-39-5	Indeno(1,2,3-cd)Pyrene	960	U
53-70-3	Dibenz(a,h)Anthracene	960	U
191-24-2	Benzo(g,h,i)Perylene	960	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190907

Sample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	7.70	60	J
2.	UNKNOWN ALIP. ALCOHOL	8.15	2800	BAJ
3.	UNKNOWN	8.57	60	BJ
4.	TETRACHLORO ETHANE	9.80	38	BJ
5.	UNKNOWN	10.19	91	BJ
6.	UNKNOWN	10.59	50	J
7.	UNKNOWN	11.24	47	BJ
8.	UNKNOWN	11.69	280	BJ
9.	UNKNOWN	12.15	59	BJ
10.	UNKNOWN	12.47	28	J
11.	UNKNOWN ALIP. HYDROCARBON	12.65	78	J
12.	UNKNOWN PHTHALATE	24.02	52	J
13.	UNKNOWN	26.02	32	J
14.	UNKNOWN	26.07	37	J
15.	UNKNOWN ALIP. HYDROCARBON	28.17	43	J
16.	UNKNOWN ALIP. HYDROCARBON	30.49	31	J
17.	UNKNOWN ALIP. HYDROCARBON	33.76	35	J
18.	UNKNOWN ALIP. HYDROCARBON	38.74	40	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

X109

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

Matrix: (soil/water): WATER Lab Sample ID: D190907

Sample wt/vol: 30.100 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 32.36 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	24	U
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	24	U
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	47	U
72-55-9	4,4'-DDE	47	U
72-20-8	Endrin	47	U
33213-65-9	Endosulfan II	47	U
72-54-8	4,4'-DDD	47	U
1031-07-8	Endosulfan sulfate	47	U
50-29-3	4,4'-DDT	47	U
72-43-5	Methoxychlor	237	U
53494-70-5	Endrin ketone	47	U
5103-71-9	alpha-Chlordane	237	U
5106-74-2	gamma-Chlordane	237	U
8001-35-2	Toxaphene	473	U
12674-11-2	Arochlor-1016	237	U
11104-28-2	Aroclor-1221	237	U
11141-16-5	Aroclor-1232	237	U
53469-21-9	Aroclor-1242	237	U
12672-29-6	Aroclor-1248	237	U
11097-69-1	Aroclor-1254	473	U
11096-82-5	Aroclor-1260	473	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

9122600058 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	7	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	9	JR
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	13	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylene (total)	7	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC05

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS 1B ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	860	U
111-44-4	bis(2-Chloroethyl)Ether	860	U
95-57-8	2-Chlorophenol	860	U
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
100-51-6	Benzyl Alcohol	860	U
95-50-1	1,2-Dichlorobenzene	860	U
95-48-7	2-Methylphenol	860	U
39638-32-9	bis(2-Chloroisopropyl)Ether	860	U
106-44-5	4-Methylphenol	860	U
621-64-7	N-Nitroso-Di-n-Propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
65-85-0	Benzoic Acid	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
120-82-1	1,2,4-Trichlorobenzene	860	U
91-20-3	Naphthalene	860	U
106-47-8	4-Chloroaniline	860	U
87-68-3	Hexachlorobutadiene	860	U
59-50-7	4-Chloro-3-Methylphenol	860	U
91-57-6	2-Methylnaphthalene	860	U
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	860	U
208-96-8	Acenaphthylene	860	U
606-20-2	2,6-Dinitrotoluene	860	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	470	J
129-00-0	Pyrene	390	J
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	860	U
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.75	96	J
2.	UNKNOWN	7.05	44	BJ
3.	UNKNOWN ALIP. ALCOHOL	8.18	2500	J
4.	TETRACHLORO ETHANE	9.82	45	BAJ
5.	UNKNOWN	10.22	100	J
6.	UNKNOWN	10.60	49	BJ
7.	UNKNOWN	11.27	59	BJ
8.	UNKNOWN	11.44	36	BJ
9.	UNKNOWN	11.70	340	BJ
10.	UNKNOWN	12.07	51	J
11.	UNKNOWN	12.17	91	J
12.	UNKNOWN	12.49	68	J
13.	UNKNOWN PHTHALATE	24.04	63	J
14.	UNKNOWN	26.04	53	J
15.	UNKNOWN	26.09	64	J
16.	UNKNOWN	28.19	48	J
17.	UNKNOWN	30.59	37	J
18.	UNKNOWN	38.76	52	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X110

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190908

Sample wt/vol: 30.250 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 25.58 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	3	J
72-20-8	Endrin	56	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	215	U
53494-70-5	Endrin ketone	43	U
5103-71-9	alpha-Chlordane	215	U
5106-74-2	gamma-Chlordane	215	U
8001-35-2	Toxaphene	430	U
12674-11-2	Arochlor-1016	215	U
11104-28-2	Aroclor-1221	215	U
11141-16-5	Aroclor-1232	215	U
53469-21-9	Aroclor-1242	215	U
12672-29-6	Aroclor-1248	215	U
11097-69-1	Aroclor-1254	430	U
11096-82-5	Aroclor-1260	430	U

COMMS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	19	U
74-83-9	Bromomethane	19	U
75-01-4	Vinyl Chloride	19	U
75-00-3	Chloroethane	19	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	12	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	19	~~U~~ R
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl Acetate	19	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	19	U
591-78-6	2-Hexanone	19	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)Ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl Alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	N-Nitroso-Di-n-Propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
65-85-0	Benzoic Acid	6100	U
111-91-1	bis(2-Chloroethoxy)Methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-Methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	6100	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	6100	U
131-11-3	Dimethyl Phthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	6100	U
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	6100	U
100-02-7	4-Nitrophenol	6100	U
132-64-9	Dibenzofuran	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
86-73-7	Fluorene	1300	U
100-10-6	4-Nitroaniline	6100	U
534-52-1	4,6-Dinitro-2-Methylphenol	6100	U
86-30-6	N-Nitrosodiphenylamine (1)	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	6100	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-Butylphthalate	1300	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	1300	U
91-94-1	3,3'-Dichlorobenzidine	2500	U
56-55-3	Benzo(a)Anthracene	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1300	U
117-84-0	Di-n-Octyl Phthalate	1300	U
205-99-2	Benzo(b)Fluoranthene	1300	U
207-08-9	Benzo(k)Fluoranthene	1300	U
50-32-8	Benzo(a)Pyrene	1300	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1300	U
53-70-3	Dibenz(a,h)Anthracene	1300	U
191-24-2	Benzo(g,h,i)Perylene	1300	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.45	100	J
2.	UNKNOWN ALIP. ALCOHOL	7.97	3800	BAJ
3.	UNKNOWN	10.09	140	BJ
4.	UNKNOWN	11.60	480	BJ
5.	UNKNOWN	13.32	110	J
6.	UNKNOWN	17.74	300	J
7.	UNKNOWN	21.82	200	J
8.	UNKNOWN ALIP. HYDROCARBON	23.19	88	J
9.	UNKNOWN PHTHALATE	24.00	87	J
10.	UNKNOWN	25.14	120	J
11.	UNKNOWN	25.91	390	J
12.	UNKNOWN	26.06	1000	J
13.	UNKNOWN	28.16	180	J
14.	UNKNOWN ALIP. HYDROCARBON	30.46	150	J
15.	UNKNOWN ALIP. HYDROCARBON	33.74	190	J
16.	UNKNOWN ALIP. HYDROCARBON	38.72	180	J

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X111

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190909

Sample wt/vol: 30.030 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 48.4 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	31	U
319-85-7	beta-BHC	31	U
319-86-8	delta-BHC	31	U
58-89-9	gamma-BHC (Lindane)	31	U
76-44-8	Heptachlor	31	U
309-00-2	Aldrin	31	U
1024-57-3	Heptachlor epoxide	31	U
959-98-8	Endosulfan I	31	U
60-57-1	Dieldrin	62	U
72-55-9	4,4'-DDE	97	
72-20-8	Endrin	66	
33213-65-9	Endosulfan II	203	
72-54-8	4,4'-DDD	62	U
1031-07-8	Endosulfan sulfate	62	U
50-29-3	4,4'-DDT	62	U
72-43-5	Methoxychlor	310	U
53494-70-5	Endrin ketone	62	U
5103-71-9	alpha-Chlordane	310	U
5106-74-2	gamma-Chlordane	310	U
8001-35-2	Toxaphene	620	U
12674-11-2	Arochlor-1016	310	U
11104-28-2	Aroclor-1221	310	U
11141-16-5	Aroclor-1232	310	U
53469-21-9	Aroclor-1242	310	U
12672-29-6	Aroclor-1248	310	U
11097-69-1	Aroclor-1254	4486	
11096-82-5	Aroclor-1260	862	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC08

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

9222500059

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	7	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	13	~~U~~R
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	13	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylene (total)	7	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC08

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	860	U
111-44-4	bis(2-Chloroethyl)Ether	860	U
95-57-8	2-Chlorophenol	860	U
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
100-51-6	Benzyl Alcohol	860	U
95-50-1	1,2-Dichlorobenzene	860	U
95-48-7	2-Methylphenol	860	U
39638-32-9	bis(2-Chloroisopropyl)Ether	860	U
106-44-5	4-Methylphenol	860	U
621-64-7	N-Nitroso-Di-n-Propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
65-85-0	Benzoic Acid	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
120-82-1	1,2,4-Trichlorobenzene	860	U
91-20-3	Naphthalene	860	U
106-47-8	4-Chloroaniline	860	U
87-68-3	Hexachlorobutadiene	860	U
59-50-7	4-Chloro-3-Methylphenol	860	U
91-57-6	2-Methylnaphthalene	860	U
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	860	U
208-96-8	Acenaphthylene	860	U
606-20-2	2,6-Dinitrotoluene	860	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	860	U
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	860	U
129-00-0	Pyrene	860	U
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	860	U
218-01-9	Chrysene	860	U
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.35	39	J
2.	UNKNOWN	7.52	68	BJ
3.	UNKNOWN ALIP. HYDROCARBON	7.67	54	J
4.	UNKNOWN ALIP. ALCOHOL	8.10	5300	BAJ
5.	UNKNOWN	8.52	100	J
6.	UNKNOWN	9.47	62	J
7.	TETRACHLORO ETHANE	9.75	90	BJ
8.	UNKNOWN	10.14	140	BJ
9.	UNKNOWN	10.40	36	BJ
10.	UNKNOWN	10.54	88	J
11.	UNKNOWN	10.85	55	J
12.	UNKNOWN	11.19	96	BJ
13.	UNKNOWN	11.39	74	BJ
14.	UNKNOWN	11.54	54	J
15.	UNKNOWN	11.64	690	BJ
16.	UNKNOWN	12.02	88	J
17.	UNKNOWN	12.10	150	BJ
18.	UNKNOWN	12.44	180	J
19.	UNKNOWN	12.60	68	J
20.	UNKNOWN PHTHALATE	23.97	49	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112RE

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	860	U
111-44-4	bis(2-Chloroethyl)Ether	860	U
95-57-8	2-Chlorophenol	860	U
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
100-51-6	Benzyl Alcohol	860	U
95-50-1	1,2-Dichlorobenzene	860	U
95-48-7	2-Methylphenol	860	U
39638-32-9	bis(2-Chloroisopropyl)Ether	860	U
106-44-5	4-Methylphenol	860	U
621-64-7	N-Nitroso-Di-n-Propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
65-85-0	Benzoic Acid	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
120-82-1	1,2,4-Trichlorobenzene	860	U
91-20-3	Naphthalene	860	U
106-47-8	4-Chloroaniline	860	U
87-68-3	Hexachlorobutadiene	860	U
59-50-7	4-Chloro-3-Methylphenol	860	U
91-57-6	2-Methylnaphthalene	860	U
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	860	U
208-96-8	Acenaphthylene	860	U
606-20-2	2,6-Dinitrotoluene	860	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112RE

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	860	U
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	860	U
129-00-0	Pyrene	860	U
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	860	U
218-01-9	Chrysene	860	U
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112RE

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.55	76	BJ
2.	UNKNOWN ALIP. HYDROCARBON	7.68	63	J
3.	UNKNOWN ALIP. ALCOHOL	8.13	5700	BAJ
4.	UNKNOWN	8.55	110	BJ
5.	UNKNOWN	9.49	70	J
6.	UNKNOWN	9.67	79	J
7.	TETRACHLORO ETHANE	9.77	110	BJ
8.	UNKNOWN	10.15	150	BJ
9.	UNKNOWN	10.55	120	J
10.	UNKNOWN	10.85	66	J
11.	UNKNOWN	11.20	95	BJ
12.	UNKNOWN	11.39	82	BJ
13.	UNKNOWN	11.55	66	J
14.	UNKNOWN	11.65	740	BJ
15.	UNKNOWN	12.02	100	J
16.	UNKNOWN	12.12	140	BJ
17.	UNKNOWN	12.44	160	BJ
18.	UNKNOWN ALIP. HYDROCARBON	12.60	59	J
19.	UNKNOWN	13.34	53	J
20.	UNKNOWN PHTHALATE	23.99	55	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X112

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190910

Sample wt/vol: 30.340 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 24.9 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	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	213	U
53494-70-5	Endrin ketone	43	U
5103-71-9	alpha-Chlordane	213	U
5106-74-2	gamma-Chlordane	213	U
8001-35-2	Toxaphene	426	U
12674-11-2	Arochlor-1016	213	U
11104-28-2	Aroclor-1221	213	U
11141-16-5	Aroclor-1232	213	U
53469-21-9	Aroclor-1242	213	U
12672-29-6	Aroclor-1248	213	U
11097-69-1	Aroclor-1254	426	U
11096-82-5	Aroclor-1260	426	U

000101

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	7	U
67-64-1	Acetone	22	
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	11	~~JR~~ B
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	14	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	29	
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylene (total)	7	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC07

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC 1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	940	U
111-44-4	bis(2-Chloroethyl)Ether	940	U
95-57-8	2-Chlorophenol	940	U
541-73-1	1,3-Dichlorobenzene	940	U
106-46-7	1,4-Dichlorobenzene	940	U
100-51-6	Benzyl Alcohol	940	U
95-50-1	1,2-Dichlorobenzene	940	U
95-48-7	2-Methylphenol	940	U
39638-32-9	bis(2-Chloroisopropyl)Ether	940	U
106-44-5	4-Methylphenol	1100	
621-64-7	N-Nitroso-Di-n-Propylamine	940	U
67-72-1	Hexachloroethane	940	U
98-95-3	Nitrobenzene	940	U
78-59-1	Isophorone	940	U
88-75-5	2-Nitrophenol	940	U
105-67-9	2,4-Dimethylphenol	940	U
65-85-0	Benzoic Acid	4500	U
111-91-1	bis(2-Chloroethoxy)Methane	940	U
120-83-2	2,4-Dichlorophenol	940	U
120-82-1	1,2,4-Trichlorobenzene	940	U
91-20-3	Naphthalene	940	U
106-47-8	4-Chloroaniline	940	U
87-68-3	Hexachlorobutadiene	940	U
59-50-7	4-Chloro-3-Methylphenol	940	U
91-57-6	2-Methylnaphthalene	940	U
77-47-4	Hexachlorocyclopentadiene	940	U
88-06-2	2,4,6-Trichlorophenol	940	U
95-95-4	2,4,5-Trichlorophenol	4500	U
91-58-7	2-Chloronaphthalene	940	U
88-74-4	2-Nitroaniline	4500	U
131-11-3	Dimethyl Phthalate	940	U
208-96-8	Acenaphthylene	940	U
606-20-2	2,6-Dinitrotoluene	940	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4500	U
83-32-9	Acenaphthene	940	U
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	940	U
121-14-2	2,4-Dinitrotoluene	940	U
84-66-2	Diethylphthalate	940	U
7005-72-3	4-Chlorophenyl-phenylether	940	U
86-73-7	Fluorene	940	U
100-10-6	4-Nitroaniline	4500	U
534-52-1	4,6-Dinitro-2-Methylphenol	4500	U
86-30-6	N-Nitrosodiphenylamine (1)	940	U
101-55-3	4-Bromophenyl-phenylether	940	U
118-74-1	Hexachlorobenzene	940	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	940	U
120-12-7	Anthracene	940	U
84-74-2	Di-n-Butylphthalate	940	U
206-44-0	Fluoranthene	940	U
129-00-0	Pyrene	940	U
85-68-7	Butylbenzylphthalate	940	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)Anthracene	940	U
218-01-9	Chrysene	940	U
117-81-7	bis(2-Ethylhexyl)Phthalate	940	U
117-84-0	Di-n-Octyl Phthalate	940	U
205-99-2	Benzo(b)Fluoranthene	940	U
207-08-9	Benzo(k)Fluoranthene	940	U
50-32-8	Benzo(a)Pyrene	940	U
193-39-5	Indeno(1,2,3-cd)Pyrene	940	U
53-70-3	Dibenz(a,h)Anthracene	940	U
191-24-2	Benzo(g,h,i)Perylene	940	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.13	2600	BAJ
2.	UNKNOWN	8.57	62	BJ
3.	TETRACHLORO ETHANE	9.79	41	BJ
4.	UNKNOWN	10.17	94	BJ
5.	UNKNOWN	10.55	44	J
6.	UNKNOWN	10.87	56	J
7.	UNKNOWN	11.65	360	BJ
8.	UNKNOWN	12.14	48	BJ
9.	UNKNOWN ALIP. HYDROCARBON	12.64	51	J
10.	UNKNOWN	13.34	44	J
11.	UNKNOWN	21.74	78	J
12.	UNKNOWN PHTHALATE	24.00	140	J
13.	UNKNOWN	24.79	350	J
14.	UNKNOWN	26.04	130	J
15.	UNKNOWN	26.52	93	J
16.	UNKNOWN	27.41	81	J
17.	UNKNOWN ALIP. HYDROCARBON	30.46	91	J
18.	UNKNOWN ALIP. HYDROCARBON	33.72	170	J
19.	UNKNOWN ALIP. HYDROCARBON	38.69	280	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X113

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190911

Sample wt/vol: 30.660 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 31.8 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	47	U
72-55-9	4,4'-DDE	47	U
72-20-8	Endrin	47	U
33213-65-9	Endosulfan II	47	U
72-54-8	4,4'-DDD	47	U
1031-07-8	Endosulfan sulfate	47	U
50-29-3	4,4'-DDT	47	U
72-43-5	Methoxychlor	8	
53494-70-5	Endrin ketone	47	U
5103-71-9	alpha-Chlordane	235	U
5106-74-2	gamma-Chlordane	235	U
8001-35-2	Toxaphene	469	U
12674-11-2	Arochlor-1016	235	U
11104-28-2	Aroclor-1221	235	U
11141-16-5	Aroclor-1232	235	U
53469-21-9	Aroclor-1242	235	U
12672-29-6	Aroclor-1248	235	U
11097-69-1	Aroclor-1254	469	U
11096-82-5	Aroclor-1260	469	U

C00107

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC08

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 Date Analyzed: 03/29/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	8	U
67-64-1	Acetone	15	U
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	15	~~U~~ R
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	8	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC08

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 Date Analyzed: 03/29/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1000	UJ
111-44-4	bis(2-Chloroethyl)Ether	1000	UJ
95-57-8	2-Chlorophenol	1000	UJ
541-73-1	1,3-Dichlorobenzene	1000	UJ
106-46-7	1,4-Dichlorobenzene	1000	UJ
100-51-6	Benzyl Alcohol	1000	UJ
95-50-1	1,2-Dichlorobenzene	1000	UJ
95-48-7	2-Methylphenol	1000	UJ
39638-32-9	bis(2-Chloroisopropyl)Ether	1000	UJ
106-44-5	4-Methylphenol	1000	UJ
621-64-7	N-Nitroso-Di-n-Propylamine	1000	UJ
67-72-1	Hexachloroethane	1000	UJ
98-95-3	Nitrobenzene	1000	UJ
78-59-1	Isophorone	1000	UJ
88-75-5	2-Nitrophenol	1000	UJ
105-67-9	2,4-Dimethylphenol	1000	UJ
65-85-0	Benzoic Acid	4900	UJ
111-91-1	bis(2-Chloroethoxy)Methane	1000	UJ
120-83-2	2,4-Dichlorophenol	1000	UJ
120-82-1	1,2,4-Trichlorobenzene	1000	UJ
91-20-3	Naphthalene	1000	UJ
106-47-8	4-Chloroaniline	1000	UJ
87-68-3	Hexachlorobutadiene	1000	UJ
59-50-7	4-Chloro-3-Methylphenol	1000	UJ
91-57-6	2-Methylnaphthalene	1000	UJ
77-47-4	Hexachlorocyclopentadiene	1000	UJ
88-06-2	2,4,6-Trichlorophenol	1000	UJ
95-95-4	2,4,5-Trichlorophenol	4900	UJ
91-58-7	2-Chloronaphthalene	1000	UJ
88-74-4	2-Nitroaniline	4900	UJ
131-11-3	Dimethyl Phthalate	1000	UJ
208-96-8	Acenaphthylene	1000	UJ
606-20-2	2,6-Dinitrotoluene	1000	UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

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

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	4900	UJ
83-32-9	Acenaphthene	1000	UJ
51-28-5	2,4-Dinitrophenol	4900	UJ
100-02-7	4-Nitrophenol	4900	UJ
132-64-9	Dibenzofuran	1000	UJ
121-14-2	2,4-Dinitrotoluene	1000	UJ
84-66-2	Diethylphthalate	1000	UJ
7005-72-3	4-Chlorophenyl-phenylether	1000	UJ
86-73-7	Fluorene	1000	UJ
100-10-6	4-Nitroaniline	4900	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	4900	UJ
86-30-6	N-Nitrosodiphenylamine (1)	1000	UJ
101-55-3	4-Bromophenyl-phenylether	1000	UJ
118-74-1	Hexachlorobenzene	1000	UJ
87-86-5	Pentachlorophenol	4900	UJ
85-01-8	Phenanthrene	1000	UJ
120-12-7	Anthracene	1000	UJ
84-74-2	Di-n-Butylphthalate	1000	UJ
206-44-0	Fluoranthene	1000	UJ
129-00-0	Pyrene	1000	UJ
85-68-7	Butylbenzylphthalate	1000	UJ
91-94-1	3,3'-Dichlorobenzidine	2000	UJ
56-55-3	Benzo(a)Anthracene	1000	UJ
218-01-9	Chrysene	1000	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	1000	UJ
117-84-0	Di-n-Octyl Phthalate	1000	UJ
205-99-2	Benzo(b)Fluoranthene	1000	UJ
207-08-9	Benzo(k)Fluoranthene	1000	UJ
50-32-8	Benzo(a)Pyrene	1000	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	1000	UJ
53-70-3	Dibenz(a,h)Anthracene	1000	UJ
191-24-2	Benzo(g,h,i)Perylene	1000	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.70	130	BJ
2.	UNKNOWN	7.57	40	BJ
3.	UNKNOWN ALIP. ALCOHOL	8.13	4500	BAJ
4.	UNKNOWN	8.57	120	BJ
5.	UNKNOWN ALIP. HYDROCARBON	8.70	32	BJ
6.	UNKNOWN	10.19	92	BJ
7.	UNKNOWN	10.45	74	BJ
8.	UNKNOWN	10.57	37	J
9.	UNKNOWN	11.24	68	BJ
10.	UNKNOWN	11.67	460	BJ
11.	UNKNOWN	12.15	120	BJ
12.	UNKNOWN	12.49	270	BJ

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X114

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190912

Sample wt/vol: 30.440 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 35.3 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	25	U
319-85-7	beta-BHC	25	U
319-86-8	delta-BHC	25	U
58-89-9	gamma-BHC (Lindane)	25	U
76-44-8	Heptachlor	25	U
309-00-2	Aldrin	25	U
1024-57-3	Heptachlor epoxide	25	U
959-98-8	Endosulfan I	25	U
60-57-1	Dieldrin	49	U
72-55-9	4,4'-DDE	49	U
72-20-8	Endrin	49	U
33213-65-9	Endosulfan II	49	U
72-54-8	4,4'-DDD	49	U
1031-07-8	Endosulfan sulfate	49	U
50-29-3	4,4'-DDT	49	U
72-43-5	Methoxychlor	247	U
53494-70-5	Endrin ketone	49	U
5103-71-9	alpha-Chlordane	247	U
5106-74-2	gamma-Chlordane	247	U
8001-35-2	Toxaphene	495	U
12674-11-2	Arochlor-1016	247	U
11104-28-2	Aroclor-1221	247	U
11141-16-5	Aroclor-1232	247	U
53469-21-9	Aroclor-1242	247	U
12672-29-6	Aroclor-1248	247	U
11097-69-1	Aroclor-1254	495	U
11096-82-5	Aroclor-1260	495	U

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	G201	107	101	102	0	0
02	G202	99	98	101	0	0
03	G203	101	100	100	0	0
04	G204	97	96	99	0	0
05	G205	95	94	97	0	0
06	VBLKTB	101	98	99	0	0
07	VBLKW	103	103	102	0	0
08	VBLKW	100	97	95	0	0
09	G201MS	94	93	96	0	0
10	G201MSD	96	94	93	0	0
11	VBLKW	103	103	102	0	0
12	VBLKW	100	97	95	0	0

	QC LIMITS
S1 (TOL) = Toluene-d8	(88-110)
S2 (BFB) = Bromofluorobenzene	(86-115)
S3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-1 1/87 Rev.

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	G201	88	88	93	41	60	70	0	0
02	G202	84	86	100	26	39	57	0	0
03	G203	89	90	95	34	51	62	0	0
04	G204	92	93	104	44	65	72	0	0
05	G205	83	79	93	45	66	78	0	0
06	SBLKW	79	77	88	46	72	84	0	0
07	G205MS	85	84	97	40	58	78	0	0
08	G205MSD	83	82	94	46	65	79	0	0
09	SBLKW	79	77	88	46	72	84	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

FORM II SV-1 1/87 Rev.

2E
WATER PESTICIDE SURROGATE RECOVERY

ab Name: I.E.P.A. - Springfield Contract:SAUGET

ab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
1	G201	68	
2	G202	74	
3	G203	79	
4	G204	78	
5	G205	76	
6	G205MS	76	
7	G205MSD	82	
8	PBLKW#1	79	
9			
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			

ADVISORY QC LIMITS (24-154)

S1 (DBC) = Dibutylchlorendate

Column used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	VBLKSL	106	103	106	0	0
02	VBLKSL	91	101	96	0	0
03	X101	106	95	108	0	0
04	X102	111	97	102	0	0
05	X103	81	103	94	0	0
06	X104	87	98	99	0	0
07	X106	99	90	97	0	0
08	X107	99	98	102	0	0
09	X108	98	96	98	0	0
10	X109	106	102	100	0	0
11	X110	107	100	97	0	0
12	X111	94	103	95	0	0
13	X112	88	100	100	0	0
14	X113	84	102	95	0	0
15	X114	105	97	94	0	0
16	X109MS	101	99	100	0	0
17	X109MSD	105	99	109	0	0
18	VBLKSL	103	96	97	0	0
19	VBLKSL	106	103	106	0	0
20	VBLKSL	91	101	96	0	0

	QC LIMITS
S1 (TOL) = Toluene-d8	(81-117)
S2 (BFB) = Bromofluorobenzene	(74-121)
S3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Level:(low/med) MED

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	VBLKSM	88	105	95	0	0
02	X103DL	81	107	77	0	0
03	X109MS	88	107	93	0	0
04	X109MSD	84	100	89	0	0
05	VBLKSM	88	105	95	0	0

	QC LIMITS
S1 (TOL) = Toluene-d8	(81-117)
S2 (BFB) = Bromofluorobenzene	(74-121)
S3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 1/87 Rev.

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	SBLKSL	85	104	72	99	92	87	0	0
02	X101	88	125 *	87	104	93	104	0	1
03	X102	94	136 *	88	110	106	117	0	1
04	X103	96	108	90	98	94	89	0	0
05	X104	96	117 *	85	109	109	99	0	1
06	X106	88	106	60	101	87	88	0	0
07	X107	92	113	67	80	49	20	0	0
08	X108	94	106	80	107	98	100	0	0
09	X109	93	107	71	103	87	87	0	0
10	X110	83	103	80	102	86	96	0	0
11	X111	91	107	74	106	103	97	0	0
12	X112	110	132 *	94	129 *	119	106	0	2
13	X112RE	110	131 *	97	130 *	118	106	0	2
14	X113	83	103	88	106	84	100	0	0
15	X114	84	119 *	100	103	100	108	0	1
16	X114MS	62	79	62	74	63	68	0	0
17	X114MSD	46	62	62	56	47	58	0	0
18	SBLKSL	85	104	72	99	92	87	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

FORM II SV-2 1/87 Rev.

2F

SOIL PESTICIDE SURROGATE RECOVERY

ab Name: I.E.P.A. - Springfield Contract: SAUGET

ab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
1	X101	84	
2	X102	74	
3	X103	49	
4	X104	67	
5	X106	22	
6	X107	62	
7	X108	204	*
8	X109	52	
9	X110	64	
10	X111	61	
11	X112	74	
12	X113	112	
13	X114	62	
14	X114MS	65	
15	X114MSD	77	
16	PBLKS#1	67	
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			

ADVISORY QC LIMITS

S1 (DBC) = Dibutylchlorendate (20-150)

Column used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix Spike - EPA Sample No.: G201

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	53.6	107	61-145
Trichloroethene	50.0	0	47.5	95	71-120
Benzene	50.0	0	46.0	92	76-127
Toluene	50.0	0	47.6	95	76-125
Chlorobenzene	50.0	0	47.9	96	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	55.2	110	-3	14	61-145
Trichloroethene	50.0	47.8	96	-1	14	71-120
Benzene	50.0	46.8	94	-2	11	76-127
Toluene	50.0	47.4	95	0	13	76-125
Chlorobenzene	50.0	48.7	97	-1	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix Spike - EPA Sample No.: G205

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	50.0	0	17.5	35	12- 86
2-Chlorophenol	50.0	0	37.0	74	27-123
1,4-Dichlorobenzene	50.0	0	35.8	72	36 97
N-Nitroso-di-n-prop.(1)	50.0	0	37.5	75	41 116
1,2,4-Trichlorobenzene	50.0	0	35.6	71	39 98
4-Chloro-3-methylphenol	50.0	0	36.7	73	23 97
Acenaphthene	50.0	0	38.7	77	46-118
4-Nitrophenol	50.0	0	15.3	31	10- 80
2,4-Dinitrotoluene	50.0	0	37.5	75	24- 96
Pentachlorophenol	50.0	0	39.6	79	9-103
Pyrene	50.0	0	35.7	71	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0	20.0	40	-13	42	12- 86
2-Chlorophenol	50.0	41.5	83	-11	40	27-123
1,4-Dichlorobenzene	50.0	35.9	72	0	28	36 97
N-Nitroso-di-n-prop.(1)	50.0	37.3	75	0	38	41 116
1,2,4-Trichlorobenzene	50.0	36.2	72	-1	28	39 98
4-Chloro-3-methylphenol	50.0	41.0	82	-12	42	23 97
Acenaphthene	50.0	38.0	76	1	31	46-118
4-Nitrophenol	50.0	18.3	37	-18	50	10- 80
2,4-Dinitrotoluene	50.0	36.4	73	3	38	24- 96
Pentachlorophenol	50.0	45.5	91	-14	50	9-103
Pyrene	50.0	36.3	73	-3	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: I.E.P.A.-Springfield Contract: SAUGET

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

Matrix Spike - EPA Sample No.: G203 Level:(low/med): low

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.2	0	0.235	118	46-127
Heptachlor	0.2	0	0.538	269	35-130
Aldrin	0.2	0	1.975	988	34-132
Dieldrin	0.5	0	0.695	139	31-134
Endrin	0.5	0	0.682	136	42-139
4,4'-DDT	0.5	0	0.626	125	23-134

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.2	0.282	141	17.94	15	46-127
Heptachlor	0.2	0.573	286	6.35	20	35-130
Aldrin	0.2	2.088	1044	5.52	22	34-132
Dieldrin	0.5	0.737	147	5.82	18	31-134
Endrin	0.5	0.763	153	11.25	21	42-139
4,4'-DDT	0.5	0.683	137	8.63	27	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 9 out of 12 outside limits

COMMENTS: ALDRIN WAS NOT CONFIRMED ON THE 2ND COLUMN, BUT THERE WAS AN INTERFERING PEAK PRESENT.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix Spike - EPA Sample No.: X109 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	53.9	108	59-172
Trichloroethene	50.0	0	51.2	102	62-137
Benzene	50.0	0	52.3	105	66-142
Toluene	50.0	0	66.5	133	59-139
Chlorobenzene	50.0	0	49.3	99	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	45.4	91	17	22	59-172
Trichloroethene	50.0	50.1	100	2	24	62-137
Benzene	50.0	51.4	103	2	21	66-142
Toluene	50.0	60.9	122	9	21	59-139
Chlorobenzene	50.0	48.4	97	2	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix Spike - EPA Sample No.: X109 Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	42.9	86	59-172
Trichloroethene	50.0	0	52.0	104	62-137
Benzene	50.0	0	49.2	98	66-142
Toluene	50.0	0	50.2	100	59-139
Chlorobenzene	50.0	0	50.6	101	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	46.2	92	-7	22	59-172
Trichloroethene	50.0	52.3	105	-1	24	62-137
Benzene	50.0	49.5	99	-1	21	66-142
Toluene	50.0	50.6	101	-1	21	59-139
Chlorobenzene	50.0	50.4	101	0	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix Spike - EPA Sample No.: X114 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	100	0	47.2	47	26- 90
2-Chlorophenol	100	0	42.6	43	25-102
1,4-Dichlorobenzene	100	0	42.0	42	28 104
N-Nitroso-di-n-prop.(1)	100	0	46.0	46	41 126
1,2,4-Trichlorobenzene	100	0	44.4	44	38 107
4-Chloro-3-methylphenol	100	0	49.6	50	26 103
Acenaphthene	100	0	53.6	54	31-137
4-Nitrophenol	100	0	59.8	60	11-114
2,4-Dinitrotoluene	100	0	58.4	58	28- 89
Pentachlorophenol	100	0	43.2	43	17-109
Pyrene	100	0	66.6	67	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0	18.5	37	24	35	26- 90
2-Chlorophenol	50.0	17.2	34	23	50	25-102
1,4-Dichlorobenzene	50.0	16.6	33	24	27	28 104
N-Nitroso-di-n-prop.(1)	50.0	17.9	36 *	24	38	41 126
1,2,4-Trichlorobenzene	50.0	17.1	34 *	26 *	23	38 107
4-Chloro-3-methylphenol	50.0	21.8	44	13	33	26 103
Acenaphthene	50.0	22.1	44	20 *	19	31-137
4-Nitrophenol	50.0	27.3	55	9	50	11-114
2,4-Dinitrotoluene	50.0	28.6	57	2	47	28- 89
Pentachlorophenol	50.0	18.6	37	15	47	17-109
Pyrene	50.0	31.9	64	5	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: I.E.P.A.-Springfield Contract: SAUGET

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

Matrix Spike - EPA Sample No.: X114 Level:(low/med): low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	81.3	0	56.7	70	46-127
Heptachlor	81.3	0	57.1	70	35-130
Aldrin	81.3	0	54.7	67	34-132
Dieldrin	203.1	0	179.1	88	31-134
Endrin	203.1	0	209.9	103	42-139
4,4'-DDT	203.1	0	179.1	88	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	81.3	67.0	82.5	16.7	50	46-127
Heptachlor	81.3	62.9	77.4	9.6	31	35-130
Aldrin	81.3	61.1	75.2	11.1	43	34-132
Dieldrin	203.1	190.1	93.6	6.0	38	31-134
Endrin	203.1	225.2	110.8	7.0	45	42-139
4,4'-DDT	203.1	187.9	92.5	4.8	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 8 out of 12 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: B0329LC03 Lab Sample ID: 032991BLK

Date Analyzed: 03/29/91 Time Analyzed: 1055

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X102	D190901	B0329LC09	1443
02	X108	D190906	B0329LC11	1552
03	X114	D190912	B0329LC08	1359

COMMENTS:

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EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 032991BLK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 03/29/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 032991BLK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0329LC03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 03/29/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: B0401LC03 Lab Sample ID: 040191BLK

Date Analyzed: 04/01/91 Time Analyzed: 1056

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X101	D190900	B0401LC04	1136
02	X106	D190904	B0401LC07	1322
03	X109	D190907	B0401LC08	1401
04	X109MS	D190907MS	B0401LC10	1518
05	X109MSD	D190907MSD	B0401LC11	1555

COMMENTS:

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1A
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EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 040191BLK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/01/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 040191BLK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0401LC03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/01/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: A0402BK03 Lab Sample ID: 040291BLK

Date Analyzed: 04/02/91 Time Analyzed: 1303

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G201	D190894	A0402BK05	1414
02	G202	D190895	A0402BK06	1450
03	G203	D190896	A0402BK07	1538
04	VBLKTB	D190899	A0402BK04	1339

COMMENTS:

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: 040291BLK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: 040291BLK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

9 1 2 2 9 5 0 0 0 6 4 2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTB

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190899

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

9222500064 3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKTB

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190899

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0402BK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: B0402LC03 Lab Sample ID: 040291BLK

Date Analyzed: 04/02/91 Time Analyzed: 1041

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X103	D190902	B0402LC09	1511
02	X104	D190903	B0402LC11	1630
03	X107	D190905	B0402LC10	1550
04	X110	D190908	B0402LC05	1239
05	X111	D190909	B0402LC06	1323
06	X112	D190910	B0402LC08	1437
07	X113	D190911	B0402LC07	1358

COMMENTS:

92250006445

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 040291BLK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/02/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPELD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 040291BLK

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402LC03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/02/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: A0403BK03 Lab Sample ID: 040391BLK

Date Analyzed: 04/03/91 Time Analyzed: 1058

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G204	D190897	A0403BK04	1134
02	G205	D190898	A0403BK05	1251
03	G201MS	D190894MS	A0403BK06	1327
04	G201MSD	040391MSD	A0403BK07	1403

COMMENTS:

FORM IV VOA 1/87 Rev.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: 040391BLK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: 040391BLK

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: B0403LC03 Lab Sample ID: 040391BLK

Date Analyzed: 04/03/91 Time Analyzed: 1042

Matrix: (soil/water) SOIL Level:(low/med) MED

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X103DL	D190902DL	B0403LC04	1119
02	X109MS	D190907MS	B0403LC05	1157
03	X109MSD	D190907MSD	B0403LC06	1237

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSM

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 040391BLK

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0403LC03

Level: (low/med) MED Date Received: _____

% Moisture: not dec. ____ Date Analyzed: 04/03/91

Column: (pack/cap) WIDE Dilution Factor: 1.0

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	620	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	620	U
75-35-4	1,1-Dichloroethene	620	U
75-34-3	1,1-Dichloroethane	620	U
540-59-0	1,2-Dichloroethene (total)	620	U
67-66-3	Chloroform	620	U
107-06-2	1,2-Dichloroethane	620	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	620	U
56-23-5	Carbon Tetrachloride	620	U
108-05-4	Vinyl Acetate	1200	U
75-27-4	Bromodichloromethane	620	U
78-87-5	1,2-Dichloropropane	620	U
10061-01-5	cis-1,3-Dichloropropene	620	U
79-01-6	Trichloroethene	620	U
124-48-1	Dibromochloromethane	620	U
79-00-5	1,1,2-Trichloroethane	620	U
71-43-2	Benzene	620	U
10061-02-6	trans-1,3-Dichloropropene	620	U
75-25-2	Bromoform	620	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U
108-88-3	Toluene	620	U
108-90-7	Chlorobenzene	620	U
100-41-4	Ethylbenzene	620	U
100-42-5	Styrene	620	U
1330-20-7	Xylene (total)	620	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKSM

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: 040391BLK

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0403LC03

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/03/91

Column (pack/cap) WIDE Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: APR02GK03 Lab Sample ID: D190952

Date Extracted: 03/29/91 Extraction:(SepF/Cont/Sonc) SEPF

Date Analyzed: 04/02/91 Time Analyzed: 1035

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: INC500

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	G201	D190894	APR02GK04	04/02/91
02	G202	D190895	APR02VG01	04/02/91
03	G203	D190896	APR02GK05	04/02/91
04	G204	D190897	APR02GK06	04/02/91
05	G205	D190898	APR02VG02	04/02/91
06	G205MS	D190951	APR02VG03	04/02/91
07	G205MSD	D190951R	APR02VG04	04/02/91

COMMENTS:

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190952

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

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

9222600655

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190952

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

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

9222600656

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190952

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.08	18	AJ
2.	UNKNOWN	8.55	4.1	J
3.	UNKNOWN ALIP. KETONE	10.19	1.7	AJ

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID: APR19GK03 Lab Sample ID: D190947

Date Extracted: 03/29/91 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 04/19/91 Time Analyzed: 1122

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: INC500

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	X101	D190900	APR19VG03	04/19/91
02	X102	D190901	APR19VG04	04/19/91
03	X103	D190902	APR22GK05	04/22/91
04	X104	D190903	APR22GK04	04/22/91
05	X106	D190904	APR22VG04	04/22/91
06	X107	D190905	APR22VG01	04/22/91
07	X108	D190906	APR22GK07	04/22/91
08	X109	D190907	APR22GK03	04/22/91
09	X110	D190908	APR22VG02	04/22/91
10	X111	D190909	APR22VG03	04/22/91
11	X112	D190910	APR19GK04	04/19/91
12	X112RE	D190910	APR19GK06	04/19/91
13	X113	D190911	APR22GK06	04/22/91
14	X114	D190912	APR19VG02	04/19/91
15	X114MS	D190946	APR23GK03	04/23/91
16	X114MSD	D190946R	APR23GK04	04/23/91

COMMENTS:

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190947

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

9222500065 9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	650	U
111-44-4	bis(2-Chloroethyl)Ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
100-51-6	Benzyl Alcohol	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	2-Methylphenol	650	U
39638-32-9	bis(2-Chloroisopropyl)Ether	650	U
106-44-5	4-Methylphenol	650	U
621-64-7	N-Nitroso-Di-n-Propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	2,4-Dimethylphenol	650	U
65-85-0	Benzoic Acid	3200	U
111-91-1	bis(2-Chloroethoxy)Methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	Naphthalene	650	U
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	4-Chloro-3-Methylphenol	650	U
91-57-6	2-Methylnaphthalene	650	U
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	3200	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethyl Phthalate	650	U
208-96-8	Acenaphthylene	650	U
606-20-2	2,6-Dinitrotoluene	650	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190947

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3200	U
83-32-9	Acenaphthene	650	U
51-28-5	2,4-Dinitrophenol	3200	U
100-02-7	4-Nitrophenol	3200	U
132-64-9	Dibenzofuran	650	U
121-14-2	2,4-Dinitrotoluene	650	U
84-66-2	Diethylphthalate	650	U
7005-72-3	4-Chlorophenyl-phenylether	650	U
86-73-7	Fluorene	650	U
100-10-6	4-Nitroaniline	3200	U
534-52-1	4,6-Dinitro-2-Methylphenol	3200	U
86-30-6	N-Nitrosodiphenylamine (1)	650	U
101-55-3	4-Bromophenyl-phenylether	650	U
118-74-1	Hexachlorobenzene	650	U
87-86-5	Pentachlorophenol	3200	U
85-01-8	Phenanthrene	650	U
120-12-7	Anthracene	650	U
84-74-2	Di-n-Butylphthalate	650	U
206-44-0	Fluoranthene	650	U
129-00-0	Pyrene	650	U
85-68-7	Butylbenzylphthalate	650	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)Anthracene	650	U
218-01-9	Chrysene	650	U
117-81-7	bis(2-Ethylhexyl)Phthalate	650	U
117-84-0	Di-n-Octyl Phthalate	650	U
205-99-2	Benzo(b)Fluoranthene	650	U
207-08-9	Benzo(k)Fluoranthene	650	U
50-32-8	Benzo(a)Pyrene	650	U
193-39-5	Indeno(1,2,3-cd)Pyrene	650	U
53-70-3	Dibenz(a,h)Anthracene	650	U
191-24-2	Benzo(g,h,i)Perylene	650	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190947

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.68	68	J
2.	UNKNOWN ALIP. KETONE	7.05	42	AJ
3.	UNKNOWN	7.53	47	J
4.	UNKNOWN ALIP. ALCOHOL	8.12	3200	AJ
5.	UNKNOWN	8.55	140	J
6.	UNKNOWN ALIP. HYDROCARBON	8.67	67	J
7.	UNKNOWN ALIP. HYDROCARBON	8.84	46	J
8.	TETRACHLORO ETHANE	9.77	53	J
9.	UNKNOWN	10.15	57	J
10.	UNKNOWN	10.44	160	J
11.	UNKNOWN	11.20	52	J
12.	UNKNOWN	11.32	170	J
13.	UNKNOWN	11.39	76	J
14.	UNKNOWN	11.65	330	J
15.	UNKNOWN	12.02	46	J
16.	UNKNOWN	12.12	74	J
17.	UNKNOWN	12.25	46	J
18.	UNKNOWN	12.47	470	J
19.	UNKNOWN	12.60	65	J
20.	UNKNOWN	38.64	44	J

4C

PESTICIDE METHOD BLANK SUMMARY

ab Name: I.E.P.A.-Springfield Contract: SAUGET

ab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

ab Sample ID: D190950BL Lab File ID:

atrix(soil/water) WATER Level:(low/med) LOW

ate Extracted: 03-29-1991 Extraction:(SepF/Cont/Sonc) SepF

ate Analyzed (1): 04-12-1991 Date Analyzed (2): 04-12-1991

ime Analyzed (1): 03:21:34 Time Analyzed (2): 03:56:23

nstrument ID (1): 21/H5A Instrument ID (2): 22/H5B

GC Column ID (1): DB-5 (0.53 mm) GC Column ID (2): DB-1701 (0.53 mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID.	DATE ANALYZED 1	DATE ANALYZED 2
1:	G201	D190894	04-13-1991	04-13-1991
2:	G202	D190895	04-13-1991	04-13-1991
3:	G203	D190896	04-13-1991	04-13-1991
4:	G204	D190897	04-13-1991	04-13-1991
5:	G205	D190898	04-13-1991	04-13-1991
6:	G205MS	D190898MS	04-13-1991	04-13-1991
7:	G205MSD	D190898MSD	04-13-1991	04-13-1991

COMMENTS: _____

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

PBLKW#1

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): Water Lab Sample ID: D190950BL

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

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. --- dec. --- Date Extracted: 03-29-1991

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) N pH: 7 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5106-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

4C
PESTICIDE METHOD BLANK SUMMARY

Lab Name: I.E.P.A.-Springfield Contract: SAUGET

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

Lab Sample ID: D190891BL Lab File ID:

Matrix(soil/water) SOIL Level:(low/med) LOW

Date Extracted: 04-02-1991 Extraction:(SepF/Cont/Sonc SONC

Date Analyzed (1): 04-14-1991 Date Analyzed (2): 04-14-1991

Time Analyzed (1): 19:24:17 Time Analyzed (2): 19:59:54

Instrument ID (1): 21/H5A Instrument ID (2): 22/H5B

GC Column ID (1): DB-5 (0.53 mm) GC Column ID (2): DB-1701 (0.53 mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID.	DATE ANALYZED 1	DATE ANALYZED 2
1:	X101	D190900	04-13-1991	04-13-1991
2:	X102	D190901	04-13-1991	04-13-1991
3:	X103	D190902	04-13-1991	04-13-1991
4:	X104	D190903	04-13-1991	04-13-1991
5:	X106	D190904	04-13-1991	04-13-1991
6:	X107	D190906	04-13-1991	04-13-1991
7:	X108	D190907	04-13-1991	04-13-1991
8:	X109	D190908	04-13-1991	04-13-1991
9:	X110	D190909	04-13-1991	04-13-1991
0:	X111	D190910	04-13-1991	04-13-1991
1:	X112	D190911	04-13-1991	04-13-1991
2:	X113	D190912	04-13-1991	04-13-1991
3:	X114	D190913	04-13-1991	04-13-1991
4:	X114MS	D190997MS	04-13-1991	04-13-1991
5:	X114MSD	D190997MSD	04-13-1991	04-13-1991
6:				
7:				
8:				
9:				
0:				
1:				
2:				
3:				
4:				
5:				
6:				

COMMENTS: _____

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

PBLKS#1

Lab Name: I.E.P.A. - Springfield Contract:SAUGET

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

Matrix: (soil/water): WATER Lab Sample ID: D190998BL

Sample wt/vol: 30.240 (g/mL) g Lab File ID:

Level: (low/med) low Date Received: 03-28-1991

% Moisture: not dec. 0.0 dec. Date Extracted: 04-02-1991

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 04-12-1991

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	16	U
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	16	U
959-98-8	Endosulfan I	16	U
60-57-1	Dieldrin	32	U
72-55-9	4,4'-DDE	32	U
72-20-8	Endrin	32	U
33213-65-9	Endosulfan II	32	U
72-54-8	4,4'-DDD	32	U
1031-07-8	Endosulfan sulfate	32	U
50-29-3	4,4'-DDT	160	U
72-43-5	Methoxychlor	320	U
53494-70-5	Endrin ketone	32	U
5103-71-9	alpha-Chlordane	160	U
5106-74-2	gamma-Chlordane	160	U
8001-35-2	Toxaphene	320	U
12674-11-2	Arochlor-1016	160	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	160	U
53469-21-9	Aroclor-1242	160	U
12672-29-6	Aroclor-1248	160	U
11097-69-1	Aroclor-1254	320	U
11096-82-5	Aroclor-1260	320	U