SDMS US EPA REGION V -1

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Sauget Sites Area #1

141550 N.2

CERCLA
Screening Site Inspection Analytical Results

Volume 2 of 2

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

Confidential Material May be Enclosed

APPENDIX I

ANALYTICAL RESULTS (VOLUME 2 OF 2)

Sauget Sites Area 1
See CERCLIS for ILD #s

SUMMARY

SAMPLING POINT	G201	G202	G203	G204	G205	X101	X102	X103	X104
	03-27-91	03-27-91	03-27-91	03-28-91	03-27-91	03-28-91	03-28-91	03-28-91	03-28-91
PARAMETER									
VOLATILES (ppb)									
Methylene Chloride	--	--	--	--	--	3 J	3 J	--	--
Acetone	--	--	--	--	--	--	--	1600 DJ	--
1,1,1-Trichloroethane	--	--	--	--	--	5 J	--	--	--
Trichloroethene	--	--	--	--	--	5 J	--	--	--
Toluene	--	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--	--
# of TIC's	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(1)	(0)
SEMIVOLATILES (ppb)									
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--
4-Methylphenol	--	--	--	--	--	--	--	270 J	--
Phenanthrene	--	--	--	--	--	--	--	260 J	--
Fluoranthene	--	--	--	--	--	--	--	540 J	230 J
Pyrene	--	--	--	--	--	--	--	450 J	210 J
Benzo(a)anthracene	--	--	--	--	--	--	--	230 J	--
Chrysene	--	--	--	--	--	--	--	310 J	190 J
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--
# of TIC's	(5)	(5)	(9)	(6)	(20)	(14)	(19)	(20)	(19)
PESTICIDES/PCB's (ppb)									
beta-BHC	--	--	--	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	--	--	55
Heptachlor epoxide	--	--	--	--	--	81	--	--	280
4,4'-DDE	--	--	--	--	--	--	4 J	32 J	--
Endrin	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	13 J	--
Methoxychlor (Mariate)	--	--	--	--	0.07J	--	--	31 J	--
alpha-Chlorodane	--	--	--	--	3.76	821	--	--	410
gamma-Chlorodane	--	--	--	--	5.02	706	--	--	200
Aroclor-1254	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--

Sauget Sites Area 1
See CERCLIS for ILD #s

SUMMARY

SAMPLING POINT	G201	G202	G203	G204	G205	X101	X102	X103	X104
	03-27-91	03-27-91	03-27-91	03-28-91	03-27-91	03-28-91	03-28-91	03-28-91	03-28-91
PARAMETER									
INORGANICS (Water-ppb, soil/sed-ppm)									
Aluminum	--	--	--	--	96 B	13300	13300	10100	7620
Antimony	--	54 B	55 B	--	--	--	--	13.8 B	15.5 B
Arsenic	--	10.9	--	3.9 B	9.2 B	13.6	10.3	10.7	7.5
Barium	--	273	--	502	--	226	215	191	185
Beryllium	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	4.9	3.5	8.5	0.8 B
Calcium	141000	202000	164000	145000	11900	8540	5460	7210	34200
Chromium	--	--	--	--	--	31.9	26.6	38.7	19.5
Cobalt	6.2	--	--	--	--	6 B	7.2 B	4.5 B	4.2 B
Copper	--	--	--	--	75	110	125	167	18.7
Iron	977	21700	400	166	724	19400	18800	15500	12400
Lead	6.7	--	--	3.3	11	80	276	202	51
Magnesium	32100	41600	25800	37600	--	4550	3650	3020	8340
Manganese	712	1590	2750	39	100	419	518	402	277
Mercury	--	--	--	--	--	0.07	0.07	0.2	--
Nickel	--	--	--	--	--	23	21.4	19.9	18.2
Potassium	4340 B	7110	6330	5420	--	3320	3280	2390	1990
Selenium	1.3 B	--	1.3 B	2.7 B	0.8 B	--	0.9 B	--	--
Silver	--	--	--	--	--	--	--	1.5 B	--
Sodium	20900	24400	6240	14600	--	--	--	--	--
Thallium	2.4 B	4.7 B	3.1 B	--	--	--	--	--	--
Vanadium	--	--	--	--	--	35.1	36.5	29.1	22.4
Zinc	580	--	58	38	658	575	362	738	161
Sulfate	95000	146000	93000	48800	13000				--
FIELD TESTS									
Temperature (degrees F)	60.8	60.8	59.8	60.3	55.9				
Sp. Conductivity (umhos)	1003	1326	1027	1230	960				
Ph	7.59	7.38	7.24	7.56	7.49				

Sauget Sites Area 1
See CERCLIS for ILD #s

SAMPLING POINT	X106	X107	X108	X109	X110	X111	X112	X113	X114
	03-28-91	03-28-91	03-28-91	03-28-91	03-28-91	03-27-91	03-27-91	03-27-91	03-27-91
PARAMETER									
VOLATILES (ppb)									
Methylene Chloride	--	18 J	--	--	--	--	--	--	--
Acetone	130	410	11 J	5 J	18	12 J	3 J	22	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--
Trichloroethene	--	--	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	--	--	29	--
Chlorobenzene	6 J	120	--	--	--	--	--	--	--
# of TIC's	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
SEMIVOLATILES (ppb)									
1,4-Dichlorobenzene	--	1500 J	490 J	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	320 J	--	--	--	--	--	--
4-Methylphenol	--	--	--	--	--	--	--	1100	--
Phenanthrene	220 J	--	320 J	--	190 J	--	--	--	--
Fluoranthene	510 J	--	470 J	--	470 J	310 J	--	--	--
Pyrene	480 J	5300	450 J	--	390 J	340 J	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--	--
Chrysene	--	2800	400 J	--	290 J	--	--	--	--
Benzo(b)fluoranthene	480 J	2400	--	--	--	--	--	--	--
# of TIC's	(15)	(18)	(18)	(18)	(18)	(16)	(20)	(20)	(12)
PESTICIDES/PCB's (ppb)									
beta-BHC	10 J	--	--	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--	--	--	--	--	--
4,4'-DDE	--	--	--	--	3 J	97	--	--	--
Endrin	151	975	--	--	--	66	--	--	--
Endosulfan II	210	--	--	--	--	203	--	--	--
Methoxychlor (Mariate)	--	--	--	--	--	--	--	8	--
alpha-Chlorodane	--	--	--	--	--	--	--	--	--
gamma-Chlorodane	--	--	--	--	--	--	--	--	--
Aroclor-1254	6955	45653	--	--	--	4486	--	--	--
Aroclor-1260	364 J	14273	--	--	--	862	--	--	--

Sauget Sites Area 1
See CERCLIS for ILD #s

SAMPLING POINT	X106	X107	X108	X109	X110	X111	X112	X113	X114
	03-28-91	03-28-91	03-28-91	03-28-91	03-28-91	03-27-91	03-27-91	03-27-91	03-27-91
PARAMETER									
INORGANICS (Water-ppb, soil/sed-p									
Aluminum	14800	15500	15600	14600	12000	21700	9400	10100	20600
Antimony	16.7 B	32 B	14.5 B	--	--	10.8 B	--	--	--
Arsenic	11.2	30.3	10.1	12.2	11.3	19.5	2.2 B	2.6 B	8.9
Barium	337	3690	365	285	174	313	135	152	227
Beryllium	--	--	0.3 B	--	--	--	--	--	--
Cadmium	3.9	23.1	21.9	11.8	1.9	23.5	--	--	--
Calcium	22200	83400	66200	10500	55300	9140	3650	5560	5940
Chromium	39.9	105	29.4	35.4	42.3	37.7	20.2	22.3	33.6
Cobalt	6.3 B	12.7 B	--	--	--	18.8	--	--	10.8 B
Copper	149	8540	1160	404	108	520	10.4	13.2	24.3
Iron	20100	39900	14500	24100	15800	35300	14500	15700	28400
Lead	209	1270	235	140	440	83	7.7	6.3	25.2
Magnesium	6590	7890	7750	4980	5390	5330	2390	2270	4300
Manganese	258	269	1360	386	268	635	429	680	896
Mercury	0.2	1.53	1.27	0.62	0.32	0.34	--	--	--
Nickel	78.5	2130	134	391	56	772	14	17.4	29.3
Potassium	3220	2960	3320	3250	2700	3670	1260 B	1450 B	2730
Selenium	0.7 B	1.4 B	--	--	--	--	--	--	--
Silver	--	8.3	--	--	--	--	--	--	--
Sodium	556 B	--	461 B	312 B	--	--	--	--	--
Thallium	--	--	--	--	--	--	--	--	--
Vanadium	41.2	53.3	29.3	38.2	31.9	54.3	28.4	30.9	50.5
Zinc	704	9970	1740	3140	382	4520	44.7	53.1	120
Sulfate	--	--	--	--	--	--	--	--	--

U.S.E.P.A. DEFINED DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
• J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
• C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
• B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
• D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	not used

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference
• A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
• M	not used	Duplicate injection (a QC parameter) not met.
• N	not used	Spiked sample (a QC parameter) recovery not within control limits.
• S	not used	The reported value was determined by the Method of Standard Additions (MSA).
• W	not used	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
• *	not used	Duplicate analysis (a QC parameter) not within control limits.
• +	not used	Correlation coefficient for MSA (a QC parameter) is less than 0.995.

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• P	not used	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
• CV	not used	Method qualifier indicates analysis by Cold Vapor AA.
• AV	not used	Method qualifier indicates analysis by Automated Cold Vapor AA
• AS	not used	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
• T	not used	Method qualifier indicates Titrimetric analysis.
• NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
• R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

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

MEMORANDUM

DATE: July 10, 1991

TO: Tim Murphy

FROM: Ron Turpin & Jim Shaw Bob State for Jim Shaw

SUBJECT: Review of Data Package
Sauget Sites Area #1

The Division of Laboratories Quality Assurance Section has reviewed the above referenced data package. The package was for 5 water samples, 13 soil samples and 1 trip blank sample taken on March 28, 1991, for the target compound list. The samples were analyzed at the IEPA laboratories in Springfield (organics) and in Champaign (inorganics). The results are valid as qualified on the attached Forms 1.

attachments

cc: John Hurley
Karl Reed
Tom Crause

Printed on Recycled Paper

[illegible] - CLP
CHAIN OF CUSTODY

[illegible] Seal #: 6709

Date Sealed: 3/26/91 By: AWW

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

Site Inventory #: [illegible]
Site Billing Code: SA-06650
Project Manager: TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D1[illegible]	G201	3/27/91	11:25am

Sample Appearance: clear

Collector Comments: TJM Settled ~~Wright~~ well 26' 102 Judith LN. Next door (E.) of Wright's

Sampler Signature: 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	80oz		BNA	N		
2	9	80oz		PEST/PCB	N		

CHAIN OF CUWTODI$GLVDNMGL[$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

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

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

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

I certify that the samples [illegible] collected [illegible] bottles [illegible] each bottle [illegible] sample shipping container [illegible] below.

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

Date: 3/27/91 Time: 11:25 am Seal #: 0006710

Courier - sample pickup:

Courier - sample delivery: [illegible]

I certify that I received the sample shipping container from the courier listed above with the shipping container [illegible] intact and that each bottle in the shipping container was intact. After recording the sample in the official record [illegible] 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 #: 6710 Intact?: (Y) / N

Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

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
D190875	G202	3/27/91	11:55 A

Sample Appearance: clear/partly cloudy (iron)

Collector Comments: Schmidt well 49'

Sampler Signature: 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	80oz		BNA	N		
2	9	80oz		PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

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

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

Date: 3/27/91 Time: 11:43am Seal #: 0006651 Intact?: (Y) / N

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

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

Date: 3/27/91 Time: 12:05pm Seal #: 0006652

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: 3/28/91 Time: 1630 Seal #: 6652 Intact: (Y) / N

Lab Name: EPA Spfld Comments:

CHAIN OF CUSTODY

Seal #: 6653

Date Sealed: 3/26/91 By: AWW

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

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

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D1960	G203	3/27/91	10:40

Sample Appearance : rusty at first clear during purge and sample

Collector Comments: Ballett well ≈ 20' deep

Sampler Signature : 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	80oz		BNA	N		
2	9	80oz		PEST/PCB	N		

59.8

CHAIN OF CUSTODY CHRONICLE

10.27 100

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

7.24

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

Date: 3/27/91 Time: 10:25 am Seal #: 0006653 Intact?: (Y) / N

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

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

Date: 3/27/91 Time: 10:45am Seal #: 0006554

Courier - sample pickup:

Courier - sample delivery:

[illegible] I received the sample shipping container [illegible] that each bottle in the shipping container was intact. After recording the sample in the official record [illegible] [illegible] laboratory personnel [illegible] secured area.

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

Date: 3 28 1991 Time: 1630 Seal #: 6654 Intact? [illegible]

Lab Name: [illegible] Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6651

Date Sealed: 3/26/91 By: RKM

Facility
N : 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
D1908	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				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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

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

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

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

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: 3/28/91 Time: 1630 Seal #: 6658 Intact?: Y / N

Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

[illegible] 1991 D19[illegible] 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

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D19[illegible]	G205	3/27/91	10:00 am

Sample Appearance: Clear

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

Sampler Signature: 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	80oz		BNA	N		
2	9	80oz		PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

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

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

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

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: [illegible] 1991 Time: 1630 Seal #: 6702 Intact?: [illegible] / N

Lab Name: EPA Spfd Comments:

IEPA - CLP
CHAIN OF CUSTODY

8 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:

Collector Comments:

Sampler Signature: Division/Company

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

CHAIN OF CUSTODY CHRONICLE

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

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

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

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: MAR 28 1991 Time: 1630 Seal #: 6710 Intact?: Y / N

Lab Name: EPA Spfd Comments:

IEPA - CLF
CHAIN OF CUSTODY

81991 D190900

Seal #: 6643

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
D190900	X101	3/28/91	1:15p

Sample Appearance : brown soil

Collector Comments: Vernon Shepard property, 25 David St. on N. side 0-6"

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

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

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

Sealed by (print): 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 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

81991

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

Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

[illegible] 1991 [illegible] Seal #: 6643

Date Sealed: 3/26/91 By: RKA

Facility
N[illegible]: SAUGET SITES #1
R[illegible]ion: COLLINSVILLE
County: ST CLAIR

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

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

Sample Appearance : black soil

Collector Comments: W. Schmidt property S. side 0-6"

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

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

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

Courier - sample pickup:

[redacted]

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

Date: [illegible] 1991 Time: 1630 Seal #: 6644 [illegible]

Lab Name: EVA [illegible] Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991 D1909 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
D190902	X103	3/28/91	12:45p

Sample Appearance:

Collector Comments: NW Corner Ballett yard 3300 Falling Springs Rd.

Sampler Signature: Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact

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

Sealed by (print): 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 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): Celestino Geyston Signature: Celestino 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 D19092 Seal #: 6643

Date Sealed: 3/26/91 By: RK/

Facility
N[illegible]: 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
D19092	X104	3/28/91	12:00pm

Sample Appearance :

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

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

Sealed by (print): 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 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

8 1991 D190904

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

Facility
Name : SAUGET SITES #1
Location: 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' Seed

Collector Comments: Dead Creek at Garage on Jerome

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact

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

Sealed by (print): Tim Murphy Signature:

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 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: 8 1991 Time: 1630 Seal #: 6644 Intact?: (Y) N

Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

[illegible] 8 1991 [illegible] Seal #: 6643

Date Sealed: 3/26/91 By: RKN

Facility
N[illegible] : SAUGET SITES #1
R[illegible]on: COLLINSVILLE
County: ST CLAIR

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

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
[illegible]305	X107	3/28/91	10:15am

Sample Appearance : 2' water 0-1.5' sed

Collector Comments: Dead Creek behind 3809 White St.

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact

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

Sealed by (print): 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 [illegible] and seal intact a[illegible] that each bottle in the shipping container was intact. After recording the sample in the [illegible] of competent laboratory personnel at all times or locked in a secured area.

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

Date: [illegible] 8 1991 Time: 1630 Seal #: 6644 Intact?: Y / N

Lab Name: IEPA Spfld Comments:

4 - CLP
CHAIN OF CUSTODY

8 1991 D190906 Seal # 6643

Date Sealed: 3/26/91 By: RKM

Facility
Name: SAUGET SITES #1
Location: 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 Appearance :

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

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 and intact.

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

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

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

Courier - sample pickup:

Delivered - sample delivery: [redacted]

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

Opened by (print): Celestina Gayton Signature: [illegible]

Date: 8 1991 Time: 1:30 Seal #: 6644 Intact?: [illegible]

Lab Name: [illegible] Comments: [illegible]

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991 D190[illegible] Seal #: 6645

Date Sealed: 3/26/91 By: RKM

Facility
N[illegible]: SAUGET SITES #1
R[illegible]on: COLLINSVILLE
County: ST CLAIR

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

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

Sample Appearance :

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

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

te: 3/27/91 Time: 2:50p Seal #: 0006645 Intact?: (Y) / N

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: MAR 28 1991 Time: 1630 Seal #: 6646 [illegible]

Lab Name: EPA Sp/Ld Comments:

IEPA - CLP
CHAIN OF CUSTODY

[illegible] 8 1991 D19[illegible]

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
D190[illegible]	X110	3/28/91	9:05am

Sample Appearance : 4" water 0-1' sed

Collector Comments: Dead Creek at Parks College culvert N. end

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

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

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: [illegible] 8 1991 Time: 1630 Seal #: 6646 Intact?: Y / N

Lab Name: EPA Spfld Comments:

IEPA - CLP
CHAIN OF CUSTODY

MAR 28 1991 D190939

Seal #: 6645

Date Sealed: 3/26/91 By: RK

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
D190939	X111	3/27/91	5:30pm

Sample Appearance : brown silt to sand at depth 1'

Collector Comments: Dead Creek at Wetlands Near N' corner power line pole 1' water

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

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact

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

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

I certify that the sample listed above was collected and placed in bottles in my presence, that each bottle was placed intact in sample 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: 12:30p Seal #: 0006646

Courier - sample pickup:

Courier - sample delivery:

I certify that I received the sample shipping container from the courier listed above with the shipping container and seal intact that each bottle in the shipping container was intact after recording the sample in the [illegible] 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 #: 6646 Intact?: (Y)/ N

Lab Name: EPA Spfd 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-06660
Project Manager : TIM MURPHY

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
D190911	X113	3/27/91	4:25

Sample Appearance : 1.5' deep water 0-½' soft brown 0-2.5' -2' black sludgy into sediment 70

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

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

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

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: MAR 28 1991 Time: 1630 Seal #: 6646 Intact? [illegible]

Lab Name: EPA Spfld Comments:

A - 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
[illegible]	X114	3/27/91	3:45pm

Sample Appearance: Clay Silt

Collector Comments: 3' water in old Prairie du Pont Creek

Sampler Signature: Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	12	2oz		VOA	N		
1	15	32oz		BNA, PEST/PCB	N		

CHAIN OF CUSTODY CHRONICLE

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

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

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

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

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

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

Courier - sample pickup:

Courier - sample delivery:

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

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

Date: [illegible] Time: [illegible] Seal #: 66[illegible] [illegible]

FPA Sched

Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6645

D190910

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	4:40p

Sample Appearance : fine grain gray brown silty clay area around or around and sed tested 7 on HNU

Collector Comments: 2' water 0-1.5 into sed. 200' upstream of entrance of Dead Creek to Old Prairie du Pont Creek

Sampler Signature : Timothy J. Murphy Division/Company IEPA

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(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 and intact.

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

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

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

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

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

Courier - sample pickup:

[redacted]

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

[illegible] 1630 [illegible] 6646 [illegible]

[illegible] Comments: [illegible]

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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
99-09-2	3-Nitroaniline	3800	UJ
83-32-9	Acenaphthene	790	UJ
51-28-5	2,4-Dinitrophenol	3800	UJ
100-02-7	4-Nitrophenol	3800	UJ
132-64-9	Dibenzofuran	790	UJ
121-14-2	2,4-Dinitrotoluene	790	UJ
84-66-2	Diethylphthalate	790	UJ
7005-72-3	4-Chlorophenyl-phenylether	790	UJ
86-73-7	Fluorene	790	UJ
100-10-6	4-Nitroaniline	3800	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	3800	UJ
86-30-6	N-Nitrosodiphenylamine (1)	790	UJ
101-55-3	4-Bromophenyl-phenylether	790	UJ
118-74-1	Hexachlorobenzene	790	UJ
87-86-5	Pentachlorophenol	3800	UJ
85-01-8	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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	8.57	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	52	BJ
8.	UNKNOWN	11.42	35	BJ
9.	UNKNOWN	11.69	260	BJ
10.	UNKNOWN	12.15	83	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	38	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

000097

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	UR
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

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: 30.3 (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
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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.55	37	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.13	3000	BAJ
3.	UNKNOWN	8.55	67	BJ
4.	UNKNOWN	9.70	40	BJ
5.	UNKNOWN	9.77	37	J
6.	UNKNOWN	10.19	51	J
7.	UNKNOWN	10.44	66	BJ
8.	UNKNOWN	10.55	28	J
9.	UNKNOWN	11.22	59	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	86	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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

PC 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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

PC 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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

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

umber 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

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[illegible]4-8	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
1[illegible]4-11-2	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.: D190889

Matrix: (soil/water) SOIL Lab Sample ID: D190893

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402[illegible]

Level: (low/med) LOW Date Received: 03/28[illegible]

% Moisture: not dec. 13 Date Analyzed: 04/02[illegible]

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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

PC 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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

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

umber 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	25	J
10.	UNKNOWN	11.69	230	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	34	J
16.	UNKNOWN ALIP. HYDROCARBON	28.17	18	J
17.	UNKNOWN ALIP. HYDROCARBON	30.47	24	J
18.	UNKNOWN ALIP. HYDROCARBON	33.74	30	J
19.	UNKNOWN ALIP. HYDROCARBON	38.71	39	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 B8
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

C[illegible]8
000059

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: [illegible] EPA Contract: _____

Lab Code: [illegible] 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: AFR22VG04

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
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-Chlbro-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.

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

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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

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

umber 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 BS
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

ıb Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

'C 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	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: AFR22VG01

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

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

umber 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.

X107

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

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	

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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 BS
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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

b Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

C 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	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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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

ab Name: ILLINOIS EPA Contract: _____

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

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

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

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

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

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

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

umber 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:

vel: (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 La. 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

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

ıb Name: ILLINOIS EPA Contract: _____

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

ıtrix: (soil/water) SOIL Lab Sample ID: D190907

ımple wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

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

Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

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

'C 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	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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190907

ample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

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

Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

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

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

umber 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.

X109

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

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:

vel: (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
[illegible]9-00-2	Aldrin	24	U
[illegible]24-57-3	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

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	~~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.

X110

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190[illegible]

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B040[illegible]

Level: (low/med) LOW Date Received: 03/[illegible]

% Moisture: not dec. 25 Date Analyzed: 04/0[illegible]

Column: (pack/cap) WIDE Dilution Factor: 1.0[illegible]

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.

SEMIVOLATILE ORGANICS 1B ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190908

ample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

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

Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

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

PC 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.

X110

Lab Name: ILLINOIS EPA Contract:

Lab Code: SPRFLD Case No.: SAUGET SAS No.: SDG No.: D19

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

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22V

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

% Moisture: not dec. 25 dec. Date Extracted: 03/29/

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

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

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

CAS NO.	COMPOUND		
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

EPA SAMPLE NO.

X110

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190908

ample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

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

Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

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

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

umber 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

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: I.E.P.A. - Springfield Contract: SAMPLE X110

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
[illegible]-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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	19	U
74-83-9	Bromomethane	19	U
75-01-4	Vinyl Chloride	19	U
75-00-3	Chloroethane	19	U
75-09-2	Methylene Chloride	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	~~UR~~
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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190909

ample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

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

Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

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

PC 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

EPA SAMPLE NO.

X111

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190909

ample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

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

Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

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

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

umber 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.

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

X111

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

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

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190910

ample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

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

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

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

PC 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

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190910

ample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

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

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

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

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

umber 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

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190910

ample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

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

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

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

PC 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

(i) - 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
	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

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

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	~~J~~R 8
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.: D19088

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0402I607

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190911

ample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

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

Moisture: not dec. 31 dec. ____ Date Extracted: 03/29/91

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

PC 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
	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

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

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	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	UR
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

1L

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190912

ample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

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

Moisture: not dec. 35 dec. ____ Date Extracted: 03/29/91

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

PC 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	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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1

Lab Code: ——— Case No.: ——— SAS No.: ——— SDG No.: —46—

SOW No.: 7/87 Rev. 12/87

EPA Sample No.	Lab Sample ID
B104062D	G204D
B104062S	G204S
B104063	G203
B104064	G205
B104065	G201
B104066	G202
B104067D	X101D
B104067S	X101S
B104068	X102
B104069	X103
B104070	X104
B104071	X106
B104072	X107
B104073	X108
B104074	X109
B104075	X110
B104076	X111
B104077	X112
B104078	X113
B104079	X114

W e ICP interelement corrections applied? Yes ——

Were ICP background corrections applied? Yes ——
If yes, were raw data generated before application of background corrections? No ——

Comments: ——Digestion for ICP and furnace metals was done by microwave——— digestion with 1.0 ML of 1:1 HCL added. Second CCV failed on aluminum and——— iron. Did not catch until after the fact.———

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: [signature]
Date: 5/30/91

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IEPA LABORATORIES
Manager's Office

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Water): Lab Sample ID: B104062
Level (Low/Med): Date Received: 3/28/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62	U		P	
7440-36-0	Antimony	32	U		P	
7440-38-2	Arsenic	3.9	B		F	
7440-39-3	Barium	502			P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	2.1	U		P	
7440-70-2	Calcium	145000			P	
7440-47-3	Chromium	3.1	U		P	
7440-48-4	Cobalt	4.3	~~B~~		P	
7440-50-8	Copper	14	U		P	
7439-89-6	Iron	166			P	J
7439-92-1	Lead	3.3			F	
7439-95-4	Magnesium	37600			P	
7439-96-5	Manganese	39			P	
7439-97-6	Mercury	0.11	U		AV	
7440-02-2	Nickel	11	U		P	
7440-09-7	Potassium	5420			P	
7782-49-2	Selenium	2.7	B	E,N	F	J
7440-22-4	Silver	3.3	U		P	
7440-23-5	Sodium	14600			P	
7440-28-0	Thallium	2.4	U		F	
7440-62-2	Vanadium	2.3	U		P	
7440-66-6	Zinc	38			P	
	Cyanide	10	U		AS	
	Sulfide	1000	U		T	
	Sulfate	48800			AS	

Color Before: Colorless Clarity Before: Clear Texture:
Color After: Colorless Clarity After: Clear Artifacts:
Comments: SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

FORM I - IN
WATER

7/87 Rev. IFB
Amendment One

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Water): Lab Sample ID: B104063
Level (Low/Med): Date Received: 3/28/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62	U		P	
7440-36-0	Antimony	55	B		P	
7440-38-2	Arsenic	1.3	U		F	
7440-39-3	Barium	89	~~B~~ U		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	2.1	U		P	
7440-70-2	Calcium	164000			P	
7440-47-3	Chromium	4.9	~~B~~ U		P	
7440-48-4	Cobalt	8.5	~~B~~ U		P	
7440-50-8	Copper	14	U		P	
7439-89-6	Iron	400			P	J
7439-92-1	Lead	1.5	U		F	
7439-95-4	Magnesium	25800			P	
7439-96-5	Manganese	2750			P	
7439-97-6	Mercury	0.11	U		AV	
7440-02-2	Nickel	11	U		P	
7440-09-7	Potassium	6330			P	
7782-49-2	Selenium	1.3	B	E,N	F	J
7440-22-4	Silver	3.3	U		P	
7440-23-5	Sodium	6240			P	
7440-28-0	Thallium	3.1	B	W	F	
7440-62-2	Vanadium	2.3	U		P	
7440-66-6	Zinc	58			P	
	Cyanide	10	U		AS	
	Sulfide	1000	U		T	
	Sulfate	93000			AS	

Color Before: -Colorless- Clarity Before: Clear Texture:
Color After: -Colorless- Clarity After: Clear Artifacts:
Comments: SULFIDE SW846 METHODOLOGY
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EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Water): Lab Sample ID: B104064
Level (Low/Med): Date Received: 3/28/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	96	B		P
7440-36-0	Antimony	32	U		P
7440-38-2	Arsenic	9.2	B		F
7440-39-3	Barium	23	~~B~~ U		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	2.1	U		P
7440-70-2	Calcium	11900			P
7440-47-3	Chromium	4	~~B~~ U		P
7440-48-4	Cobalt	2.7	U		P
7440-50-8	Copper	75			P
7439-89-6	Iron	724			P
7439-92-1	Lead	11		S	F
7439-95-4	Magnesium	1710	~~B~~ U		P
7439-96-5	Manganese	100			P
7439-97-6	Mercury	0.11	U		AV
7440-02-2	Nickel	11	U		P
7440-09-7	Potassium	3150	~~B~~ U		P
7782-49-2	Selenium	0.8	B	W,N	F
7440-22-4	Silver	3.3	U		P
7440-23-5	Sodium	1070	~~B~~ U		P
7440-28-0	Thallium	2.4	U		F
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	658			P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	13000			AS

Color Before: Colorless Clarity Before: Clear Texture:
Color After: Colorless Clarity After: Clear Artifacts:
Comments: SULFIDE SW846 METHODOLOGY
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EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Water): Lab Sample ID: B104065
Level (Low/Med): Date Received: 3/28/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62	U		P	
7440-36-0	Antimony	32	U		P	
7440-38-2	Arsenic	1.6	U ~~B~~		F	
7440-39-3	Barium	130	U ~~B~~		P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	2.1	U		P	
7440-70-2	Calcium	141000			P	
7440-47-3	Chromium	5.9	U ~~B~~		P	
7440-48-4	Cobalt	6.2			P	
7440-50-8	Copper	14	U		P	
7439-89-6	Iron	977			P	J
7439-92-1	Lead	6.7			F	
7439-95-4	Magnesium	32100			P	
7439-96-5	Manganese	712			P	
7439-97-6	Mercury	0.11	U		AV	
7440-02-2	Nickel	11	U		P	
7440-09-7	Potassium	4340	B		P	
7782-49-2	Selenium	1.3	B	E,N	F	J
7440-22-4	Silver	3.3	U		P	
7440-23-5	Sodium	20900			P	
7440-28-0	Thallium	2.4	B		F	
7440-62-2	Vanadium	2.3	U		P	
7440-66-6	Zinc	580			P	
	Cyanide	10	U		AS	
	Sulfide	1000	U		T	
	Sulfate	95000			AS	

Color Before: Colorless Clarity Before: Clear Texture:
Color After: Colorless Clarity After: Clear Artifacts:
Comments: SULFIDE SW846 METHODOLOGY
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EPA SAMPLE NO.
G202

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Water): Lab Sample ID: B104066
Level (Low/Med): Date Received: 3/28/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	62	U		P	
7440-36-0	Antimony	54	B		P	
7440-38-2	Arsenic	10.9			F	
7440-39-3	Barium	273			P	
7440-41-7	Beryllium	0.2	U		P	
7440-43-9	Cadmium	2.1	U		P	
7440-70-2	Calcium	202000			P	
7440-47-3	Chromium	4	~~B~~ U		P	
7440-48-4	Cobalt	3.3	~~B~~ U		P	
7440-50-8	Copper	14	U		P	
7439-89-6	Iron	21700			P	J
7439-92-1	Lead	1.5	U		F	
7439-95-4	Magnesium	41600			P	
7439-96-5	Manganese	1590			P	
7439-97-6	Mercury	0.11	U		AV	
7440-02-2	Nickel	11	U		P	
7440-09-7	Potassium	7110			P	
7782-49-2	Selenium	0.8	U	E,N	F	R
7440-22-4	Silver	3.3	U		P	
7440-23-5	Sodium	24400			P	
7440-28-0	Thallium	4.7	B		F	
7440-62-2	Vanadium	2.3	U		P	
7440-66-6	Zinc	7.3	U		P	
	Cyanide	10	U		AS	
	Sulfide	1000	U		T	
	Sulfate	146000			AS	

Color Before: Colorless Clarity Before: Clear Texture:
Color After: Colorless Clarity After: Clear Artifacts:
Comments: SULFIDE SW846 METHODOLOGY
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EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104067
Level (Low/Med): Date Received: 3/28/91
% Solids: 83.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300			P
7440-36-0	Antimony	7.8	U	N	P
7440-38-2	Arsenic	13.6		S	F
7440-39-3	Barium	226			P
7440-41-7	Beryllium	0.05	U		P
7440-43-9	Cadmium	4.9			P
7440-70-2	Calcium	8540			P
7440-47-3	Chromium	31.9			P
7440-48-4	Cobalt	6	B		P
7440-50-8	Copper	110			P
7439-89-6	Iron	19400			P
7439-92-1	Lead	80		*	F
7439-95-4	Magnesium	4550			P
7439-96-5	Manganese	419		N	P
7439-97-6	Mercury	0.07			AS
7440-02-2	Nickel	23			P
7440-09-7	Potassium	3320			P
7782-49-2	Selenium	0.2	U	W	F
7440-22-4	Silver	0.8	U		P
7440-23-5	Sodium	180	~~B~~ U		P
7440-28-0	Thallium	0.9	~~B~~ U		F
7440-62-2	Vanadium	35.1			P
7440-66-6	Zinc	575			P
	Cyanide	1.0	U		AS

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104068
Level (Low/Med): Date Received: 3/28/91
% Solids: 79.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	13300			P	
7440-36-0	Antimony	8.5	U	N	P	J
7440-38-2	Arsenic	10.3			F	J
7440-39-3	Barium	215			P	
7440-41-7	Beryllium	0.05	U		P	
7440-43-9	Cadmium	3.5			P	
7440-70-2	Calcium	5460			P	
7440-47-3	Chromium	26.6			P	
7440-48-4	Cobalt	7.2	B		P	
7440-50-8	Copper	125			P	
7439-89-6	Iron	18800			P	
7439-92-1	Lead	276		*	F	
7439-95-4	Magnesium	3650			P	
7439-96-5	Manganese	518		N	P	J
7439-97-6	Mercury	0.07			AS	
7440-02-2	Nickel	21.4			P	
7440-09-7	Potassium	3280			P	
7782-49-2	Selenium	0.9	B	S	F	
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	133	U ~~B~~		P	
7440-28-0	Thallium	1.5	U ~~B~~		F	
7440-62-2	Vanadium	36.5			P	
7440-66-6	Zinc	362			P	
	Cyanide	1.0	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104069
Level (Low/Med): Date Received: 3/28/91
% Solids: 70.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10100			P
7440-36-0	Antimony	13.8	B	N	P
7440-38-2	Arsenic	10.7		S	F
7440-39-3	Barium	191			P
7440-41-7	Beryllium	0.06	U		P
7440-43-9	Cadmium	8.5			P
7440-70-2	Calcium	7210			P
7440-47-3	Chromium	38.7			P
7440-48-4	Cobalt	4.5	B		P
7440-50-8	Copper	167			P
7439-89-6	Iron	15500			P
7439-92-1	Lead	202		*	F
7439-95-4	Magnesium	3020			P
7439-96-5	Manganese	402		N	P
7439-97-6	Mercury	0.2			AS
7440-02-2	Nickel	19.9			P
7440-09-7	Potassium	2390			P
7782-49-2	Selenium	0.6	~~B~~ U	W	F
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	221	~~B~~ U		P
7440-28-0	Thallium	0.9	~~B~~ U		F
7440-62-2	Vanadium	29.1			P
7440-66-6	Zinc	738			P
	Cyanide	1.2	U		AS

Color Before: Black Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.
X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104070
Level (Low/Med): Date Received: 3/28/91
% Solids: 87.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7620			P	
7440-36-0	Antimony	15.5	B	N	P	J
7440-38-2	Arsenic	7.5		S	F	J
7440-39-3	Barium	185			P	
7440-41-7	Beryllium	0.05	U		P	
7440-43-9	Cadmium	0.8	B		P	
7440-70-2	Calcium	34200			P	
7440-47-3	Chromium	19.5			P	
7440-48-4	Cobalt	4.2	B		P	
7440-50-8	Copper	18.7			P	
7439-89-6	Iron	12400			P	
7439-92-1	Lead	51		*	F	
7439-95-4	Magnesium	8340			P	
7439-96-5	Manganese	277		N	P	J
7439-97-6	Mercury				AS	
7440-02-2	Nickel	18.2			P	
7440-09-7	Potassium	1990			P	
7782-49-2	Selenium	0.2	U	W	F	
7440-22-4	Silver	0.8	U		P	
7440-23-5	Sodium	231	U		P	
7440-28-0	Thallium	0.6	U		F	
7440-62-2	Vanadium	22.4			P	
7440-66-6	Zinc	161			P	
	Cyanide	0.96	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104071
Level (Low/Med): Date Received: 3/28/91
% Solids: 66.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14800			P	
7440-36-0	Antimony	16.7	B	N	P	
7440-38-2	Arsenic	11.2		S	F	
7440-39-3	Barium	337			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	3.9			P	
7440-70-2	Calcium	22200			P	
7440-47-3	Chromium	39.9			P	
7440-48-4	Cobalt	6.3	B		P	
7440-50-8	Copper	149			P	
7439-89-6	Iron	20100			P	
7439-92-1	Lead	209		*	F	
7439-95-4	Magnesium	6590			P	
7439-96-5	Manganese	258		N	P	
7439-97-6	Mercury	0.2			AS	
7440-02-2	Nickel	78.5			P	
7440-09-7	Potassium	3220			P	
7782-49-2	Selenium	0.7	B	W	F	
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	556	B		P	
7440-28-0	Thallium	1.2	~~U~~ B		F	
7440-62-2	Vanadium	41.2			P	
7440-66-6	Zinc	704			P	
	Cyanide	1.2	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Cloudy Artifacts:
Comments:

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EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104072
Level (Low/Med): Date Received: 3/28/91
% Solids: 52.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15500			P	
7440-36-0	Antimony	32	B	N	P	
7440-38-2	Arsenic	30.3		S	F	J
7440-39-3	Barium	3690			P	
7440-41-7	Beryllium	0.07	U		P	
7440-43-9	Cadmium	23.1			P	
7440-70-2	Calcium	83400			P	
7440-47-3	Chromium	105			P	
7440-48-4	Cobalt	12.7	B		P	
7440-50-8	Copper	8540			P	
7439-89-6	Iron	39900			P	
7439-92-1	Lead	1270		*	F	
7439-95-4	Magnesium	7890			P	
7439-96-5	Manganese	269		N	P	
7439-97-6	Mercury	1.53			AS	
7440-02-2	Nickel	2130			P	
7440-09-7	Potassium	2960			P	
7782-49-2	Selenium	1.4	B	W	F	
7440-22-4	Silver	8.3			P	
7440-23-5	Sodium	227	~~B~~ U		P	
7440-28-0	Thallium	2.1	~~B~~ U	W	F	
7440-62-2	Vanadium	53.3			P	
7440-66-6	Zinc	9970			P	
	Cyanide	1.6	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Cloudy Artifacts:
Comments:

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EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104073
Level (Low/Med): Date Received: 3/28/91
% Solids: 70.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	15600			P	
7440-36-0	Antimony	14.5	B	N	P	J
7440-38-2	Arsenic	10.1		S	F	J
7440-39-3	Barium	365			P	
7440-41-7	Beryllium	0.3	B		P	
7440-43-9	Cadmium	21.9			P	
7440-70-2	Calcium	66200			P	
7440-47-3	Chromium	29.4			P	
7440-48-4	Cobalt	3.3	~~B~~ U		P	
7440-50-8	Copper	1160			P	
7439-89-6	Iron	14500			P	
7439-92-1	Lead	235		*	F	
7439-95-4	Magnesium	7750			P	
7439-96-5	Manganese	1360		N	P	J
7439-97-6	Mercury	1.27			AS	
7440-02-2	Nickel	134			P	
7440-09-7	Potassium	3320			P	
7782-49-2	Selenium	0.2	U	W	F	
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	461	B		P	
7440-28-0	Thallium	0.9	~~B~~ U	W	F	
7440-62-2	Vanadium	29.3			P	
7440-66-6	Zinc	1740			P	
	Cyanide	1.2	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.
X109

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104074
Level (Low/Med): Date Received: 3/28/91
% Solids: 68.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14600			P	
7440-36-0	Antimony	9.3	U	N	P	J
7440-38-2	Arsenic	12.2		S	F	J
7440-39-3	Barium	285			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	11.8			P	
7440-70-2	Calcium	10500			P	
7440-47-3	Chromium	35.4			P	
7440-48-4	Cobalt	7.5	~~B~~ U		P	
7440-50-8	Copper	404			P	
7439-89-6	Iron	24100			P	
7439-92-1	Lead	140		S,*	F	
7439-95-4	Magnesium	4980			P	
7439-96-5	Manganese	386		N	P	J
7439-97-6	Mercury	0.62			AS	
7440-02-2	Nickel	391			P	
7440-09-7	Potassium	3250			P	
7782-49-2	Selenium	0.3	~~B~~ U	W	F	
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	312	B		P	
7440-28-0	Thallium	1.1	~~B~~ U		F	
7440-62-2	Vanadium	38.2			P	
7440-66-6	Zinc	3140			P	
	Cyanide	1.2	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104075
Level (Low/Med): Date Received: 3/28/91
% Solids: 72.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12000			P	
7440-36-0	Antimony	9.0	U	N	P	J
7440-38-2	Arsenic	11.3		S	F	J
7440-39-3	Barium	174			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	1.9			P	
7440-70-2	Calcium	55300			P	
7440-47-3	Chromium	42.3			P	
7440-48-4	Cobalt	4.6	U ~~B~~		P	
7440-50-8	Copper	108			P	
7439-89-6	Iron	15800			P	
7439-92-1	Lead	440		S,*	F	
7439-95-4	Magnesium	5390			P	
7439-96-5	Manganese	268		N	P	J
7439-97-6	Mercury	0.32			AS	
7440-02-2	Nickel	56			P	
7440-09-7	Potassium	2700			P	
7782-49-2	Selenium	0.2	U	E	F	
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	121	U ~~B~~		P	
7440-28-0	Thallium	1.3	U ~~B~~		F	
7440-62-2	Vanadium	31.9			P	
7440-66-6	Zinc	382			P	
	Cyanide	1.2	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
X111

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104076
Level (Low/Med): Date Received: 3/28/91
% Solids: 65.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	21700			P	
7440-36-0	Antimony	10.8	B	N	P	J
7440-38-2	Arsenic	19.5			F	J
7440-39-3	Barium	313			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	23.5			P	
7440-70-2	Calcium	9140			P	
7440-47-3	Chromium	37.7			P	
7440-48-4	Cobalt	18.8			P	
7440-50-8	Copper	520			P	
7439-89-6	Iron	35300			P	
7439-92-1	Lead	83		*	F	
7439-95-4	Magnesium	5330			P	
7439-96-5	Manganese	635		N	P	J
7439-97-6	Mercury	0.34			AS	
7440-02-2	Nickel	772			P	
7440-09-7	Potassium	3670			P	
7782-49-2	Selenium	0.4	~~B~~ U	W	F	
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	190	~~B~~ U		P	
7440-28-0	Thallium	1.1	~~B~~ U		F	
7440-62-2	Vanadium	54.3			P	
7440-66-6	Zinc	4520			P	
	Cyanide	1.3	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104077
Level (Low/Med): Date Received: 3/28/91
% Solids: 76.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9400			P	
7440-36-0	Antimony	8.2	U	N	P	J
7440-38-2	Arsenic	2.2	B		F	J
7440-39-3	Barium	135			P	
7440-41-7	Beryllium	0.05	U		P	
7440-43-9	Cadmium	0.5	U		P	
7440-70-2	Calcium	3650			P	
7440-47-3	Chromium	20.2			P	
7440-48-4	Cobalt	5.3	~~B~~ U		P	
7440-50-8	Copper	10.4			P	
7439-89-6	Iron	14500			P	
7439-92-1	Lead	7.7		*	F	
7439-95-4	Magnesium	2390			P	
7439-96-5	Manganese	429		N	P	J
7439-97-6	Mercury	0.03	U		AS	
7440-02-2	Nickel	14			P	
7440-09-7	Potassium	1260	B		P	
7782-49-2	Selenium	0.2	U	W	F	
7440-22-4	Silver	0.8	U		P	
7440-23-5	Sodium	75.2	~~B~~ U		P	
7440-28-0	Thallium	0.6	~~U~~ U		F	
7440-62-2	Vanadium	28.4			P	
7440-66-6	Zinc	44.7			P	
	Cyanide	1.1	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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B00007

U.S. EPA - CLP
1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
X113

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA 1
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104078
Level (Low/Med): Date Received: 3/28/91
% Solids: 60.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	10100			P	
7440-36-0	Antimony	11	U	N	P	J
7440-38-2	Arsenic	2.6	B		F	J
7440-39-3	Barium	152			P	
7440-41-7	Beryllium	0.07	U		P	
7440-43-9	Cadmium	0.7	U		P	
7440-70-2	Calcium	5560			P	
7440-47-3	Chromium	22.3			P	
7440-48-4	Cobalt	6.2	~~B~~ U		P	
7440-50-8	Copper	13.2			P	
7439-89-6	Iron	15700			P	
7439-92-1	Lead	6.3		*	F	
7439-95-4	Magnesium	2270			P	
7439-96-5	Manganese	680		N	P	J
7439-97-6	Mercury	0.04	U		AS	
7440-02-2	Nickel	17.4			P	
7440-09-7	Potassium	1450	B		P	
7782-49-2	Selenium	0.3	U		F	
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	102	~~B~~ U		P	
7440-28-0	Thallium	0.8	U		F	
7440-62-2	Vanadium	30.9			P	
7440-66-6	Zinc	53.1			P	
	Cyanide	1.4	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: SAUGET SITES AREA
Lab Code: Case No.: SAS No.: SDG No.: 46
Matrix (Soil): Lab Sample ID: B104079
Level (Low/Med): Date Received: 3/28/91
% Solids: 69.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	20600			P	
7440-36-0	Antimony	9.0	U	N	P	J
7440-38-2	Arsenic	8.9			F	J
7440-39-3	Barium	227			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	0.6	U		P	
7440-70-2	Calcium	5940			P	
7440-47-3	Chromium	33.6			P	
7440-48-4	Cobalt	10.8	B		P	
7440-50-8	Copper	24.3			P	
7439-89-6	Iron	28400			P	
7439-92-1	Lead	25.2		*	F	
7439-95-4	Magnesium	4300			P	
7439-96-5	Manganese	896		N	P	J
7439-97-6	Mercury	0.03	U		AS	
7440-02-2	Nickel	29.3			P	
7440-09-7	Potassium	2730			P	
7782-49-2	Selenium	0.2	U	W	F	
7440-22-4	Silver	0.9	U		P	
7440-23-5	Sodium	73.8	~~B~~ U		P	
7440-28-0	Thallium	1.1	~~B~~ U		F	
7440-62-2	Vanadium	50.5			P	
7440-66-6	Zinc	120			P	
	Cyanide	1.2	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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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 28 1991
IEPA LABORATORIES
Manager's Office

Volatile data :

Acetone was out of the instrument calibration range for the low run of X103 but below the detection limit for the medium run. GC

Semivolatile data :

Two TIC compound names in G205 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

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	~~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

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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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

FORM I PEST 1/87 Rev.

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

Sa e 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

Gr 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-[illegible]-9	gamma-BHC (Lindane)	0.05	U
76-[illegible]-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
3[illegible]-35-2	Toxaphene	1.00	U
1[illegible]4-11-2	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~~ B
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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LAB 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: _____

b 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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-[illegible]-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
[illegible]4-11-2	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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~~ BR
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.: D190889

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0403BR04

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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.

G20[illegible]

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D190889

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

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02G[illegible]

Level: (low/med) LOW Date Received: 03/28/9[illegible]

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/9[illegible]

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/9[illegible]

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

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

CAS NO.	COMPOUND		
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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

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
[illegible]-84-6	alpha-BHC	0.05	U
[illegible]-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-[illegible]5-9	4,4'-DDE	0.10	U
72-[illegible]0-8	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 RS
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

000927

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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	[illegible]	[illegible]

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

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