US EPA RECORDS CENTER REGION 5
493272

0990300001
Old LaSalle Dump
ILD 984774950
Superfund/RRS
Volume 2 of 2

CERCLA

Screening Site Inspection Analytical Results

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

Confidential Material May be Enclosed

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APPENDIX F

ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES

SITE NAME: Old LaSalle Dump
ILD NUMBER: 984774950

TABLE F-1
SUMMARY

SAMPLING POINT	X 101	X 102	X 103	X 104	X 105	X 106	X 107	X 108
PARAMETER	background	sediment	sediment	sediment	sediment	soil	soil	soil
VOLATILES ug/Kg								
Methylene Chloride	--	--	--	--	--	130.0	250.0 D	--
Acetone	--	--	--	--	--	--		--
2-Butanone (MEK)	--	--	--	--	--	--		--
Toluene	6.0 J	--	--	--	--	24.0 J		8.0 J
Styrene	--	--	--	--	--	--		--
Xylene(total)	--	--	--	--	--	4.0 J	11.0 DJ	--
SEMIVOLATILES ug/Kg								
Phenanthrene	--	--	--	--	--	--	--	280.0 J
Anthracene	--	--	--	--	--	--	--	--
Fluoranthene	48.0 J	--	160.0 J	230.0 J	170.0 J	--	--	--
Pyrene	48.0 J	--	180.0 J	230.0 J	200.0 J	--	--	--
Benzo(a)anthracene	--	--	--	150.0 J	--	--	--	370.0 J
Chrysene	--	--	--	--	--	--	--	430.0 J
bis(2-Ethylhexyl)phthalate	--	--	150.0 J	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	350.0 J	350.0 J	--	--	1100.0
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--
PESTICIDES ug/Kg								
delta-BHC	--	--	--	7.3 P	--	--	8800.0 P	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--	5700.0 P
Heptachlor	--	--	--	--	--	--	7900.0 P	--
Aldrin	--	--	--	380.0 P	470.0 P	--	--	--
Heptachlor epoxide	--	--	--	--	--	5900.0 P	15000.0 P	--
Endosulfan I	--	--	--	--	--	15000.0	16000.0 P	--
Dieldrin	--	--	--	--	--	15000.0	16000.0 P	--
4,4'-DDE	33.0	--	--	--	--	20000.0 P	--	--
Endrin	7.2 J	9.8 P	14.0 P	60.0 PJ	72.0 PJ	4.3 R	4.3 R	--
Endosulfan II	1.2 JP	8.3 P	2.3 JP	11.0 P	13.0 P	7300.0 P	8100.0 P	1800.0 P
4,4'-DDD	--	6.8 P	--	4.9 JP	4.1 JP	1900.0 P	2500.0 P	--
Endosulfan sulfate	--	--	--	--	--	--	--	--
4,4'-DDT	16.0 P	7.0 P	4.5 JP	13.0 P	14.0 P	11000.0 P	15000.0 P	2200.0 P
Methoxychlor (Mariate)	--	--	--	--	--	--	--	37.0 P
Endrin Ketone	--	--	--	6.7 P	1.9 JP	110.0 P	150.0 P	12.0 P
alpha-Chlordane	--	8.4 P	9.1 P		--	--	--	4700.0 P
gamma-Chlordane	--	2.4 JP	2.3 JP	2.9 JP	--	1200.0 P	--	360.0 P
Toxaphene	--	--	--	--	600.0 P	--	--	--
Aroclor-1221	--	--	--	--	92.0 JP	29000.0 P	34000.0 P	29000.0
Aroclor-1232	130.0 P	--	--	--	--	--	--	--
Aroclor-1248	--	--	--	7500.0 P	7800.0 P	--	--	--
Aroclor-1254	--	--	--	1200.0	1300.0	--	--	--
Aroclor-1260	--	--	--	730.0	820.0	--	--	38000.0 P
INORGANICS mg/Kg								
Aluminum	23300.0	19100.0	25600.0	25800.0	25600.0	27500.0	31600.0	26500.0
Arsenic	13.3	10.8	15.6	14.7	19.5	40.0	17.5	15.2
Barium	163.0	153.0	212.0	213.0	216.0	383.0	597.0	300.0
Beryllium	0.9	1.0	1.3	1.3	1.3	0.6	0.9	0.9
Cadmium	7.7	4.9	4.8	4.0	4.6	10.6	10.3	9.3
Calcium	5120.0	39800.0	21100.0	24000.0	15300.0	22100.0	37200.0	20600.0
Chromium	29.4	57.4	72.0	71.2	70.7	99.2	83.9	106.0
Cobalt	12.2	10.7	12.9	13.0	12.4	22.0	13.9	14.7
Copper	29.9	55.1	58.3	53.1	53.0	476.0	476.0	1310.0
Iron	25700.0	26000.0	34000.0	33800.0	35500.0	209000.0	107000.0	110000.0
Lead	44.5	75.4	84.4	86.7	217.0	1021.0	1042.0	492.0
Magnesium	3640.0	15300.0	10600.0	11300.0	8760.0	6800.0	15000.0	6740.0
Manganese	676.0	582.0	672.0	803.0	1000.0	1530.0	1380.0	1370.0
Mercury	0.0 B	0.4	0.5	0.4	0.5	0.8	0.5	0.4
Nickel	23.0	39.2	52.0	47.3	44.9	80.5	79.0	86.5
Potassium	2090.0	3750.0	4230.0	4420.0	4120.0	1770.0	2670.0	2780.0
Selenium	--	--	1.4	2.0	--	0.9	1.2	0.3 B
Silver	--	--	--	--	--		--	--
Sodium	--	--	--	--	--	--	469.0	--
Thallium	0.4 B	--	--	--	--	--	--	--
Vanadium	46.1	37.7	48.0	48.4	48.7	34.0	35.2	40.9
Zinc	812.0	487.0	539.0	569.0	713.0	2130.0	2500.0	2260.0
Cyanide	--	1.9	--	--	--	--	--	--

SITE NAME: Old LaSalle Dump
ILD NUMBER: 984774950

TABLE F-1
SUMMARY cont.

SAMPLING POINT	X 109	X 110	X111	X 112	X 113	X 114
PARAMETER	soil	soil	soil	soil	soil	soil
VOLATILES ug/Kg						
Methylene Chloride	120.0	230.0	71.0	--	59.0	120.0
Acetone	--	--	--	--	--	--
2-Butanone (MEK)	--	--	--	--	--	--
Toluene	19.0	17.0 J	3.0 J	--	6.0 J	14.0
Styrene	--	--	--	--	--	3.0 J
Xylene(total)	--	--	4.0 J	--	--	6.0 J
SEMIVOLATILES ug/Kg						
Phenanthrene	1300.0 J	6600.0 DJ	960.0 J	960.0 J	310.0 J	--
Anthracene	--	960.0 DJ		--	--	--
Fluoranthene	1700.0 J	6500.0 DJ	1200.0 J	1200.0 J	530.0	--
Pyrene	2000.0 J	7000.0 DJ	1200.0 J	1200.0 J	500.0	--
Benzo(a)anthracene	1000.0 J	3300.0 DJ		--	--	--
Chrysene	1100.0 J		--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--
Benzo(b)fluoranthene	--	2500.0 DJ		--	280.0 J	--
Benzo(k)fluoranthene	--	2800.0 DJ		--	--	--
Benzo(a)pyrene	--	2700.0 DJ		--	--	--
Indeno(1,2,3-cd)pyrene	--	1300.0 DJ		--	--	--
Benzo(g,h,i)perylene	--	3000.0	--	--	--	--
PESTICIDES ug/Kg						
delta-BHC	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	--
Aldrin	8400.0 P	210.0 P	200.0 P	170.0 P	210.0 P	470.0 P
Heptachlor epoxide	--	7.5 P	--	--	--	--
Endosulfan I	--	--	--	--	--	--
Dieldrin	--	--	--	--	--	--
4,4'-DDE	--	--	490.0	--	--	--
Endrin		--	260.0 J	4.9 R	--	390.0 P
Endosulfan II	490.0 P	57.0 P	--	9.2 P	14.0 P	110.0 P
4,4'-DDD	190.0	57.0 P	300.0 P	--	--	40.0 P
Endosulfan sulfate	53.0 P	--	4.7 P	3.6 JP	--	24.0 P
4,4'-DDT	770.0 P	8.1 P	2000.0 P	12.0 P	30.0 P	150.0 P
Methoxychlor (Mariate)	--	--	--	--	--	--
Endrin Ketone	--	35.0 PJN	38.0 P	8.0 PJN	--	--
alpha-Chlordane	--	--	590.0 J	3.5 J	--	--
gamma-Chlordane	100.0 P	85.0 P	340.0 PJ	--	1.6 JP	22.0 PJ
Toxaphene	--	--	3600.0 P	--	--	2200.0 P
Aroclor-1221	1800.0 P	--	240.0 P	--	--	--
Aroclor-1232	--	--	--	--	--	--
Aroclor-1248	160000.0 P	6400.0 P	6700.0 P	4500.0 P	6300.0 P	11000.0 P
Aroclor-1254	--	1700.0 P	3000.0 P	770.0 P	1000.0 P	4400.0 P
Aroclor-1260	13000.0 P	--	1500.0	--	--	--
INORGANICS mg/Kg						
Aluminum	28000.0	10600.0	12600.0	19200.0	19700.0	14100.0
Arsenic	14.4	18.3	11.2	13.4	8.2	13.3
Barium	145.4	159.0	1220.0	300.0	194.0	181.0
Beryllium	2.2	2.2	0.8	1.3	1.0	0.9
Cadmium	24.4	214.0	9.2	2.8	--	6.3
Calcium	18200.0	9410.0	63600.0	44700.0	29000.0	25900.0
Chromium	43.2	25.3	35.8	39.4	31.3	417.0
Cobalt	13.0	27.5	8.3	14.5	9.6	29.8
Copper	69.9	300.0	111.0	52.5	30.6	2230.0
Iron	54500.0	67700.0	22200.0	28900.0	22800.0	200000.0
Lead	377.0	879.0	878.0	537.0	41.9	669.0
Magnesium	9000.0	2760.0	19000.0	11400.0	6970.0	6580.0
Manganese	339.0	503.0	541.0	914.0	531.0	1410.0
Mercury	3.1	2.4	1.0	0.1 B	0.1 B	0.2
Nickel	53.0	47.3	49.0	36.3	28.9	330.0
Potassium	4160.0	2190.0	2710.0	3460.0	2580.0	1630.0
Selenium	458.0 B	2.5	--	--	--	0.5
Silver	0.7 B	--	--	--	--	--
Sodium	48.7	524.0	--	--	--	300.0 B
Thallium	5560.0	--	--	--	--	--
Vanadium	--	31.9	26.6	36.8	37.8	29.7
Zinc	--	29900.0	1810.0	999.0	167.0	2280.0
Cyanide	--	--	--	--	--	--

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Date: August 21, 1992

Subject: Review of CLP Data

From: Ron Turpin
Contract Laboratories Administrator
Division of Laboratories

To: Data User: Pete Sorensen

The Quality Assurance Section has reviewed the following data package(s):

SITE NAME: Old Lasalle Dump 13-Jul-92

CASE/SDG No.: 216890 / 74

Date(s) Received for Review: 05-Aug-92

No. of Samples: 15 soils

Laboratory(s): IEPA

Hours Used for Review: 37.5 hrs.

Reviewer(s): Chris Bridges
Alicia Mudd

The following narrative represents our findings:

the results on the enclosed Forms 1 are valid as qualified.

- ☐ Data are acceptable for use.
- ☒ Data are acceptable for use with qualifications noted above.
- ☐ Data are preliminary - pending verification by laboratory.
- ☐ Data are unacceptable.

cc: Karl Reed
Tom Crause

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cc: Karl Reed
Tom Crause

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG No.: 216890
Laboratory: IEPA
Page 1 of 48

PRELIMINARY REVIEW

1. *Chain-of-Custody*

	YES	NO	
a.	[X]	[ ]	Check chain-of-custody documentation for date/time sampled, date/time received in laboratory.
b.	[X]	[ ]	Check chain-of-custody documentation for proper documentation of transfers and signoffs.
c.	[X]	[ ]	Check chain-of-custody documentation for any inconsistencies or anomalies.

Comments:

2. *Case Narrative*

	YES	NO	
a.	[X]	[ ]	Review entire case narrative.
b.	[X]	[ ]	Check case narrative for completeness.
c.	[X]	[ ]	Check for proper authorization signature.

Comments:

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG No.: 216890
Laboratory: IEPA
Page 2 of 48

I. Holding Times

YES NO
[X] [ ] Check that all technical and/or contractual holding times were met, as required, for all fractions.

EPA Number	Lab Number	Date Coll.	Date Rec'd.	VOA Date Anal.	Semi-VOA Date Extr	Semi-VOA Date Anal.	Pesticide Date Extr	Pesticide Date Anal.
X101	D216890	5/6/92	5/7/92	5/12/92	5/13/92	6/11/92	5/14/92	6/19/92
X102	-891			5/12	5/13	6/25	5/14	6/19
X102RE	-891			—	5/13	7/1	~~5/14~~	~~6/19~~
X103	-892			5/12	5/13	6/11	5/14	6/19
X104	-893			5/12	5/13	6/12	5/14	6/19
X105	-894			5/12	5/13	6/12	5/14	6/19
X106	-895			5/13	5/13	6/25	5/14	6/19
X106RE	-895			5/13	5/13	7/1	—	—
X107	-896			5/12	5/13	6/25	5/14	6/19
X107RE	-896			5/12	5/13	7/1	—	—
X107DL	-896			5/12	—	—	—	—
X108	-897			5/12	5/13	6/12	5/14	6/19
X109	-898			5/13	5/13	7/1	5/14	6/19
X110	-899			5/13	5/13	6/12	5/14	6/20
X110RE	-899			5/13	—	—	—	—
X110DL	-899			—	5/13	6/25	—	—
X110DLRE	-899			—	5/13	7/8	—	—
X111	-900			5/13	5/13	6/25	5/14	6/20
X111RE	-900			—	5/13	7/8	—	—
X112	-901			5/13	5/13	6/12	5/14	6/20
X113	-902			5/13	5/13	6/11	5/14	6/20

List below all samples (by sample number and fraction) qualified due to holding times.

VOA - OK
SV - X102, X106, X107, X110DL, X111 analyzed 43 days from extraction; X102RE, X106RE, X107RE, X109 analyzed 49 days from extraction; X110DLRE, X111RE, X114 analyzed 56 days from extraction.
Pest - OK

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG
No.: 216890
Laboratory: IEPA
Page 3 of 48

I. Holding Times

YES NO
[X] [ ] Check that all technical and/or contractual holding times were met, as required, for all fractions.

EPA Number	Lab Number	Date Coll.	Date Rec'd.	VOA Date Anal.	Semi-VOA Date Extr	Semi-VOA Date Anal.	Pesticide Date Extr	Pesticide Date Anal.
X114	D216903	5/6/92	5/7/92	5/13/92	5/13/92	7/8/92	5/14/92	6/20/92
X115	-904	5/6	5/7	5/13	5/13	6/11	5/14	6/20

List below all samples (by sample number and fraction) qualified due to holding times.

II. GC/MS Instrument Performance Check

Fraction: (VOA) SemiVOA (*circle one*)

1. Evaluate Forms V and Raw Data

	YES	NO	
a.	[X]	[ ]	Check that Forms V are present and completed for each 12 hour time period.
b.	[X]	[ ]	Check for transcription errors between raw data and Forms V.
c.	[X]	[ ]	Check that the appropriate number of significant figures has been reported and that rounding errors have not occurred.
d.	[X]	[ ]	Check for calculation errors.

2. Verify Raw Data Format

YES	NO	
[X]	[ ]	Check mass spectral listing to determine that the mass assignment is correct and that the mass listing is normalize to the specified ion (m/z 95 for VOA, m/z 198 for SemiVOA).

3. Verify Ion Abundance Criteria

YES	NO	
[X]	[ ]	Check that all ion abundance criteria has been met.

4. Verify Background Correction

YES	NO	
[X]	[ ]	Check that tuning compound spectra were generated using appropriate background correction.

Comments:

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG
No.: 216890
Laboratory: IEPA
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III. Initial Calibration

GC/MS

Fraction: (VOA) SemiVOA (*circle one*)

1. ***Verify that the Correct Standard Concentrations Were Used.***

YES	NO	
[X]	[ ]	Check the Forms VI and the raw data to verify that the correct standard concentrations were used to calibrate the GC/MS instrument(s).

2. ***Verify that the Correct Initial Calibration was Used for Water and Low Level Soils.***

YES	NO	N/A	
[X]	[ ]	[ ]	Check that initial calibrations were performed as required for water/med. level soil and low level soil.

3. ***Verify Use of Correct Standards.***

YES	NO	N/A	
[ ]	[ ]	[X]	Check that the correct standard was used for quantitation of samples, if samples were analyzed immediately subsequent to initial calibration.

4. ***Evaluate Initial Calibration*** RRFs ***and*** $\overline{\text{RRF}}$s.

	YES	NO	
a.	[X]	[ ]	Check and recalculate the RRFs and $\overline{\text{RRF}}$s for several target compounds (at least one associated with each internal standard).
b.	[X]	[ ]	Check that, for all target compounds and surrogates, the $\overline{\text{RRF}}$s meet the applicable criteria. Note any "outliers" on the Calibration Outliers Form.

5. ***Evaluate Initial Calibration %RSDs.***

	YES	NO	
a.	[X]	[ ]	Check and recalculate the *%RSD* for several target compounds.
b.	[X]	[ ]	Check that the applicable *%RSD* criteria have been met. Note any "outliers" on the Calibration Outliers Form.

Comments:

IV. Continuing Calibration

GC/MS

Fraction: (VOA) SemiVOA (*circle one*)

1. ***Verify Continuing Calibration Frequency.***

YES	NO	
[X]	[ ]	Check the continuing calibration raw data and Forms VII to verify that continuing calibration standards were analyzed at the proper frequency and that each continuing calibration was compared to the appropriate initial calibration.

2. ***Evaluate Continuing Calibration RRFs.***

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *RRFs* for several compounds.
b.	[X]	[ ]	Check that all target compound and surrogate *RRFs* meet the criteria.

3. ***Evaluate Continuing Calibration %Ds.***

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *%Ds* for several compounds.
b.	[X]	[ ]	Check that all target compound and surrogate *%Ds* meet the applicable criteria.

Comments:

VOLATILE CALIBRATION OUTLIERS

3/90 SOW

Lab Name: IEPA

Case: Old LaSalle Dump

Instrument # 5100B	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	4/23/92 1031			5/12/92 1101			5/13/92 1104								
heated purge		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Chloromethane	0.010					32.7	J		66.5	J						
Bromomethane	0.100					25.8	J		28.9	J						
Vinyl Chloride	0.100															
Chloroethane	0.010					63.6	J									
Methylene Chloride	0.010															
Acetone	0.010															
Carbon Disulfide	0.010															
1,1-Dichloroethene	0.100															
1,1-Dichloroethane	0.200															
1,2-Dichloroethene (total)	0.010															
Chloroform	0.200															
1,2-Dichloroethane	0.100															
2-Butanone	0.010															
1,1,1-Trichloroethane	0.100															
Carbon Tetrachloride	0.100															
Bromodichloromethane	0.200															
1,2-Dichloropropane	0.010															
cis-1,3-Dichloropropene	0.200															
Trichloroethene	0.300															
Dibromochloromethane	0.100															
1,1,2-Trichloroethane	0.100															
Benzene	0.500															
trans-1,3-Dichloropropene	0.100															
Bromoform	0.100															
4-Methyl-2-Pentanone	0.010															
2-Hexanone	0.010															
Tetrachloroethene	0.200															
1,1,2,2-Tetrachloroethane	0.500															
Toluene	0.400															
Chlorobenzene	0.500															
Ethylbenzene	0.100															
Styrene	0.300															
Xylene(total)	0.300															
Bromofluorobenzene	0.300															

AFFECTED SAMPLES:

	VBLKSL1	VBLKSL2
	X101	X109
	X102	X112
	X103	X110
	X104	X113
	X105	X114
	X107	X115
	X108	X110RE
	X107RE	X106
	X107DL	X106RE
		X112MS
		X112MSD
		X111

Reviewer's Initials/Date: Am 8/20/92

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

V. Blanks

Fraction: (VOA) SemiVOA Pest. (*circle one*)

1. ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs. Note all contaminated blanks ~~and associated samples~~ below.

2. ***Verify Blank Frequency.***

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency.

Blank Summary

Blank Sample No.	VBLKSL1	VBLKSL2		
Date Anal. or Extr.	5/12/92	5/13/92		
Instrument	5100B	5100B		

TCL Comp'd.	Amount	TCL Comp'd.	Amount	TCL Comp'd.	Amount	TCL Comp'd.	Amount
MeCl2	10	MeCl2	3				
Acetone	5	Acetone	6				
2-But	3	2-But	3				

TIC Comp'd.	Amount	TIC Comp'd.	Amount	TIC Comp'd.	Amount	TIC Comp'd.	Amount

VI. Surrogate Spikes

GC/MS

Fraction: (VOA) SemiVOA (*circle one*)

1. ***Review Raw Data.***

YES	NO	
[X]	[ ]	Check raw data to verify that the recoveries on the Form II are accurate and within the limits.

2. ***Evaluate Surrogate Recovery Calculations.***

YES	NO	
[X]	[ ]	Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors.

3 ***Evaluate Surrogate Recoveries.***

	YES	NO	
a.	[X]	[ ]	Check that reanalyses were performed as required.
b.	[X]	[ ]	Check that surrogate recoveries in blanks met criteria.

4. ***Evaluate Reanalyses.***

YES	NO	
[X]	[ ]	Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use. This determination must be performed in conjunction with the evaluation of the internal standard area response criteria. List below the results of the reviewers determinations.

Comments:

X112MSD - BFB high %R

4) Use X106 instead of X106RE.
Use X107 instead of X107RE.
Use X110 instead of X110RE.

VII. Matrix Spikes/Matrix Spike Duplicates

Fraction: (VOA) SemiVOA Pesticide (*circle one*)

1. ***Verify Frequency***

YES	NO	
[X]	[ ]	Check that MS and MSD samples were analyzed at the correct frequency.

2. ***Evaluate MS/MSD Criteria.***

YES	NO	
[X]	[ ]	Check MS/MSD results for *%R* and *RPD* are within the advisory limits.

3. ***Verify MS/MSD Calculations.***

	YES	NO	
a.	[X]	[ ]	Check raw data and verify that results are calculated correctly and are free from transcription errors.
b.	[X]	[ ]	Check that *%Rs* and *RPDs* were calculated correctly.

4. ***Evaluate Sample Precision.***

YES	NO	
[X]	[ ]	Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD.

X 112

Compound	Orig. Result	MS Result	MSD Result	%RSD
Methylene Chloride	11	4	5	57%

Comments:

VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

N/A

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG
No.: 216890
Laboratory: IEPA
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X. Internal Standards

GC/MS

Fraction: (VOA) SemiVOA (*circle one*)

1. ***Evaluate Raw Data.***

YES	NO	
[X]	[ ]	Check raw data and verify that the internal standard retention times and areas reported on the Forms VIII are correct.

2. ***Verify RT and IS Area Criteria.***

YES	NO	
[X]	[ ]	Check that retention times and internal standard area meet the appropriate criteria.

3. ***Evaluate Reanalyses.***

YES	NO	
[X]	[ ]	Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use. This determination must be performed in conjunction with the evaluation of the surrogate spike recovery criteria. List the results of the reviewers determinations in Section VI., Surrogate Spikes.

Comments:

X107
X107DL
X107RE
X106 Chlorobenzene d5 low areas
X106RE
X110
X110RE

XI. Target Compound Identification

GC/MS

Fraction: (VOA) SemiVOA (*circle one*)

1. ***Verify Relative Retention Time (RRT) Criteria.***

YES	NO	
[X]	[ ]	Check that the RRT of reported compounds is within the criteria.

2. ***Evaluate Target Compound Spectra.***

YES	NO	
[X]	[ ]	Check the sample target compound spectra against the laboratory standard spectra; verify that the specified criteria are met.

3. ***Evaluate Possible Carryover.***

YES	NO	
[X]	[ ]	Check the raw data of the samples as related to the samples analyzed previously to verify that sample carryover has not adversely affected results.

4. ***Evaluate Chromatograms.***

YES	NO	
[X]	[ ]	Check the sample chromatograms to verify that peaks are accounted for.

Comments:

XII. Compound Quantitation and Reported CRQLs

Fraction: VOA SemiVOA Pesticide *(circle one)*

1. ***Evaluate Quantitation of Sample Results.***

YES	NO	
[X]	[ ]	Check raw data to verify calculation of sample results.

2. ***Evaluate Quantitation Parameters.***

YES	NO	N/A	
[X]	[ ]	[ ]	For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results. Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process.

3. ***Evaluate CRQLs.***

YES	NO	
[X]	[ ]	Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors.

Comments:

XIII. Tentatively Identified Compounds

GC/MS Only

Fraction: (VOA) SemiVOA (*circle one*)

1. ***Evaluate Tentative Identifications.***

YES	NO	
[X]	[ ]	Check that all TICs reported meet the identification guidelines.

2. ***Evaluate Raw Data.***

YES	NO	
[X]	[ ]	Check raw data to verify that the laboratory has generated a library search for all required peaks in the chromatograms for samples and blanks.

3. ***Evaluate Blanks.***

YES	NO	
[X]	[ ]	Check blank sample chromatograms to verify that TIC peaks present in samples are not found in blanks.

4. ***Examine Mass Spectra.***

YES	NO	
[X]	[ ]	Check all mass spectra for every sample.

5. ***Evaluate TIC Identifications.***

YES	NO	
[X]	[ ]	Since TIC library searches often yield several candidate compounds, all reasonable choices must be considered.

6. ***Evaluate Laboratory Artifacts and Contaminants.***

YES	NO	
[X]	[ ]	Check sample results and raw data to verify that common laboratory artifacts and contaminants are not reported as sample contaminants.

XIII. TICs continued

7. Evaluate Possibility of False Negatives.

	YES	NO	N/A	
a.	[X]	[ ]	[ ]	Check to determine if target compounds have been identified and quantitated as TICs.
b.	[ ]	[ ]	[X]	If target compounds have been identified and quantitated as TICs, check to determine whether the false negative is an isolated occurrence or whether additional data may be affected. Comment on all such false negatives below.

8. Determine That Results Are From Proper Fraction.

YES	NO	N/A	
[ ]	[ ]	[X]	Target compounds could be identified in more than one fraction; if this occurs, check that quantitation is from the proper fraction.

9. Verify That Internal Standards And Surrogates Are Not Searched.

YES	NO	
[X]	[ ]	Check that library searches were not performed on internal standards or surrogates.

10. Verify Estimated Quantitation of TICs.

YES	NO	
[X]	[ ]	Check that the estimated concentration of the TICs was made using an assumed *RRF* of one.

Comments:

XIV. GC/MS System Performance

Fraction: (VOA) SemiVOA (*circle one*)

1. Evaluate Overall System Performance.

	YES	NO	
a.	[X]	[ ]	Check for high RIC background levels or shifts in absolute retention times of internal standards.
b.	[X]	[ ]	Check for excessive baseline rise at elevated temperature.
c.	[X]	[ ]	Check for extraneous peaks.
d.	[X]	[ ]	Check for loss of resolution.
e.	[X]	[ ]	Check for peak tailing or peak splitting that may result in inaccurate quantitation.

Comments:

SEMIVOLATILE CALIBRATION OUTLIERS

Page 2

Name: IEPA

Case: Old La Salle Dump

Instrument # INC500	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	6/11/92 946			6/11/92 1601			6/12/92 913								
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Diethylphthalate	0.010															
4-Chlorophenyl-phenylether	0.400															
Fluorene	0.900															
4-Nitroaniline	0.010					33.1	J									
4,6-Dinitro-2-methylphenol	0.010															
N-Nitrosodiphenylamine (1)	0.010															
4-Bromophenyl-ethylether	0.100															
Hexachlorobenzene	0.100															
Pentachlorophenol	0.050															
Phenanthrene	0.700															
Anthracene	0.700															
Carbazole	0.010															
Di-n-butylphthalate	0.010															
Fluoranthene	0.600															
Pyrene	0.600															
Butylbenzylphthalate	0.010															
3,3'-Dichlorobenzidine	0.010		43.6	J		73.8	J		53.9	J						
Benzo(a)anthracene	0.800															
Chrysene	0.700															
[illegible]-Ethylhexyl)phthalate	0.010								27.9	J						
[illegible]-n-octylphthalate	0.010															
Benzo(b)fluoranthene	0.700															
Benzo(k)fluoranthene	0.700															
Benzo(a)pyrene	0.700															
Indeno(1,2,3-cd)pyrene	0.500															
Dibenz(a,h)anthracene	0.400															
Benzo(g,h,i)perylene	0.500															
Nitrobenzene-d5	0.200															
2-Fluorobiphenol	0.700															
Terphenyl-d14	0.500															
Phenol-d6	0.800															
2-Fluorophenol	0.600															
2-Chlorophenol-d4	0.800															
1,2-Dichlorobenzene-d4	0.400															
4-Nitrophenol	0.010															
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

SEE PAGE 1 FOR AFFECTED SAMPLES

[illegible]ewer's
[illegible]s/Date AM 8/19/92

SEMIVOLATILE CALIBRATION OUTLIERS

Page 1

Lab Name: IEPA

Case: Old LaSalle Dump

Instrument # XL	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	6/23/92 1401			6/25/92 933			7/1/92 1904								
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Phenol	0.800															
bis(2-Chloroethyl)ether	0.700															
2-Chlorophenol	0.800															
1,3-Dichlorobenzene	0.600															
1,4-Dichlorobenzene	0.500															
1,2-Dichlorobenzene	0.400															
2-Methylphenol	0.700															
2,2' oxybis(1-Chloropropanol)	0.010								35.9	J						
4-Methylphenol	0.600															
N-Nitroso-di-n-propylamine	0.500															
Hexachloroethane	0.300															
Nitrobenzene	0.200															
Isophorone	0.400															
2-Nitrophenol	0.100															
2,4-Dimethylphenol	0.200															
bis(2-Chloroethoxy)methane	0.300															
2,4-Dichlorophenol	0.200	See next page														
1,2,4-Trichlorobenzene	0.200															
Naphthalene	0.700															
4-Chloroaniline	0.010					76.4	J									
Hexachlorobutadiene	0.010															
4-Chloro-3-methylphenol	0.200															
2-Methylnaphthalene	0.400															
Hexachlorocyclopentadiene	0.010															
2,4,6-Trichlorophenol	0.200															
2,4,5-Trichlorophenol	0.200					31.2	J									
2-Chloronaphthalene	0.800															
2-Nitroaniline	0.010					35.6	J		26.4	J						
Dimethylphthalate	0.010															
Acenaphthylene	1.300															
2,6-Dinitrotoluene	0.200															
3-Nitroaniline	0.010					107.5	J		62.6	J						
Acenaphthene	0.800															
2,4-Dinitrophenol	0.010					28.2	J									
4-Nitrophenol	0.010								44.6	J						
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

AFFECTED SAMPLES:

X106	X102RE
X107	X106RE
X110DL	X107RE
X111	X109
X102	
X115MS	
X115MSD	

Reviewer's Initials/Date: AM 8/19/92

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

SEMIVOLATILE CALIBRATION OUTLIERS

Page 2

Lab Name: IEPA

Case: Old LaSalle Dump

Instrument # XL	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	6/23/92 1401			6/25/92 933			7/1/92 1904								
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Diethylphthalate	0.010															
4-Chlorophenyl-phenylether	0.400															
Fluorene	0.900															
4-Nitroaniline	0.010															
4,6-Dinitro-2-methylphenol	0.010					38.5	J									
N-Nitrosodiphenylamine (1)	0.010					44.9	J									
4-Bromophenyl-ethylether	0.100															
Hexachlorobenzene	0.100					26.4	J									
Pentachlorophenol	0.050															
Phenanthrene	0.700															
Anthracene	0.700															
Carbazole	0.010					70.8	J		27.6	J						
Di-n-butylphthalate	0.010					27.8	J									
Fluoranthene	0.600					34.4	J									
Pyrene	0.600		32.7	J												
Butylbenzylphthalate	0.010															
3,3'-Dichlorobenzidine	0.010					104.8	J									
Benzo(a)anthracene	0.800															
[illegible]ysene	0.700															
[illegible]-Ethylhexyl)phthalate	0.010															
Di-n-octylphthalate	0.010								33.4	J						
Benzo(b)fluoranthene	0.700															
Benzo(k)fluoranthene	0.700															
Benzo(a)pyrene	0.700															
Indeno(1,2,3-cd)pyrene	0.500															
Dibenz(a,h)anthracene	0.400															
Benzo(g,h,i)perylene	0.500															
Nitrobenzene-d5	0.200															
2-Fluorobiphenol	0.700															
Terphenyl-d14	0.500		31.2	J												
Phenol-d6	0.800								26.9	J						
2-Fluorophenol	0.600								27.3	J						
2-Chlorophenol-d4	0.800															
1,2-Dichlorobenzene-d4	0.400															
4-Nitrophenol	0.010															
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															
2,4,6 Tribromophenol						29.0	J									

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

SEE PAGE 1 FOR AFFECTED SAMPLES

Reviewer's Initials/Date AM 8/19/92

SEMIVOLATILE CALIBRATION OUTLIERS

Page 1

Lab Name: IEPA

Case: Old LaSalle Dump

Instrument # XL	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	7/8/92 1152			7/8/92 1152											
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Phenol	0.800															
bis(2-Chloroethyl)ether	0.700															
2-Chlorophenol	0.800															
1,3-Dichlorobenzene	0.600															
1,4-Dichlorobenzene	0.500															
1,2-Dichlorobenzene	0.400															
2-Methylphenol	0.700															
2,2' oxybis(1-Chloropropanol)	0.010															
4-Methylphenol	0.600															
N-Nitroso-di-n-propylamine	0.500															
Hexachloroethane	0.300															
Nitrobenzene	0.200															
Isophorone	0.400															
2-Nitrophenol	0.100															
2,4-Dimethylphenol	0.200															
bis(2-Chloroethoxy)methane	0.300															
2,4-Dichlorophenol	0.200															
1,2,4-Trichlorobenzene	0.200															
Naphthalene	0.700															
4-Chloroaniline	0.010					25.8	J									
Hexachlorobutadiene	0.010															
4-Chloro-3-methylphenol	0.200															
2-Methylnaphthalene	0.400															
Hexachlorocyclopentadiene	0.010															
2,4,6-Trichlorophenol	0.200															
2,4,5-Trichlorophenol	0.200															
2-Chloronaphthalene	0.800															
2-Nitroaniline	0.010															
Dimethylphthalate	0.010															
Acenaphthylene	1.300															
2,6-Dinitrotoluene	0.200															
3-Nitroaniline	0.010		68.5	J		50.0	J									
Acenaphthene	0.800															
2,4-Dinitrophenol	0.010		31.6	J		39.1	J									
4-Nitrophenol	0.010															
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

AFFECTED SAMPLES:

X114
X110DLRE
X111RE

Reviewer's Initials/Date: am 8/19/92

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

Data Validation Checklist
Site Name: Old Lasalle Dump
SDG No.: 216890
Laboratory: IEPA
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction: VOA (SemiVOA) Pesticide *(circle one)*

1. ***Verify Frequency***

YES	NO	
[X]	[ ]	Check that MS and MSD samples were analyzed at the correct frequency.

2. ***Evaluate MS/MSD Criteria.***

YES	NO	
[X]	[ ]	Check MS/MSD results for *%R* and *RPD* are within the advisory limits.

3. ***Verify MS/MSD Calculations.***

	YES	NO	
a.	[X]	[ ]	Check raw data and verify that results are calculated correctly and are free from transcription errors.
b.	[X]	[ ]	Check that *%Rs* and *RPDs* were calculated correctly.

4. ***Evaluate Sample Precision.***

YES	NO	
[X]	[ ]	Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD.

X115

Compound	Orig. Result	MS Result	MSD Result	%RSD
Di-n-Butylphthalate	~~540~~ 280	380	240	24%

Comments:
X115MS 1,4-Dichlorobenzene 0% R
X115MSD 1,4-Dichlorobenzene low % R
X115MS/MSD N-Nitroso-di-n-prop. + 1,2,4-Trichlorobenzene low %R's
2-Chlorophenol
1,4-Dichlorobenzene
1,2,4-Trichlorobenzene
Pentachlorophenol
} high RPDs

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG
No.: 216890
Laboratory: IEPA
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X. Internal Standards

GC/MS

Fraction: VOA (SemiVOA) *(circle one)*

1. ***Evaluate Raw Data.***

YES NO
[X] [ ] Check raw data and verify that the internal standard retention times and areas reported on the Forms VIII are correct.

2. ***Verify RT and IS Area Criteria.***

YES NO
[X] [ ] Check that retention times and internal standard area meet the appropriate criteria.

3. ***Evaluate Reanalyses.***

YES NO
[X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use. This determination must be performed in conjunction with the evaluation of the surrogate spike recovery criteria. List the results of the reviewers determinations in Section VI., Surrogate Spikes.

Comments:
- X102
- X106 } all i.stds. high areas
- X107
- X110DL } 1,4 Dichlorobenzene d_4, Naphthalene d_8, Acenaphthene d_{10},
- X111 } Phenanthrene d_{10} + Chrysene d_{12} all high areas
- X102RE
- X107RE } all i.stds. high areas
- X110DLRE
- X111RE
- X106RE - all int. stds high areas except Phenanthrene d_{10}

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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SBLKSL

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D217165

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0611T03

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNK. METHYL PENTENONE	7.97	980	AJ
2.	UNKNOWN	8.49	3300	J
3.	UNKNOWN	8.59	2100	J
4.	UNKNOWN	9.02	140	J
5.	UNK. HYDROXYMETHYL PENTANONE	9.40	51000	AJ
6.	UNKNOWN ALIP. HYDROCARBON	9.60	510	J
7.	UNKNOWN	9.65	790	J
8.	UNKNOWN ALIP. HYDROCARBON	9.79	570	J
9.	UNK. METHYLETHYL HEPTANE	9.97	490	J
10.	UNKNOWN	10.37	130	J
11.	UNKNOWN	11.02	1500	J
12.	UNKNOWN	11.74	2500	J
13.	UNKNOWN	12.12	110	J
14.	UNKNOWN	12.70	1400	J
15.	UNKNOWN	13.07	520	J
16.	UNKNOWN	14.02	4500	J
17.	UNKNOWN	16.35	110	J
18.	UNKNOWN	23.34	480	J
19.	UNKNOWN	32.64	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

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SBLKGPC

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: GPCBLK1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0612W03

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/21/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.57	130	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
p 30 of 48
SBLKGPC2

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: GPCBLK2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0611T05

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/21/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.55	120	J
2.	UNKNOWN	30.19	600	J

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG
No.: 216890
Laboratory: IEPA
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VI. Surrogate Spikes

GC/MS

Fraction: VOA (SemiVOA) *(circle one)*

1. ***Review Raw Data.***

YES NO
[X] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits.

2. ***Evaluate Surrogate Recovery Calculations.***

YES NO
[X] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors.

3 ***Evaluate Surrogate Recoveries.***

YES NO
a. [X] [ ] Check that reanalyses were performed as required.

b. [X] [ ] Check that surrogate recoveries in blanks met criteria.

4. ***Evaluate Reanalyses.***

YES NO
[X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use. This determination must be performed in conjunction with the evaluation of the internal standard area response criteria. List below the results of the reviewers determinations.

Comments:
X102 2-Fluorobiphenyl low % R
X106 2-Fluorobiphenyl + 2-Fluorophenol low % R
X115MS Nitrobenzene ds, 2-Fluorophenol, + DCB low % R's
X115MSD DCB low % R

4) Use X102RE instead of X102.
Use X106RE instead of X106.
Use X107RE instead of X107.
Use X110DL instead of X110DLRE
Use X111RE instead of X111.

XI. Target Compound Identification

GC/MS

Fraction: VOA SemiVOA (*circle one*)

1. ***Verify Relative Retention Time (RRT) Criteria.***

YES	NO	
[X]	[ ]	Check that the RRT of reported compounds is within the criteria.

2. ***Evaluate Target Compound Spectra.***

YES	NO	
[X]	[ ]	Check the sample target compound spectra against the laboratory standard spectra; verify that the specified criteria are met.

3. ***Evaluate Possible Carryover.***

YES	NO	
[X]	[ ]	Check the raw data of the samples as related to the samples analyzed previously to verify that sample carryover has not adversely affected results.

4. ***Evaluate Chromatograms.***

YES	NO	
[X]	[ ]	Check the sample chromatograms to verify that peaks are accounted for.

Comments:

XII. Compound Quantitation and Reported CRQLs

Fraction: VOA (SemiVOA) Pesticide *(circle one)*

1. ***Evaluate Quantitation of Sample Results.***

YES	NO	
[X]	[ ]	Check raw data to verify calculation of sample results.

2. ***Evaluate Quantitation Parameters.***

YES	NO	N/A	
[X]	[ ]	[ ]	For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results. Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process.

3. ***Evaluate CRQLs.***

YES	NO	
[X]	[ ]	Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors.

Comments:
Samples X110DL & X110DLRE have wrong CRQL's, should be adjusted to reflect dilution factor = 20.

XIII. Tentatively Identified Compounds

GC/MS Only

Fraction: VOA SemiVOA (*circle one*)

1. ***Evaluate Tentative Identifications.***

YES	NO	
[X]	[ ]	Check that all TICs reported meet the identification guidelines.

2. ***Evaluate Raw Data.***

YES	NO	
[X]	[ ]	Check raw data to verify that the laboratory has generated a library search for all required peaks in the chromatograms for samples and blanks.

3. ***Evaluate Blanks.***

YES	NO	
[X]	[ ]	Check blank sample chromatograms to verify that TIC peaks present in samples are not found in blanks.

4. ***Examine Mass Spectra.***

YES	NO	
[X]	[ ]	Check all mass spectra for every sample.

5. ***Evaluate TIC Identifications.***

YES	NO	
[X]	[ ]	Since TIC library searches often yield several candidate compounds, all reasonable choices must be considered.

6. ***Evaluate Laboratory Artifacts and Contaminants.***

YES	NO	
[X]	[ ]	Check sample results and raw data to verify that common laboratory artifacts and contaminants are not reported as sample contaminants.

XIII. TICs continued

7. Evaluate Possibility of False Negatives.

	YES	NO	N/A	
a.	[X]	[ ]	[ ]	Check to determine if target compounds have been identified and quantitated as TICs.
b.	[ ]	[ ]	[X]	If target compounds have been identified and quantitated as TICs, check to determine whether the false negative is an isolated occurrence or whether additional data may be affected. Comment on all such false negatives below.

8. Determine That Results Are From Proper Fraction.

YES	NO	N/A	
[ ]	[ ]	[X]	Target compounds could be identified in more than one fraction; if this occurs, check that quantitation is from the proper fraction.

9. Verify That Internal Standards And Surrogates Are Not Searched.

YES	NO	
[X]	[ ]	Check that library searches were not performed on internal standards or surrogates.

10. Verify Estimated Quantitation of TICs.

YES	NO	
[X]	[ ]	Check that the estimated concentration of the TICs was made using an assumed *RRF* of one.

Comments:

XIV. GC/MS System Performance

Fraction: VOA SemiVOA (*circle one*)

1. Evaluate Overall System Performance.

	YES	NO	
a.	[X]	[ ]	Check for high RIC background levels or shifts in absolute retention times of internal standards.
b.	[X]	[ ]	Check for excessive baseline rise at elevated temperature.
c.	[X]	[ ]	Check for extraneous peaks.
d.	[X]	[ ]	Check for loss of resolution.
e.	[X]	[ ]	Check for peak tailing or peak splitting that may result in inaccurate quantitation.

Comments:

II. Pesticide Instrument Performance Check

1. ***Resolution Check Mixture***

	YES	NO	
a.	[X]	[ ]	Check the Form VIII PEST. to determine that the resolution check mixture(s) was analyzed in the proper sequence.
b.	[X]	[ ]	Check the resolution check mixture data and the Form VI PEST.-4 to verify that the resolution criterion was met.

2. ***Performance Evaluation Mixture***

	YES	NO	
a.	[X]	[ ]	Check the Form VII PEST. to determine that the PEM(s) was analyzed at the proper frequency and position in the initial calibration sequence.
b.	[X]	[ ]	Check the PEM data from the initial and continuing calibrations to verify that the resolution criterion was met.
c.	[X]	[ ]	Check the PEM data from the initial and continuing calibrations and Form VII PEST.-1 to verify that the retention times are within the retention time windows.
d.	[X]	[ ]	Check that the *RPDs* meet the criterion.
e.	[X]	[ ]	Check that the breakdowns for 4,4'-DDT and Endrin meet the criteria.

Comments:
2e) PEM02 (DB608) Endrin 25% breakdown
Combined 34.6%
PEM04 (DB608) Endrin 21% breakdown
Combined 31.6%
PEM05 (DB608) Endrin 20.8% breakdown

III. Initial Calibration

PESTICIDES

1. ***Individual Standard Mixtures.***

	YES	NO	
a.	[X]	[ ]	Check the Form VIII PEST to verify that the Individual Standard Mixtures were analyzed at the proper frequency for each GC column and instrument. Check that the proper concentrations were used.
b.	[X]	[ ]	Check the raw data to determine that the midpoint standard is at the proper concentration and verify that the resolution criterion has been met for each midpoint concentration standard.
c.	[X]	[ ]	Check the Individual Standard Mixture data and Form VI PEST.-1 and review the calculated retention time windows for calculation and transcription errors.
d.	[X]	[ ]	Check the Individual Standard Mixture data and Form VI PEST.-2 to verify that the *%RSDs* for the calibration factors meet the criterion. Check and recalculate several *%RSDs* for errors.

2. ***Multi Component Compounds.***

a.	[X]	[ ]	Check the raw data and the Form VIII PEST. to verify that the Multi-component Standards were analyzed at the proper concentration and frequency for each GC column and instrument.
b.	[X]	[ ]	Check the raw data and Form VI PEST.-3 to verify that at least three peaks were used for calibration and that retention time and calibration factor data are available for each peak.

Comments:
1d) HP1 col DB-608 Compounds exceeding %RSD limit: α BHC, β-BHC, delta BHC, 4,4 DDE, Endrin, Endosulfan II, 4,4 DDD, Endosulfan sulfate, Endrin aldehyde
HP2 col DB-1701 Compounds exceeding %RSD limit: α BHC, delta BHC (up to 2 compounds may exceed)

IV. Continuing Calibration

PESTICIDES

1. ***Evaluate Continuing Calibration Standards.***

YES NO
[X] [ ] Check the Form VIII PEST to verify that the Instrument Blanks, PEMs, and Individual Standard Mixtures were analyzed at the proper frequency and that no more than 12:00 hours elapsed between calibration brackets in an ongoing analytical sequence.

2. ***Individual Standard Mixtures Resolution.***

YES NO
[X] [ ] Check the data for the midpoint concentration of the Individual Standard Mixtures to verify that the resolution criteria was met.

3. ***Individual Standard Mixtures Retention Times***

YES NO
[X] [ ] Check the data for each of the single component pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures to verify that the retention times are within the appropriate windows.

4. ***Evaluate Continuing Calibration RPDs.***

YES NO
[X] [ ] Check the data for the midpoint concentration of the Individual Standard Mixtures and Form VII PEST.-2 to verify that the *RPDs* between the calculated amount and the true amount for each of the pesticides and surrogates meet the criterion.

Comments:
4) INDAM03 (DB608) DCB 28.2% RPD (25% limit)
INDBM03 (DB608) alpha-Chlordane 28.2% RPD
DCB 25.6% RPD
INDBM03 (DB1701) Endrin aldehyde 25.2% RPD
gamma-Chlordane 26.2% RPD

V. Blanks

Fraction: VOA SemiVOA (Pest) *(circle one)*

1. ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs. Note all contaminated blanks ~~and associated samples~~ below.

2. ***Verify Blank Frequency.***

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency.

All instrument blks OK.

Blank Summary

Blank Sample No.	PBLK51			
Date Anal. or Extr.	5/14 6/20			
Instrument	HP 1+2			

TCL Comp'd.	Amount	TCL Comp'd.	Amount	TCL Comp'd.	Amount	TCL Comp'd.	Amount
beta BHC	11						
44 DDE	3.2						
A-1242	310						
A-1254	29						

TIC Comp'd.	Amount	TIC Comp'd.	Amount	TIC Comp'd.	Amount	TIC Comp'd.	Amount
N/A							

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SDG No.: 216890
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VI. Surrogate Spikes

Pesticides

1. ***Review Raw Data.***

YES NO
[X] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits.

2. ***Evaluate Surrogate Recovery Calculations.***

YES NO
[X] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors.

3 ***Evaluate Possible Interferences.***

YES NO N/A
[X] [ ] [ ] If surrogate spike recoveries are not acceptable, check the raw data for possible interferences which may have effected surrogate recoveries.

4. ***Evaluate Retention Times.***

YES NO N/A
[ ] [ ] [X] If retention time limits are not met, check the raw data for possible misidentification of GC peaks.

5. ***Evaluate Any Low Recoveries.***

YES NO N/A
[X] [ ] [ ] If low surrogate recoveries are observed, check whether low recoveries are due to sample dilution.

6. ***Evaluate Surrogate Analyses in Blanks.***

YES NO
[X] [ ] Check that all surrogate analysis criteria (retention time and advisory recovery criteria) were met in all blank samples.

Comments:
PBLKW1 TCX (DB1701) low % R, DCB (DB1701) 0 % R
X106 + X107 TCX + DCB (both col.) high % R
X108 TCX (DB608) + DCB (both col) high % R
X110 DCB (DB608) 0 % R + DCB (DB1701) high % R
X111 DCB (DB608) low % R
X112 TCX (DB1701) + DCB (both col) low % R

Data Validation Checklist
Site Name: Old LaSalle Dump
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction: VOA SemiVOA (Pesticide) *(circle one)*

1. *Verify Frequency*

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency.

2. *Evaluate MS/MSD Criteria.*

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits.

3. *Verify MS/MSD Calculations.*

YES NO
a. [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors.

b. [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly.

4. *Evaluate Sample Precision.*

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD.

Compound	Orig. Result	MS Result	MSD Result	%RSD
delta BHC	13	12	12	4.7%
Endosulfan II	21	3.6	2.5	115%
Endrin aldehyde	1.9	3.2	2.1	29%
Aroclor-1248	3200	2200	1400	40%
Aroclor-1254	490	1600	U	–
Aroclor-1260	400	290	U	–

Comments:
X115 MS/MSD - all %R's high, Aldrin high RPD

X. Pesticide Cleanup Checks

1. ***Florisil Cartridge Check.***

	YES	NO	
a.	[X]	[ ]	Check the data from the Florisil cartridge solution analyses and the Form IX PEST.-1 and check some of the *%R* calculations; verify that there are no calculation or transcription errors.
b.	[X]	[ ]	Check all criteria have been met.

2. ***Gel Permeation Chromatography.***

	YES	NO	
a.	[X]	[ ]	Check the data from the GPC calibration check analyses and the Form IX PEST.-2 and recalculate some of the *%R* results; verify that there are no calculation or transcription errors.
b.	[X]	[ ]	Check all criteria have been met and that Arochlor patterns are similar to those of previous standards.

Comments:

Florisil Cartridge Check - 4,4-DDT, TCX } slightly high %R

GPC - Endrin, 4,4 DDT } slightly high %R

No Aroclor patterns in GPC calib. check mixture analysis.

XI. Target Compound Identification

Pesticides

1. ***Evaluate Reported Results.***

	YES	NO	
a.	[X]	[ ]	Check the Form I PEST., the associated raw data, and Form X PEST.-1 and Form X PEST.-2 to confirm reported detected analytes.
b.	[X]	[ ]	Check the Form I PEST., the associated raw data, and Form X PEST.-1 and Form X PEST.-2 to confirm reported non-detects.
c.	[X]	[ ]	Check the associated blank data for potential interferences to evaluate sample data for false positives.
d.	[X]	[ ]	Check the calibration data for adequate retention time windows to evaluate the sample data for false positives and false negatives.

2. ***Evaluate Multi-Component Analyte Results.***

YES	NO	
[X]	[ ]	Compare the retention times and relative peak height ratios of major multi-component analyte peaks against appropriate standard chromatograms.

3. ***Verify GC/MS Confirmations if Applicable.***

YES	NO	N/A	
[X]	[ ]	[ ]	Check that GC/MS confirmation was performed for pesticide concentrations in the final sample extract which exceeded 10 ng/ul.

Comments:
3.) No GC/MS confirmation for pesticides in Sample #s X104, X105, X106, X107, X108, X109, X110, X111, X112, X113, + X114.

XII. Compound Quantitation and Reported CRQLs

Fraction: VOA SemiVOA (Pesticide) *(circle one)*

1. ***Evaluate Quantitation of Sample Results.***

YES	NO	
[X]	[ ]	Check raw data to verify calculation of sample results.

2. ***Evaluate Quantitation Parameters.***

YES	NO	N/A	
[ ]	[ ]	[X]	For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results. Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process.

3. ***Evaluate CRQLs.***

YES	NO	
[X]	[ ]	Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors.

Comments:

XV. Overall Assessment of Data

Evaluate the Overall Quality of the Data.

YES	NO	
[X]	[ ]	Evaluate any technical problems which have not been previously addressed.
[X]	[ ]	Review all available materials to assess the overall quality of the dada, keeping in mind the additive nature of analytical problems.
[X]	[ ]	If appropriate information is available, assess the usability of the data to assist the data user in avoiding inappropriate use of the data. Review all available information, including the QAPjP, SAP, and communications with the data user that concerns the intended use of the data.

Provide a brief narrative to give the data user an indication of the analytical limitations of the data. Include any details from the above checks. Any inconsistency of the data with the Case Narrative should be noted. If sufficient information is available, the reviewer should give an assessment of the usability of the data within the given context.

Data qualified as indicated on Form 1's.
am.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216890

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC04

Level: _ (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 14 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216890

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 14 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	UJ
74-83-9	Bromomethane	12	UJ
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	UJ
75-09-2	Methylene Chloride	31	~~B~~ U am
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216891

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 46 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216891

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 46 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	19	UJ	
74-83-9	Bromomethane	19	UJ	
75-01-4	Vinyl Chloride	19	U	
75-00-3	Chloroethane	19	UJ	
75-09-2	Methylene Chloride	19 ~~7~~	~~BJ~~ U	am
67-64-1	Acetone	19	~~B~~U	am
75-15-0	Carbon Disulfide	19	U	
75-35-4	1,1-Dichloroethene	19	U	
75-34-3	1,1-Dichloroethane	19	U	
540-59-0	1,2-Dichloroethene (total)	19	U	
67-66-3	Chloroform	19	U	
107-06-2	1,2-Dichloroethane	19	U	
78-93-3	2-Butanone	19 ~~8~~	~~BJ~~ U	am
71-55-6	1,1,1-Trichloroethane	19	U	
56-23-5	Carbon Tetrachloride	19	U	
75-27-4	Bromodichloromethane	19	U	
78-87-5	1,2-Dichloropropane	19	U	
10061-01-5	cis-1,3-Dichloropropene	19	U	
79-01-6	Trichloroethene	19	U	
124-48-1	Dibromochloromethane	19	U	
79-00-5	1,1,2-Trichloroethane	19	U	
71-43-2	Benzene	19	U	
10061-02-6	trans-1,3-Dichloropropene	19	U	
75-25-2	Bromoform	19	U	
108-10-1	4-Methyl-2-Pentanone	19	U	
591-78-6	2-Hexanone	19	U	
127-18-4	Tetrachloroethene	19	U	
79-34-5	1,1,2,2-Tetrachloroethane	19	U	
108-88-3	Toluene	19	U	
108-90-7	Chlorobenzene	19	U	
100-41-4	Ethylbenzene	19	U	
100-42-5	Styrene	19	U	
1330-20-7	Xylene (total)	19	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216892

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 53 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216892

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 53 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	21	UJ	
74-83-9	Bromomethane	21	UJ	
75-01-4	Vinyl Chloride	21	U	
75-00-3	Chloroethane	21	UJ	
75-09-2	Methylene Chloride	33	~~B~~ U	am
67-64-1	Acetone	45	~~B~~ U	am
75-15-0	Carbon Disulfide	21	U	
75-35-4	1,1-Dichloroethene	21	U	
75-34-3	1,1-Dichloroethane	21	U	
540-59-0	1,2-Dichloroethene (total)	21	U	
67-66-3	Chloroform	21	U	
107-06-2	1,2-Dichloroethane	21	U	
78-93-3	2-Butanone	22	~~B~~ U	am
71-55-6	1,1,1-Trichloroethane	21	U	
56-23-5	Carbon Tetrachloride	21	U	
75-27-4	Bromodichloromethane	21	U	
78-87-5	1,2-Dichloropropane	21	U	
10061-01-5	cis-1,3-Dichloropropene	21	U	
79-01-6	Trichloroethene	21	U	
124-48-1	Dibromochloromethane	21	U	
79-00-5	1,1,2-Trichloroethane	21	U	
71-43-2	Benzene	21	U	
10061-02-6	trans-1,3-Dichloropropene	21	U	
75-25-2	Bromoform	21	U	
108-10-1	4-Methyl-2-Pentanone	21	U	
591-78-6	2-Hexanone	21	U	
127-18-4	Tetrachloroethene	21	U	
79-34-5	1,1,2,2-Tetrachloroethane	21	U	
108-88-3	Toluene	21	U	
108-90-7	Chlorobenzene	21	U	
100-41-4	Ethylbenzene	21	U	
100-42-5	Styrene	21	U	
1330-20-7	Xylene (total)	21	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216893

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 49 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216893

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 49 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	20	UJ	
74-83-9	Bromomethane	20	UJ	
75-01-4	Vinyl Chloride	20	U	
75-00-3	Chloroethane	20	UJ	
75-09-2	Methylene Chloride	30	~~B~~ U	am
67-64-1	Acetone	25	~~B~~ U	am
75-15-0	Carbon Disulfide	20	U	
75-35-4	1,1-Dichloroethene	20	U	
75-34-3	1,1-Dichloroethane	20	U	
540-59-0	1,2-Dichloroethene (total)	20	U	
67-66-3	Chloroform	20	U	
107-06-2	1,2-Dichloroethane	20	U	
78-93-3	2-Butanone	20 ~~B~~	~~BJ~~ U	am
71-55-6	1,1,1-Trichloroethane	20	U	
56-23-5	Carbon Tetrachloride	20	U	
75-27-4	Bromodichloromethane	20	U	
78-87-5	1,2-Dichloropropane	20	U	
10061-01-5	cis-1,3-Dichloropropene	20	U	
79-01-6	Trichloroethene	20	U	
124-48-1	Dibromochloromethane	20	U	
79-00-5	1,1,2-Trichloroethane	20	U	
71-43-2	Benzene	20	U	
10061-02-6	trans-1,3-Dichloropropene	20	U	
75-25-2	Bromoform	20	U	
108-10-1	4-Methyl-2-Pentanone	20	U	
591-78-6	2-Hexanone	20	U	
127-18-4	Tetrachloroethene	20	U	
79-34-5	1,1,2,2-Tetrachloroethane	20	U	
108-88-3	Toluene	20	U	
108-90-7	Chlorobenzene	20	U	
100-41-4	Ethylbenzene	20	U	
100-42-5	Styrene	20	U	
1330-20-7	Xylene (total)	20	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216894

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 49 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216894

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512LC08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 49 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216895

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC11

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216895

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC11

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	UJ
74-83-9	Bromomethane	13	UJ
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	130	B
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	UJ
591-78-6	2-Hexanone	13	UJ
127-18-4	Tetrachloroethene	13	UJ
79-34-5	1,1,2,2-Tetrachloroethane	13	UJ
108-88-3	Toluene	24	J
108-90-7	Chlorobenzene	13	UJ
100-41-4	Ethylbenzene	13	UJ
100-42-5	Styrene	13	UJ
1330-20-7	Xylene (total)	4	J

an

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG
No.: 216290
Laboratory: IEPA
Page 18 of 48

II. GC/MS Instrument Performance Check

Fraction: VOA (SemiVOA) (*circle one*)

1. ***Evaluate Forms V and Raw Data***

	YES	NO	
a.	[X]	[ ]	Check that Forms V are present and completed for each 12 hour time period.
b.	[X]	[ ]	Check for transcription errors between raw data and Forms V.
c.	[X]	[ ]	Check that the appropriate number of significant figures has been reported and that rounding errors have not occurred.
d.	[X]	[ ]	Check for calculation errors.

2. ***Verify Raw Data Format***

YES	NO	
[X]	[ ]	Check mass spectral listing to determine that the mass assignment is correct and that the mass listing is normalize to the specified ion (m/z 95 for VOA, m/z 198 for SemiVOA).

3. ***Verify Ion Abundance Criteria***

YES	NO	
[X]	[ ]	Check that all ion abundance criteria has been met.

4. ***Verify Background Correction***

YES	NO	
[X]	[ ]	Check that tuning compound spectra were generated using appropriate background correction.

Comments:

III. Initial Calibration

GC/MS

Fraction: VOA SemiVOA (*circle one*)

1. *Verify that the Correct Standard Concentrations Were Used.*

YES	NO	
[X]	[ ]	Check the Forms VI and the raw data to verify that the correct standard concentrations were used to calibrate the GC/MS instrument(s).

2. *Verify that the Correct Initial Calibration was Used for Water and Low Level Soils.*

YES	NO	N/A	
[ ]	[ ]	[X]	Check that initial calibrations were performed as required for water/med. level soil and low level soil.

3. *Verify Use of Correct Standards.*

YES	NO	N/A	
[X]	[ ]	[ ]	Check that the correct standard was used for quantitation of samples, if samples were analyzed immediately subsequent to initial calibration.

4. *Evaluate Initial Calibration* RRFs *and* $\overline{\text{RRF}}$s.

	YES	NO	
a.	[X]	[ ]	Check and recalculate the RRFs and $\overline{\text{RRF}}$s for several target compounds (at least one associated with each internal standard).
b.	[X]	[ ]	Check that, for all target compounds and surrogates, the $\overline{\text{RRF}}$s meet the applicable criteria. Note any "outliers" on the Calibration Outliers Form.

5. *Evaluate Initial Calibration %RSDs.*

	YES	NO	
a.	[X]	[ ]	Check and recalculate the *%RSD* for several target compounds.
b.	[X]	[ ]	Check that the applicable *%RSD* criteria have been met. Note any "outliers" on the Calibration Outliers Form.

Comments:

_____

_____

IV. Continuing Calibration

GC/MS

Fraction: VOA (SemiVOA) (*circle one*)

1. ***Verify Continuing Calibration Frequency.***

YES	NO	
[X]	[ ]	Check the continuing calibration raw data and Forms VII to verify that continuing calibration standards were analyzed at the proper frequency and that each continuing calibration was compared to the appropriate initial calibration.

2. ***Evaluate Continuing Calibration RRFs.***

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *RRFs* for several compounds.
b.	[X]	[ ]	Check that all target compound and surrogate *RRFs* meet the criteria.

3. ***Evaluate Continuing Calibration %Ds.***

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *%Ds* for several compounds.
b.	[X]	[ ]	Check that all target compound and surrogate *%Ds* meet the applicable criteria.

Comments:

SEMIVOLATILE CALIBRATION OUTLIERS

Page 1

Lab Name: IEPA

Case: Old LaSalle Dump

Instrument # INC500	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	6/11/92 946			6/11/92 1601			6/12/92 913								
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Phenol	0.800															
bis(2-Chloroethyl)ether	0.700		32.4	J					30.6	J						
2-Chlorophenol	0.800															
1,3-Dichlorobenzene	0.600															
1,4-Dichlorobenzene	0.500															
1,2-Dichlorobenzene	0.400															
2-Methylphenol	0.700															
2,2' oxybis(1-Chloropropanol)	0.010															
4-Methylphenol	0.600															
N-Nitroso-di-n-propylamine	0.500															
Hexachloroethane	0.300															
Nitrobenzene	0.200															
Isophorone	0.400															
2-Nitrophenol	0.100															
2,4-Dimethylphenol	0.200															
bis(2-Chloroethoxy)methane	0.300															
2,4-Dichlorophenol	0.200															
1,2,4-Trichlorobenzene	0.200															
Naphthalene	0.700															
4-Chloroaniline	0.010		42.8	J		38.7	J									
Hexachlorobutadiene	0.010															
4-Chloro-3-methylphenol	0.200															
2-Methylnaphthalene	0.400															
Hexachlorocyclopentadiene	0.010															
2,4,6-Trichlorophenol	0.200															
2,4,5-Trichlorophenol	0.200															
2-Chloronaphthalene	0.800															
2-Nitroaniline	0.010															
Dimethylphthalate	0.010															
Acenaphthylene	1.300															
2,6-Dinitrotoluene	0.200															
3-Nitroaniline	0.010		33.0	J		58.0	J		52.2	J						
Acenaphthene	0.800															
2,4-Dinitrophenol	0.010															
4-Nitrophenol	0.010															
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

AFFECTED SAMPLES:

SBLKSL	X108	
X101	X110	
X115		
X113		
X103		
X112		
X104		
X105		

Reviewer's Initials/Date: AM 8/19/92

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

SEMIVOLATILE CALIBRATION OUTLIERS

Page 2

Lab Name: IEPA

Case: Old LaSalle Dump

Instrument # XL	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	7/8/92 1152			7/8/92 1152											
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Diethylphthalate	0.010															
4-Chlorophenyl-phenylether	0.400															
Fluorene	0.900															
4-Nitroaniline	0.010															
4,6-Dinitro-2-methylphenol	0.010					28.6	J									
N-Nitrosodiphenylamine (1)	0.010					32.3	J									
4-Bromophenyl-ethylether	0.100															
Hexachlorobenzene	0.100															
Pentachlorophenol	0.050					25.7	J									
Phenanthrene	0.700															
Anthracene	0.700															
Carbazole	0.010															
Di-n-butylphthalate	0.010															
Fluoranthene	0.600															
Pyrene	0.600															
Butylbenzylphthalate	0.010															
3,3'-Dichlorobenzidine	0.010															
Benzo(a)anthracene	0.800															
'sene	0.700															
2-Ethylhexyl)phthalate	0.010															
Di-n-octylphthalate	0.010					27.8	J									
Benzo(b)fluoranthene	0.700					25.4	J									
Benzo(k)fluoranthene	0.700					27.4	J									
Benzo(a)pyrene	0.700															
Indeno(1,2,3-cd)pyrene	0.500															
Dibenz(a,h)anthracene	0.400															
Benzo(g,h,i)perylene	0.500															
Nitrobenzene-d5	0.200															
2-Fluorobiphenol	0.700															
Terphenyl-d14	0.500															
Phenol-d6	0.800															
2-Fluorophenol	0.600															
2-Chlorophenol-d4	0.800															
1,2-Dichlorobenzene-d4	0.400															
4-Nitrophenol	0.010															
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

SEE PAGE 1 FOR AFFECTED SAMPLES

wer's
s/Date 8/19/92

Data Validation Checklist
Site Name: Old LaSalle Dump
SDG No.: 216890
Laboratory: IEP
Page 27 of 48

V. Blanks

Fraction: VOA (SemiVOA) Pest. (*circle one*)

1. ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs. Note all contaminated blanks and associated samples below.

2. ***Verify Blank Frequency.***

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency.

Blank Summary

Blank Sample No.	SBLKSL	SBLKGPC	SBLKGPC2	
Date Anal. or Extr.	5/13 6/11	5/21 6/12	5/21 6/11	
Instrument	INC 500	INC500	INC500	

TCL Comp'd.	Amount	TCL Comp'd.	Amount	TCL Comp'd.	Amount	TCL Comp'd.	Amount
Di-n-Bu	170						

TIC Comp'd.	Amount	TIC Comp'd.	Amount	TIC Comp'd.	Amount	TIC Comp'd.	Amount

See next pages for TICs in blks.

Note: No instrument blk for instrument XL.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512GK01

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-3	ETHYL ETHER	5.12	14	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512GK01

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	13	UJ	
74-83-9	Bromomethane	13	UJ	
75-01-4	Vinyl Chloride	13	U	
75-00-3	Chloroethane	13	UJ	
75-09-2	Methylene Chloride	270	~~B~~E	an
67-64-1	Acetone	95	~~B~~	an
75-15-0	Carbon Disulfide	13	U	
75-35-4	1,1-Dichloroethene	13	U	
75-34-3	1,1-Dichloroethane	13	U	
540-59-0	1,2-Dichloroethene (total)	13	U	
67-66-3	Chloroform	13	U	
107-06-2	1,2-Dichloroethane	13	U	
78-93-3	2-Butanone	80	~~B~~	an
71-55-6	1,1,1-Trichloroethane	5	J	
56-23-5	Carbon Tetrachloride	13	U	
75-27-4	Bromodichloromethane	13	U	
78-87-5	1,2-Dichloropropane	13	U	
10061-01-5	cis-1,3-Dichloropropene	13	U	
79-01-6	Trichloroethene	13	U	
124-48-1	Dibromochloromethane	13	U	
79-00-5	1,1,2-Trichloroethane	13	U	
71-43-2	Benzene	4	J	
10061-02-6	trans-1,3-Dichloropropene	13	U	
75-25-2	Bromoform	13	U	
108-10-1	4-Methyl-2-Pentanone	13	UJ	
591-78-6	2-Hexanone	13	UJ	
127-18-4	Tetrachloroethene	13	UJ	
79-34-5	1,1,2,2-Tetrachloroethane	13	UJ	
108-88-3	Toluene	39	J	
108-90-7	Chlorobenzene	13	UJ	
100-41-4	Ethylbenzene	13	UJ	
100-42-5	Styrene	3	J	
1330-20-7	Xylene (total)	10	J	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107DL

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896DL

Sample wt/vol: 3.0 (g/mL) G Lab File ID: B0512GK06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107DL

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896DL

Sample wt/vol: 3.0 (g/mL) G Lab File ID: B0512GK06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	22	UJ	
74-83-9	Bromomethane	22	UJ	
75-01-4	Vinyl Chloride	22	U	
75-00-3	Chloroethane	22	UJ	
75-09-2	Methylene Chloride	250	~~B~~D	an
67-64-1	Acetone	13	~~BDJ~~U	an
75-15-0	Carbon Disulfide	22	U	
75-35-4	1,1-Dichloroethene	22	U	
75-34-3	1,1-Dichloroethane	22	U	
540-59-0	1,2-Dichloroethene (total)	22	U	
67-66-3	Chloroform	22	U	
107-06-2	1,2-Dichloroethane	22	U	
78-93-3	2-Butanone	22	U	
71-55-6	1,1,1-Trichloroethane	22	U	
56-23-5	Carbon Tetrachloride	22	U	
75-27-4	Bromodichloromethane	22	U	
78-87-5	1,2-Dichloropropane	22	U	
10061-01-5	cis-1,3-Dichloropropene	22	U	
79-01-6	Trichloroethene	22	U	
124-48-1	Dibromochloromethane	22	U	
79-00-5	1,1,2-Trichloroethane	22	U	
71-43-2	Benzene	22	U	
10061-02-6	trans-1,3-Dichloropropene	22	U	
75-25-2	Bromoform	22	U	
108-10-1	4-Methyl-2-Pentanone	22	UJ	
591-78-6	2-Hexanone	22	UJ	
127-18-4	Tetrachloroethene	22	UJ	
79-34-5	1,1,2,2-Tetrachloroethane	22	UJ	
108-88-3	Toluene	45	DJ	
108-90-7	Chlorobenzene	22	UJ	
100-41-4	Ethylbenzene	22 ~~B~~	~~D~~UJ	an
100-42-5	Styrene	22	UJ	
1330-20-7	Xylene (total)	11	DJ	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216897

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512GK03

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 36 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-3	ETHYL ETHER	5.02	8	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216897

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0512GK03

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 36 Date Analyzed: 05/12/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	16	UJ	
74-83-9	Bromomethane	16	UJ	
75-01-4	Vinyl Chloride	16	U	
75-00-3	Chloroethane	16	UJ	
75-09-2	Methylene Chloride	86	~~B~~U	am
67-64-1	Acetone	61	~~B~~U	am
75-15-0	Carbon Disulfide	16	U	
75-35-4	1,1-Dichloroethene	16	U	
75-34-3	1,1-Dichloroethane	16	U	
540-59-0	1,2-Dichloroethene (total)	16	U	
67-66-3	Chloroform	16	U	
107-06-2	1,2-Dichloroethane	16	U	
78-93-3	2-Butanone	29	~~B~~U	am
71-55-6	1,1,1-Trichloroethane	16	U	
56-23-5	Carbon Tetrachloride	16	U	
75-27-4	Bromodichloromethane	16	U	
78-87-5	1,2-Dichloropropane	16	U	
10061-01-5	cis-1,3-Dichloropropene	16	U	
79-01-6	Trichloroethene	16	U	
124-48-1	Dibromochloromethane	16	U	
79-00-5	1,1,2-Trichloroethane	16	U	
71-43-2	Benzene	16	U	
10061-02-6	trans-1,3-Dichloropropene	16	U	
75-25-2	Bromoform	16	U	
108-10-1	4-Methyl-2-Pentanone	16	U	
591-78-6	2-Hexanone	16	U	
127-18-4	Tetrachloroethene	16	U	
79-34-5	1,1,2,2-Tetrachloroethane	16	U	
108-88-3	Toluene	8	J	
108-90-7	Chlorobenzene	16	U	
100-41-4	Ethylbenzene	16	U	
100-42-5	Styrene	16	U	
1330-20-7	Xylene (total)	16	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216898

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-3	ETHYL ETHER	5.10	7	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216898

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 23 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	UJ
74-83-9	Bromomethane	13	UJ
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	120	~~B~~ am
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	19	
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC06

Level: _ (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 18 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-3	ETHYL ETHER	5.10	9	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 18 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	UJ
74-83-9	Bromomethane	12	UJ
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	230	~~B~~
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	UJ
591-78-6	2-Hexanone	12	UJ
127-18-4	Tetrachloroethene	12	UJ
79-34-5	1,1,2,2-Tetrachloroethane	12	UJ
108-88-3	Toluene	17	J
108-90-7	Chlorobenzene	12	UJ
100-41-4	Ethylbenzene	12	UJ
100-42-5	Styrene	12	UJ
1330-20-7	Xylene (total)	12	UJ

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216900

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513GK04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 29 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216900

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513GK04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 29 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	UJ
74-83-9	Bromomethane	14	UJ
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	71	~~B~~
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	4	J

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216901

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 34 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216901

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 34 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216902

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 21 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216902

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 21 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U J
74-83-9	Bromomethane	13	U J
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	59	~~B~~ an
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 25 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-3	ETHYL ETHER	5.10	7	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216903

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 25 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	UJ
74-83-9	Bromomethane	13	UJ
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	120	~~B~~ am
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	14	
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	3	J
1330-20-7	Xylene (total)	6	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216904

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 30 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216904

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0513LC09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: not dec. 30 Date Analyzed: 05/13/92

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	14	UJ	
74-83-9	Bromomethane	14	UJ	
75-01-4	Vinyl Chloride	14	U	
75-00-3	Chloroethane	14	U	
75-09-2	Methylene Chloride	67	~~B~~	am
67-64-1	Acetone	140	~~B~~	am
75-15-0	Carbon Disulfide	14	U	
75-35-4	1,1-Dichloroethene	14	U	
75-34-3	1,1-Dichloroethane	14	U	
540-59-0	1,2-Dichloroethene (total)	14	U	
67-66-3	Chloroform	14	U	
107-06-2	1,2-Dichloroethane	14	U	
78-93-3	2-Butanone	160	~~B~~	am
71-55-6	1,1,1-Trichloroethane	14	U	
56-23-5	Carbon Tetrachloride	14	U	
75-27-4	Bromodichloromethane	14	U	
78-87-5	1,2-Dichloropropane	14	U	
10061-01-5	cis-1,3-Dichloropropene	14	U	
79-01-6	Trichloroethene	14	U	
124-48-1	Dibromochloromethane	14	U	
79-00-5	1,1,2-Trichloroethane	14	U	
71-43-2	Benzene	14	U	
10061-02-6	trans-1,3-Dichloropropene	14	U	
75-25-2	Bromoform	14	U	
108-10-1	4-Methyl-2-Pentanone	14	U	
591-78-6	2-Hexanone	14	U	
127-18-4	Tetrachloroethene	14	U	
79-34-5	1,1,2,2-Tetrachloroethane	14	U	
108-88-3	Toluene	4	J	
108-90-7	Chlorobenzene	14	U	
100-41-4	Ethylbenzene	14	U	
100-42-5	Styrene	14	U	
1330-20-7	Xylene (total)	14	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216890

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0611T06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-10-6	4-Nitroaniline	920	UJ
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	390	~~B~~U am
206-44-0	Fluoranthene	48	J
129-00-0	Pyrene	48	J
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	UJ
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216890

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0611T06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-Propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)Methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	UJ
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	920	UJ
83-32-9	Acenaphthene	380	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216891

Sample wt/vol: 30.6 (g/mL) G Lab File ID: C0701K03

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 46 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	6000	U
111-44-4	bis(2-Chloroethyl)Ether	6000	U
95-57-8	2-Chlorophenol	6000	U
541-73-1	1,3-Dichlorobenzene	6000	U
106-46-7	1,4-Dichlorobenzene	6000	U
95-50-1	1,2-Dichlorobenzene	6000	U
95-48-7	2-Methylphenol	6000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	6000	UJ
106-44-5	4-Methylphenol	6000	U
621-64-7	N-Nitroso-Di-n-Propylamine	6000	U
67-72-1	Hexachloroethane	6000	U
98-95-3	Nitrobenzene	6000	U
78-59-1	Isophorone	6000	U
88-75-5	2-Nitrophenol	6000	U
105-67-9	2,4-Dimethylphenol	6000	U
111-91-1	bis(2-Chloroethoxy)Methane	6000	U
120-83-2	2,4-Dichlorophenol	6000	U
120-82-1	1,2,4-Trichlorobenzene	6000	U
91-20-3	Naphthalene	6000	U
106-47-8	4-Chloroaniline	6000	U
87-68-3	Hexachlorobutadiene	6000	U
59-50-7	4-Chloro-3-Methylphenol	6000	U
91-57-6	2-Methylnaphthalene	6000	U
77-47-4	Hexachlorocyclopentadiene	6000	U
88-06-2	2,4,6-Trichlorophenol	6000	U
95-95-4	2,4,5-Trichlorophenol	15000	U
91-58-7	2-Chloronaphthalene	6000	U
88-74-4	2-Nitroaniline	15000	UJ
131-11-3	Dimethylphthalate	6000	U
208-96-8	Acenaphthylene	6000	U
606-20-2	2,6-Dinitrotoluene	6000	U
99-09-2	3-Nitroaniline	15000	UJ
83-32-9	Acenaphthene	6000	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216890

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0611T06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UKN. METHYL PENTENONE	7.92	940	~~BAJ~~ U	am
2.	UNKNOWN	8.45	2900	~~BJ~~ U	am
3.	UNK. HYDROXYMETHYL PENTANONE	9.34	48000	~~BAJ~~ U	
4.	UNKNOWN	9.62	1300	J	
5.	UNKNOWN ALIP. HYDROCARBON	9.75	510	~~BJ~~ U	am
6.	UNKNOWN ALIP. HYDROCARBON	9.94	460	~~BJ~~ U	am
7.	UNKNOWN	10.34	270	~~BJ~~ U	am
8.	UNKNOWN	10.99	1300	~~BJ~~ U	am
9.	UNKNOWN	11.67	710	~~BJ~~ U	am
10.	UNKNOWN	12.09	290	~~BJ~~ U	am
11.	UNKNOWN	12.69	3800	~~BJ~~ U	am
12.	UNKNOWN	13.99	5200	~~BJ~~ U	am
13.	UNKNOWN	16.32	320	~~BJ~~ U	am
14.	UNKNOWN	23.30	550	~~BJ~~ U	am
15.	UNKNOWN	26.12	200	J	
16.	UNKNOWN	27.71	280	J	
17.	UNKNOWN	27.79	370	J	
18.	UNKNOWN	32.61	410	~~BJ~~ U	am
19.	UNKNOWN ALIP. HYDROCARBON	33.52	340	J	
20.	UNKNOWN	33.59	290	J	
21.	UNKNOWN ALIP. HYDROCARBON	35.71	610	J	
22.	UNKNOWN ALIP. HYDROCARBON	37.02	580	J	
23.	UNKNOWN	37.71	1600	J	
24.	UNKNOWN ALIP. HYDROCARBON	38.64	2000	J	
25.	UNKNOWN ALIP. HYDROCARBON	38.82	4000	J	
26.	UNKNOWN ALIP. HYDROCARBON	42.83	3100	J	
27.	UNKNOWN	49.38	2400	J	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102RE

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216891

Sample wt/vol: 30.6 (g/mL) G Lab File ID: C0701K03

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 46 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	8.05	2700	~~BJ~~ u	am
2.	UNK. HYDROXYMETHYL PENTANONE	8.79	55000	~~BAJ~~ u	am
3.	UNKNOWN	12.34	3100	~~BJ~~ u	am

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216891

Sample wt/vol: 30.6 (g/mL) G Lab File ID: C0701K03

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 46 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	15000	U
100-02-7	4-Nitrophenol	15000	UJ
132-64-9	Dibenzofuran	6000	U
121-14-2	2,4-Dinitrotoluene	6000	U
84-66-2	Diethylphthalate	6000	U
7005-72-3	4-Chlorophenyl-phenylether	6000	U
86-73-7	Fluorene	6000	U
100-10-6	4-Nitroaniline	15000	U
534-52-1	4,6-Dinitro-2-methylphenol	15000	U
86-30-6	N-Nitrosodiphenylamine (1)	6000	U
101-55-3	4-Bromophenyl-phenylether	6000	U
118-74-1	Hexachlorobenzene	6000	U
87-86-5	Pentachlorophenol	15000	U
85-01-8	Phenanthrene	6000	U
120-12-7	Anthracene	6000	U
86-74-8	Carbazole	6000	UJ
84-74-2	Di-n-Butylphthalate	6000	U
206-44-0	Fluoranthene	6000	U
129-00-0	Pyrene	6000	U
85-68-7	Butylbenzylphthalate	6000	U
91-94-1	3,3'-Dichlorobenzidine	6000	U
56-55-3	Benzo(a)Anthracene	6000	U
218-01-9	Chrysene	6000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	6000	U
117-84-0	Di-n-Octyl Phthalate	6000	UJ
205-99-2	Benzo(b)Fluoranthene	6000	U
207-08-9	Benzo(k)Fluoranthene	6000	U
50-32-8	Benzo(a)Pyrene	6000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	6000	U
53-70-3	Dibenz(a,h)Anthracene	6000	U
191-24-2	Benzo(g,h,i)Perylene	6000	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216892

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0611T09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	700	U
121-14-2	2,4-Dinitrotoluene	700	U
84-66-2	Diethylphthalate	700	U
7005-72-3	4-Chlorophenyl-phenylether	700	U
86-73-7	Fluorene	700	U
100-10-6	4-Nitroaniline	1700	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	700	U
101-55-3	4-Bromophenyl-phenylether	700	U
118-74-1	Hexachlorobenzene	700	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	700	U
120-12-7	Anthracene	700	U
86-74-8	Carbazole	700	U
84-74-2	Di-n-Butylphthalate	700 ~~630~~	~~BJ~~ U am
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	180	J
85-68-7	Butylbenzylphthalate	700	U
91-94-1	3,3'-Dichlorobenzidine	700	UJ
56-55-3	Benzo(a)Anthracene	700	U
218-01-9	Chrysene	700	U
117-81-7	bis(2-Ethylhexyl)Phthalate	150	J
117-84-0	Di-n-Octyl Phthalate	700	U
205-99-2	Benzo(b)Fluoranthene	700	U
207-08-9	Benzo(k)Fluoranthene	700	U
50-32-8	Benzo(a)Pyrene	700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	700	U
53-70-3	Dibenz(a,h)Anthracene	700	U
191-24-2	Benzo(g,h,i)Perylene	700	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216892

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0611T09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	700	U
111-44-4	bis(2-Chloroethyl)Ether	700	U
95-57-8	2-Chlorophenol	700	U
541-73-1	1,3-Dichlorobenzene	700	U
106-46-7	1,4-Dichlorobenzene	700	U
95-50-1	1,2-Dichlorobenzene	700	U
95-48-7	2-Methylphenol	700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	700	U
106-44-5	4-Methylphenol	700	U
621-64-7	N-Nitroso-Di-n-Propylamine	700	U
67-72-1	Hexachloroethane	700	U
98-95-3	Nitrobenzene	700	U
78-59-1	Isophorone	700	U
88-75-5	2-Nitrophenol	700	U
105-67-9	2,4-Dimethylphenol	700	U
111-91-1	bis(2-Chloroethoxy)Methane	700	U
120-83-2	2,4-Dichlorophenol	700	U
120-82-1	1,2,4-Trichlorobenzene	700	U
91-20-3	Naphthalene	700	U
106-47-8	4-Chloroaniline	700	UJ
87-68-3	Hexachlorobutadiene	700	U
59-50-7	4-Chloro-3-Methylphenol	700	U
91-57-6	2-Methylnaphthalene	700	U
77-47-4	Hexachlorocyclopentadiene	700	U
88-06-2	2,4,6-Trichlorophenol	700	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	700	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	700	U
208-96-8	Acenaphthylene	700	U
606-20-2	2,6-Dinitrotoluene	700	U
99-09-2	3-Nitroaniline	1700	UJ
83-32-9	Acenaphthene	700	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216893

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B0611T11

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	640	U
111-44-4	bis(2-Chloroethyl)Ether	640	U
95-57-8	2-Chlorophenol	640	U
541-73-1	1,3-Dichlorobenzene	640	U
106-46-7	1,4-Dichlorobenzene	640	U
95-50-1	1,2-Dichlorobenzene	640	U
95-48-7	2-Methylphenol	640	U
108-60-1	2,2'-oxybis(1-Chloropropane)	640	U
106-44-5	4-Methylphenol	640	U
621-64-7	N-Nitroso-Di-n-Propylamine	640	U
67-72-1	Hexachloroethane	640	U
98-95-3	Nitrobenzene	640	U
78-59-1	Isophorone	640	U
88-75-5	2-Nitrophenol	640	U
105-67-9	2,4-Dimethylphenol	640	U
111-91-1	bis(2-Chloroethoxy)Methane	640	U
120-83-2	2,4-Dichlorophenol	640	U
120-82-1	1,2,4-Trichlorobenzene	640	U
91-20-3	Naphthalene	640	U
106-47-8	4-Chloroaniline	640	UJ
87-68-3	Hexachlorobutadiene	640	U
59-50-7	4-Chloro-3-Methylphenol	640	U
91-57-6	2-Methylnaphthalene	640	U
77-47-4	Hexachlorocyclopentadiene	640	U
88-06-2	2,4,6-Trichlorophenol	640	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	640	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethylphthalate	640	U
208-96-8	Acenaphthylene	640	U
606-20-2	2,6-Dinitrotoluene	640	U
99-09-2	3-Nitroaniline	1500	UJ
83-32-9	Acenaphthene	640	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216892

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0611T09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 53 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNK. METHYL PENTANONE	7.92	310	~~BAJ~~ U	an
2.	UNKNOWN	8.44	290	~~BJ~~ U	an
3.	UNKNOWN	8.54	3300	~~BJ~~ U	an
4.	UNK. HYDROXYMETHYL PENTANONE	9.35	43000	~~BAJ~~ U	
5.	UNKNOWN	10.99	2000	~~BJ~~ U	an
6.	UNKNOWN	12.70	10000	~~BJ~~ U	an
7.	UNKNOWN	13.95	6500	~~BJ~~ U	an
8.	UNKNOWN ALIP. ACID	27.79	1000	J	
9.	UNKNOWN	29.22	870	J	
10.	UNKNOWN ALIP. HYDROCARBON	31.54	390	J	
11.	UNKNOWN	31.67	28	J	
12.	UNKNOWN	31.71	47	J	
13.	UNKNOWN	32.31	150	J	
14.	UNKNOWN	32.56	340	J	
15.	UNKNOWN	32.61	310	~~BJ~~ U	an
16.	UNKNOWN	32.84	93	J	
17.	UNKNOWN	33.17	58	J	
18.	UNKNOWN	33.52	1700	J	
19.	UNKNOWN	33.91	230	J	
20.	UNKNOWN	34.54	380	J	
21.	UNKNOWN ALIP. HYDROCARBON	35.71	630	J	
22.	UNKNOWN	35.79	450	J	
23.	UNKNOWN	36.01	280	J	
24.	UNKNOWN	36.17	160	J	
25.	UNKNOWN	36.46	120	J	
26.	UNKNOWN	37.04	260	J	
27.	UNKNOWN	37.31	79	J	
28.	UNKNOWN ALIP. HYDROCARBON	38.64	1700	J	
29.	UNKNOWN ALIP. HYDROCARBON	38.82	550	J	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216893

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B0611T11

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	8.44	180	~~BJ~~ U	am
2.	UNKNOWN	8.55	120	~~BJ~~ U	am
3.	UNK. HYDROXYMETHYL PENTANONE	9.35	39000	~~BAJ~~ U	am
4.	UNKNOWN	10.97	1800	~~BJ~~ U	am
5.	UNKNOWN	12.69	7100	~~BJ~~ U	am
6.	UNKNOWN	13.97	6000	~~BJ~~ U	am
7.	UNKNOWN ALIP. HYDROCARBON	31.54	370	J	
8.	UNKNOWN	31.69	79	J	
9.	UNKNOWN	32.17	18	J	
10.	UNKNOWN	32.31	100	J	
11.	UNKNOWN	32.54	250	J	
12.	UNKNOWN	32.81	170	J	
13.	UNKNOWN	32.89	180	J	
14.	UNKNOWN	33.27	42	J	
15.	UNKNOWN ALIP. HYDROCARBON	33.52	1800	J	
16.	UNKNOWN	33.89	240	J	
17.	UNKNOWN ALIP. HYDROCARBON	34.52	400	J	
18.	UNKNOWN ALIP. HYDROCARBON	35.71	1500	J	
19.	UNKNOWN	35.96	130	J	
20.	UNKNOWN	36.19	77	J	
21.	UNKNOWN	37.04	290	J	
22.	UNKNOWN ALIP. HYDROCARBON	38.64	2100	J	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216893

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B0611T11

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	640	U
121-14-2	2,4-Dinitrotoluene	640	U
84-66-2	Diethylphthalate	640	U
7005-72-3	4-Chlorophenyl-phenylether	640	U
86-73-7	Fluorene	640	U
100-10-6	4-Nitroaniline	1500	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine (1)	640	U
101-55-3	4-Bromophenyl-phenylether	640	U
118-74-1	Hexachlorobenzene	640	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	640	U
120-12-7	Anthracene	640	U
86-74-8	Carbazole	640	U
84-74-2	Di-n-Butylphthalate	640 ~~490~~	~~BJ~~U am
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	640	U
91-94-1	3,3'-Dichlorobenzidine	640	UJ
56-55-3	Benzo(a)Anthracene	150	J
218-01-9	Chrysene	640	U
117-81-7	bis(2-Ethylhexyl)Phthalate	640	U
117-84-0	Di-n-Octyl Phthalate	640	U
205-99-2	Benzo(b)Fluoranthene	350	J
207-08-9	Benzo(k)Fluoranthene	640	U
50-32-8	Benzo(a)Pyrene	640	U
193-39-5	Indeno(1,2,3-cd)Pyrene	640	U
53-70-3	Dibenz(a,h)Anthracene	640	U
191-24-2	Benzo(g,h,i)Perylene	640	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216894

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0611T12

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	640	U
121-14-2	2,4-Dinitrotoluene	640	U
84-66-2	Diethylphthalate	640	U
7005-72-3	4-Chlorophenyl-phenylether	640	U
86-73-7	Fluorene	640	U
100-10-6	4-Nitroaniline	1600	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	640	U
101-55-3	4-Bromophenyl-phenylether	640	U
118-74-1	Hexachlorobenzene	640	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	640	U
120-12-7	Anthracene	640	U
86-74-8	Carbazole	640	U
84-74-2	Di-n-Butylphthalate	640 ~~430~~	~~BJ~~ U am
206-44-0	Fluoranthene	170	J
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	640	U
91-94-1	3,3'-Dichlorobenzidine	640	UJ
56-55-3	Benzo(a)Anthracene	640	U
218-01-9	Chrysene	640	U
117-81-7	bis(2-Ethylhexyl)Phthalate	640	U
117-84-0	Di-n-Octyl Phthalate	640	U
205-99-2	Benzo(b)Fluoranthene	350	J
207-08-9	Benzo(k)Fluoranthene	640	U
50-32-8	Benzo(a)Pyrene	640	U
193-39-5	Indeno(1,2,3-cd)Pyrene	640	U
53-70-3	Dibenz(a,h)Anthracene	640	U
191-24-2	Benzo(g,h,i)Perylene	640	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216894

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0611T12

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ an

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	640	U
111-44-4	bis(2-Chloroethyl)Ether	640	U
95-57-8	2-Chlorophenol	640	U
541-73-1	1,3-Dichlorobenzene	640	U
106-46-7	1,4-Dichlorobenzene	640	U
95-50-1	1,2-Dichlorobenzene	640	U
95-48-7	2-Methylphenol	640	U
108-60-1	2,2'-oxybis(1-Chloropropane)	640	U
106-44-5	4-Methylphenol	640	U
621-64-7	N-Nitroso-Di-n-Propylamine	640	U
67-72-1	Hexachloroethane	640	U
98-95-3	Nitrobenzene	640	U
78-59-1	Isophorone	640	U
88-75-5	2-Nitrophenol	640	U
105-67-9	2,4-Dimethylphenol	640	U
111-91-1	bis(2-Chloroethoxy)Methane	640	U
120-83-2	2,4-Dichlorophenol	640	U
120-82-1	1,2,4-Trichlorobenzene	640	U
91-20-3	Naphthalene	640	U
106-47-8	4-Chloroaniline	640	UJ
87-68-3	Hexachlorobutadiene	640	U
59-50-7	4-Chloro-3-Methylphenol	640	U
91-57-6	2-Methylnaphthalene	640	U
77-47-4	Hexachlorocyclopentadiene	640	U
88-06-2	2,4,6-Trichlorophenol	640	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	640	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	640	U
208-96-8	Acenaphthylene	640	U
606-20-2	2,6-Dinitrotoluene	640	U
99-09-2	3-Nitroaniline	1600	UJ
83-32-9	Acenaphthene	640	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216895

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0701K04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216894

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0611T12

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 49 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	8.45	240	~~BJ~~ U	am
2.	UNK. HYDROXYMETHYL PENTANONE	9.37	3800	~~BAJ~~ U	am
3.	UNKNOWN	10.99	2300	~~BJ~~ U	
4.	UNKNOWN	12.70	8700	~~BJ~~ U	am
5.	UNKNOWN	13.99	8500	~~BJ~~ U	am
6.	UNKNOWN	27.36	170	J	
7.	UNKNOWN	28.71	120	J	
8.	UNKNOWN	29.74	130	J	
9.	UNKNOWN	30.14	200	J	
10.	UNKNOWN	31.54	310	J	
11.	UNKNOWN	31.72	100	J	
12.	UNKNOWN	32.32	140	J	
13.	UNKNOWN	32.61	690	~~BJ~~ U	am
14.	UNKNOWN	32.84	120	J	
15.	UNKNOWN	33.02	19	J	
16.	UNKNOWN	33.17	190	J	
17.	UNKNOWN	33.29	67	J	
18.	UNKNOWN ALIP. HYDROCARBON	33.54	1300	J	
19.	UNKNOWN	33.96	340	J	
20.	UNKNOWN	34.56	460	J	
21.	UNKNOWN	34.87	93	J	
22.	UNKNOWN ALIP. HYDROCARBON	35.71	960	J	

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216895

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0701K04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN PCB	25.19	130000	J
2.	UNKNOWN PCB	26.22	82000	J
3.	UNKNOWN PCB	26.27	260000	J
4.	UNKNOWN PCB	27.02	500000	J
5.	UNKNOWN PCB	27.22	87000	J
6.	UNKNOWN PCB	27.34	58000	J
7.	UNKNOWN PCB	27.44	280000	J
8.	UNKNOWN PCB	27.74	33000	J
9.	UNKNOWN PCB	27.79	300000	J
10.	UNKNOWN PCB	27.92	190000	J
11.	UNKNOWN PCB	27.99	110000	J
12.	UNKNOWN PCB	28.34	87000	J
13.	UNKNOWN PCB	28.41	92000	J
14.	UNKNOWN PCB	28.46	110000	J
15.	UNKNOWN PCB	28.59	150000	J
16.	UNKNOWN PCB	28.64	82000	J
17.	UNKNOWN PCB	28.81	76000	J
18.	UNKNOWN PCB	29.07	24000	J
19.	UNKNOWN PCB	29.16	200000	J
20.	UNKNOWN PCB	29.26	150000	J
21.	UNKNOWN PCB	29.36	210000	J
22.	UNKNOWN PCB	29.74	270000	J
23.	UNKNOWN PCB	29.81	200000	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216895

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0701K04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	UJ
132-64-9	Dibenzofuran	4300	U
121-14-2	2,4-Dinitrotoluene	4300	U
84-66-2	Diethylphthalate	4300	U
7005-72-3	4-Chlorophenyl-phenylether	4300	U
86-73-7	Fluorene	4300	U
100-10-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine (1)	4300	U
101-55-3	4-Bromophenyl-phenylether	4300	U
118-74-1	Hexachlorobenzene	4300	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	4300	U
120-12-7	Anthracene	4300	U
86-74-8	Carbazole	4300	UJ
84-74-2	Di-n-Butylphthalate	4300	U
206-44-0	Fluoranthene	4300	U
129-00-0	Pyrene	4300	U
85-68-7	Butylbenzylphthalate	4300	U
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)Anthracene	4300	U
218-01-9	Chrysene	4300	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4300	U
117-84-0	Di-n-Octyl Phthalate	4300	UJ
205-99-2	Benzo(b)Fluoranthene	4300	U
207-08-9	Benzo(k)Fluoranthene	4300	U
50-32-8	Benzo(a)Pyrene	4300	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4300	U
53-70-3	Dibenz(a,h)Anthracene	4300	U
191-24-2	Benzo(g,h,i)Perylene	4300	U

(1) - Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107RE

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896

Sample wt/vol: 30.4 (g/mL) G Lab File ID: C0701K05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	UJ
132-64-9	Dibenzofuran	4200	U
121-14-2	2,4-Dinitrotoluene	4200	U
84-66-2	Diethylphthalate	4200	U
7005-72-3	4-Chlorophenyl-phenylether	4200	U
86-73-7	Fluorene	4200	U
100-10-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine (1)	4200	U
101-55-3	4-Bromophenyl-phenylether	4200	U
118-74-1	Hexachlorobenzene	4200	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	4200	U
120-12-7	Anthracene	4200	U
86-74-8	Carbazole	4200	UJ
84-74-2	Di-n-Butylphthalate	4200	U
206-44-0	Fluoranthene	4200	U
129-00-0	Pyrene	4200	U
85-68-7	Butylbenzylphthalate	4200	U
91-94-1	3,3'-Dichlorobenzidine	4200	U
56-55-3	Benzo(a)Anthracene	4200	U
218-01-9	Chrysene	4200	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4200	U
117-84-0	Di-n-Octyl Phthalate	4200	UJ
205-99-2	Benzo(b)Fluoranthene	4200	U
207-08-9	Benzo(k)Fluoranthene	4200	U
50-32-8	Benzo(a)Pyrene	4200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4200	U
53-70-3	Dibenz(a,h)Anthracene	4200	U
191-24-2	Benzo(g,h,i)Perylene	4200	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896

Sample wt/vol: 30.4 (g/mL) G Lab File ID: C0701K05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4200	U
111-44-4	bis(2-Chloroethyl)Ether	4200	U
95-57-8	2-Chlorophenol	4200	U
541-73-1	1,3-Dichlorobenzene	4200	U
106-46-7	1,4-Dichlorobenzene	4200	U
95-50-1	1,2-Dichlorobenzene	4200	U
95-48-7	2-Methylphenol	4200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4200	UJ
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitroso-Di-n-Propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethylphenol	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
120-82-1	1,2,4-Trichlorobenzene	4200	U
91-20-3	Naphthalene	4200	U
106-47-8	4-Chloroaniline	4200	U
87-68-3	Hexachlorobutadiene	4200	U
59-50-7	4-Chloro-3-Methylphenol	4200	U
91-57-6	2-Methylnaphthalene	4200	U
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	10000	U
91-58-7	2-Chloronaphthalene	4200	U
88-74-4	2-Nitroaniline	10000	UJ
131-11-3	Dimethylphthalate	4200	U
208-96-8	Acenaphthylene	4200	U
606-20-2	2,6-Dinitrotoluene	4200	U
99-09-2	3-Nitroaniline	10000	UJ
83-32-9	Acenaphthene	4200	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216897

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0612W04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 36 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510	U
111-44-4	bis(2-Chloroethyl)Ether	510	UJ
95-57-8	2-Chlorophenol	510	U
541-73-1	1,3-Dichlorobenzene	510	U
106-46-7	1,4-Dichlorobenzene	510	U
95-50-1	1,2-Dichlorobenzene	510	U
95-48-7	2-Methylphenol	510	U
108-60-1	2,2'-oxybis(1-Chloropropane)	510	U
106-44-5	4-Methylphenol	510	U
621-64-7	N-Nitroso-Di-n-Propylamine	510	U
67-72-1	Hexachloroethane	510	U
98-95-3	Nitrobenzene	510	U
78-59-1	Isophorone	510	U
88-75-5	2-Nitrophenol	510	U
105-67-9	2,4-Dimethylphenol	510	U
111-91-1	bis(2-Chloroethoxy)Methane	510	U
120-83-2	2,4-Dichlorophenol	510	U
120-82-1	1,2,4-Trichlorobenzene	510	U
91-20-3	Naphthalene	510	U
106-47-8	4-Chloroaniline	510	U
87-68-3	Hexachlorobutadiene	510	U
59-50-7	4-Chloro-3-Methylphenol	510	U
91-57-6	2-Methylnaphthalene	510	U
77-47-4	Hexachlorocyclopentadiene	510	U
88-06-2	2,4,6-Trichlorophenol	510	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	510	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	510	U
208-96-8	Acenaphthylene	510	U
606-20-2	2,6-Dinitrotoluene	510	U
99-09-2	3-Nitroaniline	1200	UJ
83-32-9	Acenaphthene	510	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896

Sample wt/vol: 30.4 (g/mL) G Lab File ID: C0701K05

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN PCB	25.19	140000	J
2.	UNKNOWN PCB	26.26	88000	J
3.	UNKNOWN PCB	26.29	290000	J
4.	UNKNOWN PCB	27.01	540000	J
5.	UNKNOWN PCB	27.07	160000	J
6.	UNKNOWN PCB	27.26	110000	J
7.	UNKNOWN PCB	27.49	310000	J
8.	UNKNOWN PCB	27.76	170000	J
9.	UNKNOWN PCB	27.84	200000	J
10.	UNKNOWN PCB	27.96	240000	J
11.	UNKNOWN PCB	28.04	120000	J
12.	UNKNOWN PCB	28.37	310000	J
13.	UNKNOWN PCB	28.46	170000	J
14.	UNKNOWN PCB	28.46	160000	J
15.	UNKNOWN PCB	28.51	140000	J
16.	UNKNOWN PCB	28.67	310000	J
17.	UNKNOWN PCB	28.82	75000	J
18.	UNKNOWN PCB	29.11	24000	J
19.	UNKNOWN PCB	29.21	230000	J
20.	UNKNOWN PCB	29.31	200000	J
21.	UNKNOWN PCB	29.42	240000	J
22.	UNKNOWN PCB	29.77	380000	J
23.	UNKNOWN PCB	29.84	210000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216897

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0612W04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 36 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNK. HYDROXYMETHYL PENTANONE	9.39	78000	~~BAJ~~ u
2.	UNKNOWN PCB	25.72	5900	J
3.	UNKNOWN PCB	25.81	17000	J
4.	UNKNOWN PCB	26.76	7200	J
5.	UNKNOWN PCB	26.84	6800	J
6.	UNKNOWN PCB	26.87	14000	J
7.	UNKNOWN PCB	27.47	13000	J
8.	UNKNOWN PCB	27.49	1400	J
9.	UNKNOWN PCB	27.54	4200	J
10.	UNKNOWN PCB	28.14	5600	J
11.	UNKNOWN PCB	28.41	18000	J
12.	UNKNOWN PCB	28.51	11000	J
13.	UNKNOWN PCB	28.94	14000	J
14.	UNKNOWN PCB	29.02	3300	J
15.	UNKNOWN PCB	29.06	3200	J
16.	UNKNOWN PCB	29.26	14000	J
17.	UNKNOWN PCB	29.41	13000	J
18.	UNKNOWN PCB	29.44	5600	J
19.	UNKNOWN PCB	29.77	11000	J
20.	UNKNOWN PCB	29.86	5600	J
21.	UNKNOWN PCB	29.96	7600	J
22.	UNKNOWN PCB	29.97	15000	J
23.	UNKNOWN PCB	30.36	59000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216897

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0612W04

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 36 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	510	U
121-14-2	2,4-Dinitrotoluene	510	U
84-66-2	Diethylphthalate	510	U
7005-72-3	4-Chlorophenyl-phenylether	510	U
86-73-7	Fluorene	510	U
100-10-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	510	U
101-55-3	4-Bromophenyl-phenylether	510	U
118-74-1	Hexachlorobenzene	510	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	510	U
86-74-8	Carbazole	510	U
84-74-2	Di-n-Butylphthalate	510	U
206-44-0	Fluoranthene	510	U
129-00-0	Pyrene	510	U
85-68-7	Butylbenzylphthalate	510	U
91-94-1	3,3'-Dichlorobenzidine	510	UJ
56-55-3	Benzo(a)Anthracene	370	J
218-01-9	Chrysene	430	J
117-81-7	bis(2-Ethylhexyl)Phthalate	510	UJ
117-84-0	Di-n-Octyl Phthalate	510	U
205-99-2	Benzo(b)Fluoranthene	1100	
207-08-9	Benzo(k)Fluoranthene	510	U
50-32-8	Benzo(a)Pyrene	510	U
193-39-5	Indeno(1,2,3-cd)Pyrene	510	U
53-70-3	Dibenz(a,h)Anthracene	510	U
191-24-2	Benzo(g,h,i)Perylene	510	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216898

Sample wt/vol: 30.0 (g/mL) G Lab File ID: C0701K06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	UJ
132-64-9	Dibenzofuran	4300	U
121-14-2	2,4-Dinitrotoluene	4300	U
84-66-2	Diethylphthalate	4300	U
7005-72-3	4-Chlorophenyl-phenylether	4300	U
86-73-7	Fluorene	4300	U
100-10-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine (1)	4300	U
101-55-3	4-Bromophenyl-phenylether	4300	U
118-74-1	Hexachlorobenzene	4300	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	1300	J
120-12-7	Anthracene	4300	U
86-74-8	Carbazole	4300	UJ
84-74-2	Di-n-Butylphthalate	4300	U
206-44-0	Fluoranthene	1700	J
129-00-0	Pyrene	2000	J
85-68-7	Butylbenzylphthalate	4300	U
91-94-1	3,3'-Dichlorobenzidine	4300	U
56-55-3	Benzo(a)Anthracene	1000	J
218-01-9	Chrysene	1100	J
117-81-7	bis(2-Ethylhexyl)Phthalate	4300	U
117-84-0	Di-n-Octyl Phthalate	4300	UJ
205-99-2	Benzo(b)Fluoranthene	4300	U
207-08-9	Benzo(k)Fluoranthene	4300	U
50-32-8	Benzo(a)Pyrene	4300	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4300	U
53-70-3	Dibenz(a,h)Anthracene	4300	U
191-24-2	Benzo(g,h,i)Perylene	4300	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216898

Sample wt/vol: 30.0 (g/mL) G Lab File ID: C0701K06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.2

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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0612W10

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	UJ
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	820	
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	1000	
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	490	
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	970	UJ
83-32-9	Acenaphthene	570	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216898

Sample wt/vol: 30.0 (g/mL) G Lab File ID: C0701K06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/01/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.05	2800	~~BJ~~ U
2.	UNK. HYDROXYMETHYL PENTANONE	8.75	54000	~~BAJ~~ U
3.	UNKNOWN PCB	13.59	1800	~~BJ~~
4.	UNKNOWN PCB	25.11	2200	J
5.	UNKNOWN PCB	25.66	2100	J
6.	UNKNOWN PCB	26.16	7700	J
7.	UNKNOWN PCB	26.57	1500	J
8.	UNKNOWN PCB	26.84	27000	J
9.	UNKNOWN PCB	27.07	3500	J
10.	UNKNOWN PCB	27.29	9900	J
11.	UNKNOWN PCB	27.41	2900	J
12.	UNKNOWN PCB	27.64	9600	J
13.	UNKNOWN PCB	27.77	8300	J
14.	UNKNOWN PCB	27.86	5100	J
15.	UNKNOWN PCB	28.17	8200	J
16.	UNKNOWN PCB	28.29	8600	J
17.	UNKNOWN PCB	28.49	11000	J
18.	UNKNOWN PCB	28.69	2100	J
19.	UNKNOWN PCB	29.02	5900	J
20.	UNKNOWN PCB	29.11	6500	J
21.	UNKNOWN PCB	29.21	13000	J
22.	UNKNOWN PCB	29.62	11000	J
23.	UNKNOWN PCB	29.72	5700	J
24.	UNKNOWN PCB	29.86	2000	J
25.	UNKNOWN PCB	30.24	2100	J
26.	UNKNOWN PCB	30.36	4000	J
27.	UNKNOWN PCB	30.59	5900	J
28.	UNKNOWN PCB	30.61	5100	J
29.	UNKNOWN PCB	31.17	4300	J
30.	UNKNOWN PCB	31.81	2700	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0612W10

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNK. HYDROXYMETHYL PENTANONE	9.39	62000	~~BAJ~~ U am
2.	UNKNOWN	12.72	7000	~~BJ~~ U am
3.	UNKNOWN ALIP. HYDROCARBON	24.67	9700	J
4.	UNK. METHYL PHENANTHRENE	27.79	4400	J
5.	UNKNOWN	27.86	1300	J
6.	UNK. METHYL PHENANTHRENE	27.89	3400	J
7.	UNKNOWN	28.14	8200	J
8.	UNKNOWN	29.47	1900	J
9.	UNKNOWN	29.86	350	J
10.	UNKNOWN	30.51	780	J
11.	UNKNOWN ALIP. HYDROCARBON	30.54	1800	J
12.	UNKNOWN	30.59	3600	J
13.	UNKNOWN	31.57	5800	J
14.	UNKNOWN	31.91	2300	J
15.	UNKNOWN	32.26	1600	J
16.	UNKNOWN	33.12	2900	J
17.	UNKNOWN	33.44	2000	J
18.	UNKNOWN	33.46	1200	J
19.	UNKNOWN	33.52	2500	J
20.	UNKNOWN ALIP. HYDROCARBON	33.57	3100	J
21.	UNKNOWN	33.61	1700	J
22.	UNKNOWN	34.34	4200	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0612W10

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	1000	
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-10-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	11000	E
120-12-7	Anthracene	2000	
86-74-8	Carbazole	2000	
84-74-2	Di-n-Butylphthalate	400 ~~240~~	~~BJ~~ U am
206-44-0	Fluoranthene	13000	E
129-00-0	Pyrene	11000	E
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	UJ
56-55-3	Benzo(a)Anthracene	7500	E
218-01-9	Chrysene	6200	E
117-81-7	bis(2-Ethylhexyl)Phthalate	400	UJ
117-84-0	Di-n-Octyl Phthalate	400	U
205-99-2	Benzo(b)Fluoranthene	8400	E
207-08-9	Benzo(k)Fluoranthene	6700	E
50-32-8	Benzo(a)Pyrene	5900	E
193-39-5	Indeno(1,2,3-cd)Pyrene	3100	
53-70-3	Dibenz(a,h)Anthracene	400	U
191-24-2	Benzo(g,h,i)Perylene	3000	

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110DL

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.3 (g/mL) G Lab File ID: C0625K06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/25/92

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9700	UJ
100-02-7	4-Nitrophenol	9700	U
132-64-9	Dibenzofuran	4000	U
121-14-2	2,4-Dinitrotoluene	4000	U
84-66-2	Diethylphthalate	4000	U
7005-72-3	4-Chlorophenyl-phenylether	4000	U
86-73-7	Fluorene	4000	U
100-10-6	4-Nitroaniline	9700	U
534-52-1	4,6-Dinitro-2-methylphenol	9700	UJ
86-30-6	N-Nitrosodiphenylamine (1)	4000	UJ
101-55-3	4-Bromophenyl-phenylether	4000	U
118-74-1	Hexachlorobenzene	4000	UJ
87-86-5	Pentachlorophenol	9700	U
85-01-8	Phenanthrene	6600	DJ
120-12-7	Anthracene	960	DJ
86-74-8	Carbazole	4000	UJ
84-74-2	Di-n-Butylphthalate	4000	UJ
206-44-0	Fluoranthene	6500	DJ
129-00-0	Pyrene	7000	DJ
85-68-7	Butylbenzylphthalate	4000	U
91-94-1	3,3'-Dichlorobenzidine	4000	UJ
56-55-3	Benzo(a)Anthracene	3300	DJ
218-01-9	Chrysene	4000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4000	U
117-84-0	Di-n-Octyl Phthalate	4000	U
205-99-2	Benzo(b)Fluoranthene	2500	DJ
207-08-9	Benzo(k)Fluoranthene	2800	DJ
50-32-8	Benzo(a)Pyrene	2700	DJ
193-39-5	Indeno(1,2,3-cd)Pyrene	1300	DJ
53-70-3	Dibenz(a,h)Anthracene	4000	U
191-24-2	Benzo(g,h,i)Perylene	4000	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110DL

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.3 (g/mL) G Lab File ID: C0625K06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/25/92

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4000	U
111-44-4	bis(2-Chloroethyl)Ether	4000	U
95-57-8	2-Chlorophenol	4000	U
541-73-1	1,3-Dichlorobenzene	4000	U
106-46-7	1,4-Dichlorobenzene	4000	U
95-50-1	1,2-Dichlorobenzene	4000	U
95-48-7	2-Methylphenol	4000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4000	U
106-44-5	4-Methylphenol	4000	U
621-64-7	N-Nitroso-Di-n-Propylamine	4000	U
67-72-1	Hexachloroethane	4000	U
98-95-3	Nitrobenzene	4000	U
78-59-1	Isophorone	4000	U
88-75-5	2-Nitrophenol	4000	U
105-67-9	2,4-Dimethylphenol	4000	U
111-91-1	bis(2-Chloroethoxy)Methane	4000	U
120-83-2	2,4-Dichlorophenol	4000	U
120-82-1	1,2,4-Trichlorobenzene	4000	U
91-20-3	Naphthalene	4000	U
106-47-8	4-Chloroaniline	4000	UJ
87-68-3	Hexachlorobutadiene	4000	U
59-50-7	4-Chloro-3-Methylphenol	4000	U
91-57-6	2-Methylnaphthalene	4000	U
77-47-4	Hexachlorocyclopentadiene	4000	U
88-06-2	2,4,6-Trichlorophenol	4000	U
95-95-4	2,4,5-Trichlorophenol	9700	UJ
91-58-7	2-Chloronaphthalene	4000	U
88-74-4	2-Nitroaniline	9700	UJ
131-11-3	Dimethylphthalate	4000	U
208-96-8	Acenaphthylene	4000	U
606-20-2	2,6-Dinitrotoluene	4000	U
99-09-2	3-Nitroaniline	9700	UJ
83-32-9	Acenaphthene	4000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111RE

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216900

Sample wt/vol: 30.2 (g/mL) G Lab File ID: C0708K09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4600	U
111-44-4	bis(2-Chloroethyl)Ether	4600	U
95-57-8	2-Chlorophenol	4600	U
541-73-1	1,3-Dichlorobenzene	4600	U
106-46-7	1,4-Dichlorobenzene	4600	U
95-50-1	1,2-Dichlorobenzene	4600	U
95-48-7	2-Methylphenol	4600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4600	U
106-44-5	4-Methylphenol	4600	U
621-64-7	N-Nitroso-Di-n-Propylamine	4600	U
67-72-1	Hexachloroethane	4600	U
98-95-3	Nitrobenzene	4600	U
78-59-1	Isophorone	4600	U
88-75-5	2-Nitrophenol	4600	U
105-67-9	2,4-Dimethylphenol	4600	U
111-91-1	bis(2-Chloroethoxy)Methane	4600	U
120-83-2	2,4-Dichlorophenol	4600	U
120-82-1	1,2,4-Trichlorobenzene	4600	U
91-20-3	Naphthalene	4600	U
106-47-8	4-Chloroaniline	4600	UJ
87-68-3	Hexachlorobutadiene	4600	U
59-50-7	4-Chloro-3-Methylphenol	4600	U
91-57-6	2-Methylnaphthalene	4600	U
77-47-4	Hexachlorocyclopentadiene	4600	U
88-06-2	2,4,6-Trichlorophenol	4600	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	4600	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	4600	U
208-96-8	Acenaphthylene	4600	U
606-20-2	2,6-Dinitrotoluene	4600	U
99-09-2	3-Nitroaniline	11000	UJ
83-32-9	Acenaphthene	4600	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110DL

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.3 (g/mL) G Lab File ID: C0625K06

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 18 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/25/92

Injection Volume: 2.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.10	3100	~~BDJ~~ U am
2.	UNK. HYDROXYMETHYL PENTANONE	8.82	58000	~~BADJ~~ U am
3.	UNKNOWN CYCLOOCTATETRAENE	10.12	1400	DJ
4.	UNKNOWN ALIP. HYDROCARBON	24.25	4500	DJ
5.	UNKNOWN	25.26	1000	DJ
6.	UNK. METHYL PHENANTHRENE	27.29	2100	DJ
7.	UNK. METHYL PHENANTHRENE	27.37	2000	DJ
8.	UNKNOWN	27.64	2900	DJ
9.	UNKNOWN	27.69	1100	DJ
10.	UNKNOWN	28.22	1200	DJ
11.	UNKNOWN	30.71	1900	DJ
12.	UNKNOWN	31.02	3100	DJ
13.	UNKNOWN ALIP. HYDROCARBON	31.09	1100	DJ
14.	UNKNOWN	31.34	1400	DJ
15.	UNKNOWN	31.61	970	DJ
16.	UNKNOWN ALIP. HYDROCARBON	32.11	1000	DJ
17.	UNKNOWN	32.54	1500	DJ
18.	UNKNOWN	32.86	1000	DJ
19.	UNKNOWN	32.94	1400	DJ
20.	UNKNOWN ALIP. HYDROCARBON	33.06	1500	DJ
21.	UNKNOWN	33.12	1400	DJ
22.	UNKNOWN	34.29	1100	DJ
23.	UNKNOWN	34.89	1400	DJ
24.	UNKNOWN	38.82	5500	DJ
25.	UNKNOWN	38.89	1800	DJ

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216900

Sample wt/vol: 30.2 (g/mL) G Lab File ID: C0708K09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNK. HYDROXYMETHYL PENTANONE	8.65	48000	~~BAJ~~ U am
2.	UNKNOWN CYCLOOCTATETRAENE	9.94	5800	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111RE

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216900

Sample wt/vol: 30.2 (g/mL) G Lab File ID: C0708K09

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000	UJ
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	4600	U
121-14-2	2,4-Dinitrotoluene	4600	U
84-66-2	Diethylphthalate	4600	U
7005-72-3	4-Chlorophenyl-phenylether	4600	U
86-73-7	Fluorene	4600	U
100-10-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	4600	UJ
101-55-3	4-Bromophenyl-phenylether	4600	U
118-74-1	Hexachlorobenzene	4600	U
87-86-5	Pentachlorophenol	11000	UJ
85-01-8	Phenanthrene	960	J
120-12-7	Anthracene	4600	U
86-74-8	Carbazole	4600	U
84-74-2	Di-n-Butylphthalate	4600	U
206-44-0	Fluoranthene	1200	J
129-00-0	Pyrene	1200	J
85-68-7	Butylbenzylphthalate	4600	U
91-94-1	3,3'-Dichlorobenzidine	4600	U
56-55-3	Benzo(a)Anthracene	4600	U
218-01-9	Chrysene	4600	U
117-81-7	bis(2-Ethylhexyl)Phthalate	4600	U
117-84-0	Di-n-Octyl Phthalate	4600	UJ
205-99-2	Benzo(b)Fluoranthene	4600	UJ
207-08-9	Benzo(k)Fluoranthene	4600	UJ
50-32-8	Benzo(a)Pyrene	4600	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4600	U
53-70-3	Dibenz(a,h)Anthracene	4600	U
191-24-2	Benzo(g,h,i)Perylene	4600	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216901

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0611T10

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 34 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	500	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	500	U
100-10-6	4-Nitroaniline	1200	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	500	U
86-74-8	Carbazole	500	U
84-74-2	Di-n-Butylphthalate	500 ~~430~~	~~BJ~~ U am
206-44-0	Fluoranthene	530	
129-00-0	Pyrene	500	
85-68-7	Butylbenzylphthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	UJ
56-55-3	Benzo(a)Anthracene	280	J
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)Phthalate	500	U
117-84-0	Di-n-Octyl Phthalate	500	U
205-99-2	Benzo(b)Fluoranthene	280	J
207-08-9	Benzo(k)Fluoranthene	500	U
50-32-8	Benzo(a)Pyrene	500	U
193-39-5	Indeno(1,2,3-cd)Pyrene	500	U
53-70-3	Dibenz(a,h)Anthracene	500	U
191-24-2	Benzo(g,h,i)Perylene	500	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216901

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0611T10

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 34 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)Ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-Di-n-Propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
111-91-1	bis(2-Chloroethoxy)Methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	UJ
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-Methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	1200	UJ
83-32-9	Acenaphthene	500	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

I Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216902

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0611T08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.3

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216901

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0611T10

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 34 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/12/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNK. METHYL PENTANONE	7.92	250	~~BAJ~~ U	am
2.	UNKNOWN	8.44	230	~~BJ~~ U	am
3.	UNKNOWN	8.54	3300	~~BJ~~ U	am
4.	UNK. HYDROXYMETHYL PENTANONE	9.35	32000	~~BAJ~~ U	
5.	UNKNOWN	9.60	660	~~BJ~~ U	am
6.	UNKNOWN	10.97	2200	~~BJ~~ U	am
7.	UNKNOWN	11.67	1400	~~BJ~~ U	am
8.	UNKNOWN	12.69	10000	~~BJ~~ U	am
9.	UNKNOWN	13.95	5900	~~BJ~~ U	am
10.	UNKNOWN	23.29	980	~~BJ~~ U	am
11.	UNKNOWN ALIP. ACID	27.79	1300	J	
12.	UNKNOWN	31.54	520	J	
13.	UNKNOWN	32.54	510	J	
14.	UNKNOWN	33.32	94	J	
15.	UNKNOWN ALIP. HYDROCARBON	33.52	1600	J	
16.	UNKNOWN	33.64	55	J	
17.	UNKNOWN	33.89	120	J	
18.	UNKNOWN ALIP. HYDROCARBON	34.54	390	J	
19.	UNKNOWN	34.74	82	J	
20.	UNKNOWN	34.86	42	J	
21.	UNKNOWN	34.99	81	J	
22.	UNKNOWN ALIP. HYDROCARBON	35.69	2400	J	
23.	UNKNOWN ALIP. HYDROCARBON	38.62	2600	J	
24.	UNKNOWN ALIP. HYDROCARBON	38.77	890	J	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216902

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0611T08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNK. METHYL PENTANONE	7.92	180	~~BJ~~ U	am
2.	UNKNOWN	8.45	170	~~BJ~~ U	am
3.	UNK. HYDROXYMETHYL PENTANONE	9.37	29000	~~BJ~~ U	am
4.	UNKNOWN ALIP. HYDROCARBON	9.57	400	~~BJ~~ U	am
5.	UNKNOWN	9.62	570	~~BJ~~ U	am
6.	UNKNOWN ALIP. HYDROCARBON	9.75	480	~~BJ~~ U	am
7.	UNK. METHYLETHYL HEPTANE	9.94	610	~~BJ~~ U	am
8.	UNKNOWN	10.84	270	J	
9.	UNKNOWN	10.99	1600	~~BJ~~ U	am
10.	UNKNOWN	11.67	890	~~BJ~~ U	am
11.	UNKNOWN	12.70	7600	~~BJ~~ U	am
12.	UNKNOWN	13.99	5400	~~BJ~~ U	am
13.	UNKNOWN	23.30	1200	~~BJ~~ U	am
14.	UNKNOWN ALIP. ACID	27.79	400	J	
15.	UNKNOWN ALIP. HYDROCARBON	31.54	240	J	
16.	UNKNOWN	32.61	390	~~BJ~~ U	am
17.	UNKNOWN ALIP. HYDROCARBON	33.54	920	J	
18.	UNKNOWN	34.54	620	J	
19.	UNKNOWN	34.74	320	J	
20.	UNKNOWN ALIP. HYDROCARBON	35.71	660	J	
21.	UNKNOWN ALIP. HYDROCARBON	35.81	300	J	
22.	UNKNOWN	37.71	230	J	
23.	UNKNOWN ALIP. HYDROCARBON	38.64	2400	J	
24.	UNKNOWN	38.82	660	J	
25.	UNKNOWN ALIP. HYDROCARBON	42.84	1400	J	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216902

Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0611T08

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 21 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	1000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	420 ~~260~~	~~BJ~~ U am
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	UJ
56-55-3	Benzo(a)Anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenz(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216903

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0708K07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000	UJ
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	4400	U
121-14-2	2,4-Dinitrotoluene	4400	U
84-66-2	Diethylphthalate	4400	U
7005-72-3	4-Chlorophenyl-phenylether	4400	U
86-73-7	Fluorene	4400	U
100-10-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	4400	UJ
101-55-3	4-Bromophenyl-phenylether	4400	U
118-74-1	Hexachlorobenzene	4400	U
87-86-5	Pentachlorophenol	11000	UJ
85-01-8	Phenanthrene	4400	U
120-12-7	Anthracene	4400	U
86-74-8	Carbazole	4400	U
84-74-2	Di-n-Butylphthalate	4400	U
206-44-0	Fluoranthene	890	J
129-00-0	Pyrene	1400	J
85-68-7	Butylbenzylphthalate	4400	U
91-94-1	3,3'-Dichlorobenzidine	4400	U
56-55-3	Benzo(a)Anthracene	1000	J
218-01-9	Chrysene	1200	J
117-81-7	bis(2-Ethylhexyl)Phthalate	4400	U
117-84-0	Di-n-Octyl Phthalate	4400	UJ
205-99-2	Benzo(b)Fluoranthene	4400	UJ
207-08-9	Benzo(k)Fluoranthene	4400	UJ
50-32-8	Benzo(a)Pyrene	4400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	4400	U
53-70-3	Dibenz(a,h)Anthracene	4400	U
191-24-2	Benzo(g,h,i)Perylene	4400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216903

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0708K07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4

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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216904

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B0611T07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ an

GPC Cleanup: (Y/N) Y pH: 7.2

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216903

Sample wt/vol: 30.1 (g/mL) G Lab File ID: C0708K07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 25 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNK. HYDROXYMETHYL PENTANONE	8.67	69000	~~BAJ~~ U am
2.	UNKNOWN ALIP. HYDROCARBON	24.04	2900	J
3.	UNKNOWN ALIP. HYDROCARBON	24.12	2600	J
4.	UNKNOWN ALIP. HYDROCARBON	25.32	2900	J
5.	UNKNOWN	26.76	2000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216904

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B0611T07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNK. METHYL PENTANONE	7.93	200	~~BAJ~~ U	am
2.	UNKNOWN	8.45	180	~~BJ~~ U	am
3.	UNKNOWN	8.57	2600	~~BJ~~ U	am
4.	UNK HYDROXYMETHYL PENTANONE	9.39	29000	~~BAJ~~ U	am
5.	UNKNOWN ALIP. HYDROCARBON	9.57	460	~~BJ~~ U	am
6.	UNKNOWN	9.64	630	~~BJ~~ U	am
7.	UNKNOWN ALIP. HYDROCARBON	9.77	560	~~BJ~~ U	am
8.	UNK. METHYLETHYL HEPTANE	9.94	650	~~BJ~~ U	am
9.	UNKNOWN	11.00	1900	~~BJ~~ U	am
10.	UNKNOWN	11.69	1200	~~BJ~~ U	am
11.	UNKNOWN	12.72	8200	~~BJ~~ U	am
12.	UNKNOWN	14.00	6200	J	
13.	UNKNOWN	23.32	880	J	
14.	UNKNOWN	24.57	370	~~BJ~~ U	am
15.	UNKNOWN ALIP. HYDROCARBON	24.65	1200	J	
16.	UNKNOWN ALIP. HYDROCARBON	26.02	460	J	
17.	UNKNOWN ALIP. HYDROCARBON	27.11	450	J	
18.	UNKNOWN ALIP. ACID	27.81	300	J	
19.	UNKNOWN	29.06	210	J	
20.	UNKNOWN	29.22	2100	J	
21.	UNKNOWN ALIP. HYDROCARBON	31.56	350	J	
22.	UNKNOWN ALIP. HYDROCARBON	32.57	240	J	
23.	UNKNOWN ALIP. HYDROCARBON	33.54	880	J	
24.	UNKNOWN ALIP. HYDROCARBON	34.56	190	J	
25.	UNKNOWN ALIP. HYDROCARBON	35.71	1200	J	
26.	UNKNOWN ALIP. HYDROCARBON	35.82	220	J	
27.	UNKNOWN ALIP. HYDROCARBON	37.06	290	J	
28.	UNKNOWN	37.72	150	J	
29.	UNKNOWN ALIP. HYDROCARBON	38.64	1400	J	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216904

Sample wt/vol: 30.6 (g/mL) G Lab File ID: B0611T07

Level: (low/med) LOW Date Received: 05/07/92

% Moisture: 29 decanted: (Y/N) N Date Extracted: 05/13/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/11/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0 ~~2.0~~ am

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-10-6	4-Nitroaniline	1100	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	460 ~~280~~	~~BJ~~ U am
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	UJ
56-55-3	Benzo(a)Anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	460	U
207-08-9	Benzo(k)Fluoranthene	460	U
50-32-8	Benzo(a)Pyrene	460	U
193-39-5	Indeno(1,2,3-cd)Pyrene	460	U
53-70-3	Dibenz(a,h)Anthracene	460	U
191-24-2	Benzo(g,h,i)Perylene	460	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216890

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

% Moisture: 14 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	1.9	U	
319-85-7	beta-BHC	1.9	~~BJP~~U	am
319-86-8	delta-BHC	1.9	U	
58-89-9	gamma-BHC (Lindane)	1.9	U	
76-44-8	Heptachlor	1.9	U	
309-00-2	Aldrin	1.9	U	
1024-57-3	Heptachlor epoxide	1.9	U	
959-98-8	Endosulfan I	1.9	U	
60-57-1	Dieldrin	3.8	U	
72-55-9	4,4'-DDE	33~~75~~	~~B~~	am
72-20-8	Endrin	7.2~~8.1~~	J	am
33213-65-9	Endosulfan II	1.2	JP	
72-54-8	4,4'-DDD	3.8	U	
1031-07-8	Endosulfan sulfate	3.8	U	
50-29-3	4,4'-DDT	16	P	
72-43-5	Methoxychlor	19	U	
53494-70-5	Endrin ketone	3.8	U	
7421-36-3	Endrin aldehyde	3.8	U	
5103-71-9	alpha-Chlordane	1.9	U	
5103-74-2	gamma-Chlordane	1.9	U	
8001-35-2	Toxaphene	190	U	
12674-11-2	Aroclor-1016	38	U	
11104-28-2	Aroclor-1221	76	U	
11141-16-5	Aroclor-1232	130~~500~~	P	am
53469-21-9	Aroclor-1242	240~~340~~	~~BP~~U	am
12672-29-6	Aroclor-1248	38	U	
11097-69-1	Aroclor-1254	150	~~B~~U	am
11096-82-5	Aroclor-1260	38	U	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216891

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

% Moisture: 46 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	3.1	U	
319-85-7	beta-BHC	3.1	U	
319-86-8	delta-BHC	3.1	U	
58-89-9	gamma-BHC (Lindane)	3.1	U	
76-44-8	Heptachlor	3.1	U	
309-00-2	Aldrin	3.1	U	
1024-57-3	Heptachlor epoxide	3.1	U	
959-98-8	Endosulfan I	3.1	U	
60-57-1	Dieldrin	6.1	U	
72-55-9	4,4'-DDE	8.8	~~BP~~ U	am
72-20-8	Endrin	9.8	P	
33213-65-9	Endosulfan II	8.3	P	
72-54-8	4,4'-DDD	6.8	P	
1031-07-8	Endosulfan sulfate	6.1	U	
50-29-3	4,4'-DDT	7.0	P	
72-43-5	Methoxychlor	31	U	
53494-70-5	Endrin ketone	6.1	U	
7421-36-3	Endrin aldehyde	6.1	U	
5103-71-9	alpha-Chlordane	8.4	P	
5103-74-2	gamma-Chlordane	2.4	JP	
8001-35-2	Toxaphene	310	U	
12674-11-2	Aroclor-1016	61	U	
11104-28-2	Aroclor-1221	120	U	
11141-16-5	Aroclor-1232	61	U	
53469-21-9	Aroclor-1242	650 ~~870~~	~~BP~~ U	am
12672-29-6	Aroclor-1248	61	U	
11097-69-1	Aroclor-1254	160	~~BP~~ U	am
11096-82-5	Aroclor-1260	61	U	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

:b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216892

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

% Moisture: 53 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	3.5	U	
319-85-7	beta-BHC	3.5	U	
319-86-8	delta-BHC	3.5	U	
58-89-9	gamma-BHC (Lindane)	3.5	U	
76-44-8	Heptachlor	3.5	U	
309-00-2	Aldrin	3.5	U	
1024-57-3	Heptachlor epoxide	3.5	U	
959-98-8	Endosulfan I	3.5	U	
60-57-1	Dieldrin	6.8	U	
72-55-9	4,4'-DDE	12	~~BP~~ U	am
72-20-8	Endrin	14	P	
33213-65-9	Endosulfan II	2.3	JP	
72-54-8	4,4'-DDD	6.8	U	
1031-07-8	Endosulfan sulfate	6.8	U	
50-29-3	4,4'-DDT	4.5	JP	
72-43-5	Methoxychlor	35	U	
53494-70-5	Endrin ketone	6.8	U	
7421-36-3	Endrin aldehyde	6.8	U	
5103-71-9	alpha-Chlordane	9.1	P	
5103-74-2	gamma-Chlordane	2.3	JP	
8001-35-2	Toxaphene	350	U	
12674-11-2	Aroclor-1016	68	U	
11104-28-2	Aroclor-1221	140	U	
11141-16-5	Aroclor-1232	68	U	
53469-21-9	Aroclor-1242	990 ~~1200~~	~~B~~ U	am
12672-29-6	Aroclor-1248	68	U	
11097-69-1	Aroclor-1254	220	~~BP~~ U	am
11096-82-5	Aroclor-1260	68	U	

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216893

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

% Moisture: 49 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	3.3	U	
319-85-7	beta-BHC	3.3	U	
319-86-8	delta-BHC	7.3	P	
58-89-9	gamma-BHC (Lindane)	3.3	U	
76-44-8	Heptachlor	3.3	U	
309-00-2	Aldrin	380	P	
1024-57-3	Heptachlor epoxide	3.3	U	
959-98-8	Endosulfan I	3.3	U	
60-57-1	Dieldrin	6.4	U	
72-55-9	4,4'-DDE	6.4	U	
72-20-8	Endrin	60	PJ	
33213-65-9	Endosulfan II	11	P	
72-54-8	4,4'-DDD	4.9	JP	
1031-07-8	Endosulfan sulfate	6.4	U	
50-29-3	4,4'-DDT	13	P	
72-43-5	Methoxychlor	33	U	
53494-70-5	Endrin ketone	6.7	P~~NJ~~	am
7421-36-3	Endrin aldehyde	6.4	JP	
5103-71-9	alpha-Chlordane	3.3	U	
5103-74-2	gamma-Chlordane	2.9	JP	
8001-35-2	Toxaphene	330	U	
12674-11-2	Aroclor-1016	64	U	
11104-28-2	Aroclor-1221	130	U	
11141-16-5	Aroclor-1232	64	U	
53469-21-9	Aroclor-1242	64	U	
12672-29-6	Aroclor-1248	7500 ~~13000~~	P	am
11097-69-1	Aroclor-1254	1200 ~~1400~~	~~P~~	am
11096-82-5	Aroclor-1260	730 ~~940~~	P	am

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216894

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

% Moisture: 49 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	3.3	U	
319-85-7	beta-BHC	3.3	U	
319-86-8	delta-BHC	3.3	U	
58-89-9	gamma-BHC (Lindane)	3.3	U	
76-44-8	Heptachlor	3.3	U	
309-00-2	Aldrin	470	P	
1024-57-3	Heptachlor epoxide	3.3	U	
959-98-8	Endosulfan I	3.3	U	
60-57-1	Dieldrin	6.3	U	
72-55-9	4,4'-DDE	6.3	U	
72-20-8	Endrin	72	PJ	
33213-65-9	Endosulfan II	13	P	
72-54-8	4,4'-DDD	4.1	JP	
1031-07-8	Endosulfan sulfate	6.3	U	
50-29-3	4,4'-DDT	14	P	
72-43-5	Methoxychlor	33	U	
53494-70-5	Endrin ketone	1.9	JP	am
7421-36-3	Endrin aldehyde	6.2	JP	
5103-71-9	alpha-Chlordane	3.3	U	
5103-74-2	gamma-Chlordane	3.3	U	
8001-35-2	Toxaphene	600	P	
12674-11-2	Aroclor-1016	63	U	
11104-28-2	Aroclor-1221	92	JP	
11141-16-5	Aroclor-1232	63	U	
53469-21-9	Aroclor-1242	63	U	
12672-29-6	Aroclor-1248	7800 ~~15000~~	P	am
11097-69-1	Aroclor-1254	1300 ~~1500~~	P	am
11096-82-5	Aroclor-1260	820 ~~990~~		am

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216895

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

% Moisture: 24 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	2.2	U	
319-85-7	beta-BHC	2.2	U	
319-86-8	delta-BHC	2.2	U	
58-89-9	gamma-BHC (Lindane)	2.2	U	
76-44-8	Heptachlor	2.2	U	
309-00-2	Aldrin	2.2	U	
1024-57-3	Heptachlor epoxide	5900	P	
959-98-8	Endosulfan I	15000		
60-57-1	Dieldrin	15000	P	
72-55-9	4,4'-DDE	20000	~~E~~P	am
72-20-8	Endrin	4.3	~~U~~R	am
33213-65-9	Endosulfan II	7300	P	
72-54-8	4,4'-DDD	1900	P	
1031-07-8	Endosulfan sulfate	4.3	U	
50-29-3	4,4'-DDT	11000	P	
72-43-5	Methoxychlor	22	U	
53494-70-5	Endrin ketone	110	P~~NJ~~	am
7421-36-3	Endrin aldehyde	2200	P	
5103-71-9	alpha-Chlordane	2.2	U	
5103-74-2	gamma-Chlordane	1200	P	
8001-35-2	Toxaphene	220	U	
12674-11-2	Aroclor-1016	43	U	
11104-28-2	Aroclor-1221	29000	P	
11141-16-5	Aroclor-1232	43	U	
53469-21-9	Aroclor-1242	43	U	
12672-29-6	Aroclor-1248	43	U	
11097-69-1	Aroclor-1254	43	U	
11096-82-5	Aroclor-1260	43	U	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216896

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

% Moisture: 23 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	2.2	U	
319-85-7	beta-BHC	2.2	U	
319-86-8	delta-BHC	8800	P	
58-89-9	gamma-BHC (Lindane)	2.2	U	
76-44-8	Heptachlor	7900	P	
309-00-2	Aldrin	2.2	U	
1024-57-3	Heptachlor epoxide	15000	P	
959-98-8	Endosulfan I	16000	P	
60-57-1	Dieldrin	16000	P	
72-55-9	4,4'-DDE	4.3	U	
72-20-8	Endrin	4.3	~~U~~ R	am
33213-65-9	Endosulfan II	8100	P	
72-54-8	4,4'-DDD	2500	P	
1031-07-8	Endosulfan sulfate	4.3	U	
50-29-3	4,4'-DDT	15000	P	
72-43-5	Methoxychlor	22	U	
53494-70-5	Endrin ketone	150	P ~~NJ~~	am
7421-36-3	Endrin aldehyde	2800	P	
5103-71-9	alpha-Chlordane	2.2	U	
5103-74-2	gamma-Chlordane	2.2	U	
8001-35-2	Toxaphene	220	U	
12674-11-2	Aroclor-1016	43	U	
11104-28-2	Aroclor-1221	34000	P	
11141-16-5	Aroclor-1232	43	U	
53469-21-9	Aroclor-1242	43	U	
12672-29-6	Aroclor-1248	43	U	
11097-69-1	Aroclor-1254	43	U	
11096-82-5	Aroclor-1260	43	U	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216897

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

% Moisture: 36 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	5700	P
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.1	U
72-55-9	4,4'-DDE	5.1	U
72-20-8	Endrin	5.1	U
33213-65-9	Endosulfan II	1800	P
72-54-8	4,4'-DDD	5.1	U
1031-07-8	Endosulfan sulfate	5.1	U
50-29-3	4,4'-DDT	2200	P
72-43-5	Methoxychlor	37	P
53494-70-5	Endrin ketone	12	P ~~AJ~~ am
7421-36-3	Endrin aldehyde	5.1	U
5103-71-9	alpha-Chlordane	4700	P
5103-74-2	gamma-Chlordane	360	P
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	29000	
11141-16-5	Aroclor-1232	51	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	38000	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216898

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

% Moisture: 23 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	8400	P
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	490	P
72-54-8	4,4'-DDD	190	
1031-07-8	Endosulfan sulfate	53	P
50-29-3	4,4'-DDT	770	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	130	P
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	100	P
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	1800	P
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	160000	P
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	13000	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216899

Sample wt/vol: 30.7 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	210	P
1024-57-3	Heptachlor epoxide	7.5	P
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	57	P
72-54-8	4,4'-DDD	57	P
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	8.1	P
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	35	PNJ
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	85	P
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	6400	P
11097-69-1	Aroclor-1254	1700 ~~2100~~	~~P~~P
11096-82-5	Aroclor-1260	39	U

gm

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216900

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

% Moisture: 29 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	2.4	U	
319-85-7	beta-BHC	2.4	U	
319-86-8	delta-BHC	2.4	U	
58-89-9	gamma-BHC (Lindane)	2.4	U	
76-44-8	Heptachlor	2.4	U	
309-00-2	Aldrin	200	P	
1024-57-3	Heptachlor epoxide	2.4	U	
959-98-8	Endosulfan I	2.4	U	
60-57-1	Dieldrin	4.6	U	
72-55-9	4,4'-DDE	490	~~B~~	am
72-20-8	Endrin	260	J	
33213-65-9	Endosulfan II	4.6	U	
72-54-8	4,4'-DDD	300	P	
1031-07-8	Endosulfan sulfate	4.7	P	
50-29-3	4,4'-DDT	2000	P	
72-43-5	Methoxychlor	24	U	
53494-70-5	Endrin ketone	38	P~~NJ~~	am
7421-36-3	Endrin aldehyde	7.9	PJ	
5103-71-9	alpha-Chlordane	590	J	
5103-74-2	gamma-Chlordane	340	PJ	
8001-35-2	Toxaphene	3600	P	
12674-11-2	Aroclor-1016	46	U	
11104-28-2	Aroclor-1221	240	P	
11141-16-5	Aroclor-1232	46	U	
53469-21-9	Aroclor-1242	46	U	
12672-29-6	Aroclor-1248	6700	P	
11097-69-1	Aroclor-1254	3000	~~B~~P	am
11096-82-5	Aroclor-1260	1500		

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216901

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

% Moisture: 34 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
319-84-6	alpha-BHC	2.5	U	
319-85-7	beta-BHC	2.5	U	
319-86-8	delta-BHC	2.5	U	
58-89-9	gamma-BHC (Lindane)	2.5	U	
76-44-8	Heptachlor	2.5	U	
309-00-2	Aldrin	170	P	
1024-57-3	Heptachlor epoxide	2.5	U	
959-98-8	Endosulfan I	2.5	U	
60-57-1	Dieldrin	4.9	U	
72-55-9	4,4'-DDE	4.9	U	
72-20-8	Endrin	4.9	~~U~~ R	am
33213-65-9	Endosulfan II	9.2	P	
72-54-8	4,4'-DDD	4.9	U	
1031-07-8	Endosulfan sulfate	3.6	JP	
50-29-3	4,4'-DDT	12	P	
72-43-5	Methoxychlor	25	U	
53494-70-5	Endrin ketone	8.0	PNJ	
7421-36-3	Endrin aldehyde	3.5	J	
5103-71-9	alpha-Chlordane	2.5	UJ	
5103-74-2	gamma-Chlordane	2.5	UJ	
8001-35-2	Toxaphene	250	U	
12674-11-2	Aroclor-1016	49	U	
11104-28-2	Aroclor-1221	99	U	
11141-16-5	Aroclor-1232	49	U	
53469-21-9	Aroclor-1242	49	U	
12672-29-6	Aroclor-1248	4500	P	
11097-69-1	Aroclor-1254	770	~~U~~ P	am
11096-82-5	Aroclor-1260	49	U	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

b Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216902

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

% Moisture: 21 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	210	P
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	14	P
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	30	P
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	3.0	JP
5103-71-9	alpha-Chlordane	2.1	UJ
5103-74-2	gamma-Chlordane	1.6	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	6300	P
11097-69-1	Aroclor-1254	1000	~~J~~P
11096-82-5	Aroclor-1260	42	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216903

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

% Moisture: 25 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	470	P
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4	U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	390	P
33213-65-9	Endosulfan II	110	P
72-54-8	4,4'-DDD	40	P
1031-07-8	Endosulfan sulfate	24	P
50-29-3	4,4'-DDT	150	P
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-36-3	Endrin aldehyde	21	PJ
5103-71-9	alpha-Chlordane	2.3	UJ
5103-74-2	gamma-Chlordane	22	PJ
8001-35-2	Toxaphene	2200	P
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	11000	P
11097-69-1	Aroclor-1254	4400	~~B~~P
11096-82-5	Aroclor-1260	44	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 0990300001

Lab Code: SPFLD Case No.: LASALL SAS No.: _____ SDG No.: 216890

Matrix: (soil/water) SOIL Lab Sample ID: D216904

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

% Moisture: 29 decanted: (Y/N) N Date Received: 05/07/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/14/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/20/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	13	P
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	120	P
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	21	P
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	9.5	P
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	1.9	JP
5103-71-9	alpha-Chlordane	2.4	UJ
5103-74-2	gamma-Chlordane	2.4	UJ
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	3200	P
11097-69-1	Aroclor-1254	490	~~J~~P
11096-82-5	Aroclor-1260	400	P

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IEPA DIVISION of LABORATORIES

QUALITY ASSURANCE SECTION

INORGANIC DATA VALIDATION

Site: Old LASALLE DUMP Laboratory: IEPA Champaign Lab

SDG: 74 Analytical Protocol ILM01.0 Review Date: August 11- 1992

Reviewer: Chris Bridges Reviewer Signature: Chris Bridges

Number Aqueous Samples: NA Analytes: Trace Metals, Hg, CN, Sulfide, Sulfate, Others:

Number Solid/Soil Samples: 15 Analytes: Trace Metals, Hg, CN, Sulfide, Sulfate, Others:

	YES	NO	N/A
Cover Page - Present?	(X)		
Do sample numbers on cover page agree with sample numbers on:			
(a) Chain - of - Custody Forms?	(X)		
(b) Form I's?	(X)		
Form I (Final Data)			
Are all Form I's present and complete?	(X)		
Are correct units (ug/l - waters & mg/kg - soils) indicated on Form I's?	(X)		
Are soil sample results corrected for percent solids?	(X)		

I. Holding Times:

		YES	NO	N/A
Mercury (28 days)	exceeded?	X	( )	
Cyanide (14 days)	exceeded?		(X)	
other Metals (6 months)	exceeded?		(X)	

ACTIONS: Hg holding time criteria was exceeded however no data was affected (water holding time has been applied to these soils)

II. Calibrations:

A. Initial Calibration Procedures:

		YES	NO	N/A
Are acceptable 2 point calibrations present for ICP?		(X)		
Are acceptable 4 point calibrations present for:	AA?	(X)		
	Mercury?	(X)		
	Cyanide?	(X)		
Are acceptable calibration present for other parameters?		(X)		

ACTIONS: (Analyte, Sample(s) affected, Qualifications)

None

	YES	NO	N/A
Preparation Blanks			
Was one preparation blank prepared for:			
each 20 samples?	(X)	___	___
each batch?	(X)	___	___
each matrix type?	(X)	___	___
Were prep blanks analyzed at correct frequency?	(X)	___	___
Were prep blanks reported in the appropriate concentration units?	(X)	___	___
All prep blank results meet no contamination criteria?	( )	X	___

ACTIONS: (Analyte, (PB / IDL), Sample(s) affected, Qualificatons)

Na (680/114) X101, X102, X103, X104, X105, X106, X108, X111, X112, X113 are flagged (U)
Na (318/114) X115 is flagged (U)
Ca, Cr, Fe, Mg, Cu; contamination noted; however, no samples were affected.

IV. Form IV (ICP Interference Check Sample)

Form IV Present and complete?	(X)	___	___
All % Recoveries of ICSAB Solution +/- 20 % of True Value	(X)	___	___
For all elements not present in ICSA, is the absolute value of the ICSA result greater than the IDL	X	( )	___

ACTIONS: (Analyte, %Recovery, Sample(s) affected, Qualifications)

Cd, Mn, & V; results exceed IDL's; however no data is affected.

	YES	NO	N/A
VII. Form 5 (Spike Sample Recovery)			
Present and complete for: each 20 samples?	(X)	___	___
each matrix type?	(X)	___	___
Were all Matrix Spike % Recoveries within criteria?	( )	X	___

ACTIONS: (Analyte, % Recovery, Sample(s) affected, Qualifications)

Sb 10.9%R; X111 is estimated (J)

Sb 10.9%R; X101, X102, X103, X104, X105, X106, X107, X108, X109, X110 X112, X113, X114 & X115 are unusable (R).

Se 556.4%R ~~As 60.9%R~~ CB; X103, X104, X106, X107, X108, X110, X111, X112, X113, X114, X115 are estimated (J)

~~Sb~~ As 60.9%R; ~~X104~~ CB, X101, X102, X103, X104, X105, X106, X107, X108, X109, X110 X111, X112, X113, X114, X115 are estimated (J)

	YES	NO	N/A
VIII. Furnace Atomic Absorption (AA) QC:			
Did the laboratory utilize duplicate injections for all non-MSA analyses?	(X)	___	___
Does the GFAA flow chart appear to have been followed for all analyses?	(X)	___	___
Did the laboratory properly flag the GFAA results on the Form 1s	(X)	___	___

ACTIONS: (Analyte, Sample(s) affected, Qualifications)

all results flagged "W" by lab are estimated (J)

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206620
Level (Low/Med): Date Received: 5/07/92
% Solids: 85.5

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23300			PM
7440-36-0	Antimony	4.9	U	N	PM R
7440-38-2	Arsenic	13.3		S,N	FM J
7440-39-3	Barium	163			PM
7440-41-7	Beryllium	0.92			PM
7440-43-9	Cadmium	7.7			PM
7440-70-2	Calcium	5120			PM
7440-47-3	Chromium	29.4			PM
7440-48-4	Cobalt	12.2			PM
7440-50-8	Copper	29.9			PM
7439-89-6	Iron	25700			PM
7439-92-1	Lead	44.5			FM
7439-95-4	Magnesium	3640			PM
7439-96-5	Manganese	676			PM
7439-97-6	Mercury	0.04	B		AS
7440-02-2	Nickel	23.0			PM
7440-09-7	Potassium	2090			PM
7782-49-2	Selenium	0.58	U	W,N	FM J
7440-22-4	Silver	0.58	U		PM
7440-23-5	Sodium	91.0	U ~~B~~		PM
7440-28-0	Thallium	0.37	B		FM
7440-62-2	Vanadium	46.1			PM
7440-66-6	Zinc	812			PM
	Cyanide	0.97	U		AS

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

B000003

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206621
Level (Low/Med): Date Received: 5/07/92
% Solids: 54.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	19100			PM	
7440-36-0	Antimony	7.3	U	N	PM	R
7440-38-2	Arsenic	10.8		S,N	FM	J
7440-39-3	Barium	153			PM	
7440-41-7	Beryllium	0.97			PM	
7440-43-9	Cadmium	4.9			PM	
7440-70-2	Calcium	39800			PM	
7440-47-3	Chromium	57.4			PM	
7440-48-4	Cobalt	10.7			PM	
7440-50-8	Copper	55.1			PM	
7439-89-6	Iron	26000			PM	
7439-92-1	Lead	75.4			FM	
7439-95-4	Magnesium	15300			PM	
7439-96-5	Manganese	582			PM	
7439-97-6	Mercury	~~0.40~~ 0.42			AS	
7440-02-2	Nickel	39.2			PM	
7440-09-7	Potassium	3750			PM	
7782-49-2	Selenium	0.86	U	W,N	FM	J
7440-22-4	Silver	0.86	U		PM	
7440-23-5	Sodium	294	~~R~~ U		PM	
7440-28-0	Thallium	0.52	U		FM	
7440-62-2	Vanadium	37.7			PM	
7440-66-6	Zinc	487			PM	
	Cyanide	1.9			AS	

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

B000004

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206622
Level (Low/Med): Date Received: 5/07/92
% Solids: 47.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	25600			PM	
7440-36-0	Antimony	9.5	U	N	PM	R
7440-38-2	Arsenic	15.6		S,N	FM	J
7440-39-3	Barium	212			PM	
7440-41-7	Beryllium	1.3			PM	
7440-43-9	Cadmium	4.8			PM	
7440-70-2	Calcium	21100			PM	
7440-47-3	Chromium	72.0			PM	
7440-48-4	Cobalt	12.9			PM	
7440-50-8	Copper	58.3			PM	
7439-89-6	Iron	34000			PM	
7439-92-1	Lead	84.4			FM	
7439-95-4	Magnesium	10600			PM	
7439-96-5	Manganese	672			PM	
7439-97-6	Mercury	~~0.48~~ 0.50 CB			AS	
7440-02-2	Nickel	52.0			PM	
7440-09-7	Potassium	4230			PM	
7782-49-2	Selenium	1.36		W,N	FM	J
7440-22-4	Silver	1.1	U		PM	
7440-23-5	Sodium	319	~~B~~ U CB		PM	
7440-28-0	Thallium	0.68	U		FM	
7440-62-2	Vanadium	48.0			PM	
7440-66-6	Zinc	539			PM	
	Cyanide	1.9	U		AS	

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

B000005

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

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206623
Level (Low/Med): Date Received: 5/07/92
% Solids: 49.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	25800			PM	
7440-36-0	Antimony	8.3	U	N	PM	R
7440-38-2	Arsenic	14.7		S,N	FM	J
7440-39-3	Barium	213			PM	
7440-41-7	Beryllium	1.3			PM	
7440-43-9	Cadmium	4.0			PM	
7440-70-2	Calcium	24000			PM	
7440-47-3	Chromium	71.2			PM	
7440-48-4	Cobalt	13.0			PM	
7440-50-8	Copper	53.1			PM	
7439-89-6	Iron	33800			PM	
7439-92-1	Lead	86.7			FM	
7439-95-4	Magnesium	11300			PM	
7439-96-5	Manganese	803			PM	
7439-97-6	Mercury	~~0.37~~ 0.38 CS			AS	
7440-02-2	Nickel	47.3			PM	
7440-09-7	Potassium	4420			PM	
7782-49-2	Selenium	1.97		W,N	FM	J
7440-22-4	Silver	0.98	U		PM	
7440-23-5	Sodium	367	U ~~R~~ CS		PM	
7440-28-0	Thallium	0.59	U		FM	
7440-62-2	Vanadium	48.4			PM	
7440-66-6	Zinc	569			PM	
	Cyanide	1.9	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Green Clarity After: Clear Artifacts:
Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206624
Level (Low/Med): Date Received: 5/07/92
% Solids: 54.3

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	25600			PM	
7440-36-0	Antimony	8.1	U	N	PM	R
7440-38-2	Arsenic	19.5		S,N	FM	J
7440-39-3	Barium	216			PM	
7440-41-7	Beryllium	1.3			PM	
7440-43-9	Cadmium	4.6			PM	
7440-70-2	Calcium	15300			PM	
7440-47-3	Chromium	70.7			PM	
7440-48-4	Cobalt	12.4			PM	
7440-50-8	Copper	53.0			PM	
7439-89-6	Iron	35500			PM	
7439-92-1	Lead	217			FM	
7439-95-4	Magnesium	8760			PM	
7439-96-5	Manganese	1000			PM	
7439-97-6	Mercury	~~0.52~~ 0.53			AS	
7440-02-2	Nickel	44.9			PM	
7440-09-7	Potassium	4120			PM	
7782-49-2	Selenium	0.96	U	S,N	FM	
7440-22-4	Silver	0.96	U		PM	
7440-23-5	Sodium	305	~~B~~ U		PM	
7440-28-0	Thallium	0.58	U		FM	
7440-62-2	Vanadium	48.7			PM	
7440-66-6	Zinc	713			PM	
	Cyanide	1.9	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Green Clarity After: Clear Artifacts:
Comments:

B000007

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3/90

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206625
Level (Low/Med): Date Received: 5/07/92
% Solids: 79.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	27500			PM	
7440-36-0	Antimony	4.8	U	N	PM	R
7440-38-2	Arsenic	40.0		N	FM	J
7440-39-3	Barium	383			PM	
7440-41-7	Beryllium	0.59			PM	
7440-43-9	Cadmium	10.6			PM	
7440-70-2	Calcium	22100			PM	
7440-47-3	Chromium	99.2			PM	
7440-48-4	Cobalt	22.0			PM	
7440-50-8	Copper	476			PM	
7439-89-6	Iron	209000			PM	
7439-92-1	Lead	1021			FM	
7439-95-4	Magnesium	6800			PM	
7439-96-5	Manganese	1530			PM	
7439-97-6	Mercury	~~0.75~~ 0.77 CB			AS	
7440-02-2	Nickel	80.5			PM	
7440-09-7	Potassium	1770			PM	
7782-49-2	Selenium	0.87		S,N	FM	J
7440-22-4	Silver	0.57	U		PM	
7440-23-5	Sodium	298	~~B~~ U CB		PM	
7440-28-0	Thallium	0.57	U		FM	
7440-62-2	Vanadium	34.0			PM	
7440-66-6	Zinc	2130			PM	
	Cyanide	1.0	U		AS	

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

B000008

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B2066626
Level (Low/Med): Date Received: 5/07/92
% Solids: 79.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	31600			PM	
7440-36-0	Antimony	5.4	U	N	PM	R
7440-38-2	Arsenic	17.5		N	FM	J
7440-39-3	Barium	597			PM	
7440-41-7	Beryllium	0.90			PM	
7440-43-9	Cadmium	10.3			PM	
7440-70-2	Calcium	37200			PM	
7440-47-3	Chromium	83.9			PM	
7440-48-4	Cobalt	13.9			PM	
7440-50-8	Copper	476			PM	
7439-89-6	Iron	107000			PM	
7439-92-1	Lead	1042			FM	
7439-95-4	Magnesium	15000			PM	
7439-96-5	Manganese	1380			PM	
7439-97-6	Mercury	~~0.51~~ 0.53 CB			AS	
7440-02-2	Nickel	79.0			PM	
7440-09-7	Potassium	2670			PM	
7782-49-2	Selenium	1.16		S,N	FM	J
7440-22-4	Silver	0.64	U		PM	
7440-23-5	Sodium	469	B		PM	
7440-28-0	Thallium	0.39	U		FM	
7440-62-2	Vanadium	35.2			PM	
7440-66-6	Zinc	2500			PM	
	Cyanide	1.0	U		AS	

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

B000009

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206627
Level (Low/Med): Date Received: 5/07/92
% Solids: 67.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	26500			PM	
7440-36-0	Antimony	6.9	U	N	PM	R
7440-38-2	Arsenic	15.2		N	FM	J
7440-39-3	Barium	300			PM	
7440-41-7	Beryllium	0.94			PM	
7440-43-9	Cadmium	9.34			PM	
7440-70-2	Calcium	20600			PM	
7440-47-3	Chromium	106			PM	
7440-48-4	Cobalt	14.7			PM	
7440-50-8	Copper	1310			PM	
7439-89-6	Iron	110000			PM	
7439-92-1	Lead	492			FM	
7439-95-4	Magnesium	6740			PM	
7439-96-5	Manganese	1370			PM	
7439-97-6	Mercury	~~0.36~~ 0.36 CD			AS	
7440-02-2	Nickel	86.5			PM	
7440-09-7	Potassium	2780			PM	
7782-49-2	Selenium	0.33	B	W,N	FM	J
7440-22-4	Silver	0.82	U		PM	
7440-23-5	Sodium	393	~~R~~ U		PM	
7440-28-0	Thallium	0.49	U	W	FM	J
7440-62-2	Vanadium	40.9			PM	
7440-66-6	Zinc	2260			PM	
	Cyanide	1.2	U		AS	

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

B000010

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206628
Level (Low/Med): Date Received: 5/07/92
% Solids: 80.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	28000			PM	
7440-36-0	Antimony	5.0	U	N	PM	R
7440-38-2	Arsenic	14.4		N	FM	J
7440-39-3	Barium	145.4			PM	
7440-41-7	Beryllium	2.2			PM	
7440-43-9	Cadmium	24.4			PM	
7440-70-2	Calcium	18200			PM	
7440-47-3	Chromium	43.2			PM	
7440-48-4	Cobalt	13.0			PM	
7440-50-8	Copper	69.9			PM	
7439-89-6	Iron	54500			PM	
7439-92-1	Lead	377			FM	
7439-95-4	Magnesium	9000			PM	
7439-96-5	Manganese	339			PM	
7439-97-6	Mercury	~~2.95~~ 3.06 CS.			AS	
7440-02-2	Nickel	53.0			PM	
7440-09-7	Potassium	4160			PM	
7782-49-2	Selenium	0.60	U	S,N	FM	
7440-22-4	Silver	0.60	U		PM	
7440-23-5	Sodium	458	B		PM	
7440-28-0	Thallium	0.68	B	W	FM	J
7440-62-2	Vanadium	48.7			PM	
7440-66-6	Zinc	5560			PM	
	Cyanide	1.0	U		AS	

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

B000011

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206629
Level (Low/Med): Date Received: 5/07/92
% Solids: 82.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	10600			PM	
7440-36-0	Antimony	4.8	U	N	PM	R
7440-38-2	Arsenic	18.3		N	FM	J
7440-39-3	Barium	159			PM	
7440-41-7	Beryllium	2.2			PM	
7440-43-9	Cadmium	214			PM	
7440-70-2	Calcium	9410			PM	
7440-47-3	Chromium	25.3			PM	
7440-48-4	Cobalt	27.5			PM	
7440-50-8	Copper	300			PM	
7439-89-6	Iron	67700			PM	
7439-92-1	Lead	879			FM	
7439-95-4	Magnesium	2760			PM	
7439-96-5	Manganese	503			PM	
7439-97-6	Mercury	~~2.33~~ 3.41 CO			AS	
7440-02-2	Nickel	47.3			PM	
7440-09-7	Potassium	2190			PM	
7782-49-2	Selenium	2.45		S,N	FM	J
7440-22-4	Silver	0.58	U		PM	
7440-23-5	Sodium	524	B		PM	
7440-28-0	Thallium	0.58	U		FM	
7440-62-2	Vanadium	31.9			PM	
7440-66-6	Zinc	29900			PM	
	Cyanide	1.0	U		AS	

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

BC00012

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206630
Level (Low/Med): Date Received: 5/07/92
% Solids: 66.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12600			PM	
7440-36-0	Antimony	7.2	B	N	PM	J
7440-38-2	Arsenic	11.2		S,N	FM	J
7440-39-3	Barium	1220			PM	
7440-41-7	Beryllium	0.83			PM	
7440-43-9	Cadmium	9.22			PM	
7440-70-2	Calcium	63600			PM	
7440-47-3	Chromium	35.8			PM	
7440-48-4	Cobalt	8.25			PM	
7440-50-8	Copper	111			PM	
7439-89-6	Iron	22200			PM	
7439-92-1	Lead	878			FM	
7439-95-4	Magnesium	19000			PM	
7439-96-5	Manganese	541			PM	
7439-97-6	Mercury	~~0.93~~ 0.96 GS			AS	
7440-02-2	Nickel	49			PM	
7440-09-7	Potassium	2710			PM	
7782-49-2	Selenium	0.97	U	W,N	FM	J
7440-22-4	Silver	0.69	U		PM	
7440-23-5	Sodium	395	U ~~B~~ GS		PM	
7440-28-0	Thallium	0.41	U	W	FM	J
7440-62-2	Vanadium	26.6			PM	
7440-66-6	Zinc	1810			PM	
	Cyanide	1.2	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Medium
Color After: Green Clarity After: Clear Artifacts:
Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206631
Level (Low/Med): Date Received: 5/07/92
% Solids: 67.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	19200			PM	
7440-36-0	Antimony	6.1	U	N	PM	R
7440-38-2	Arsenic	13.4		S,N	FM	J
7440-39-3	Barium	300			PM	
7440-41-7	Beryllium	1.3			PM	
7440-43-9	Cadmium	2.8			PM	
7440-70-2	Calcium	44700			PM	
7440-47-3	Chromium	39.4			PM	
7440-48-4	Cobalt	14.5			PM	
7440-50-8	Copper	52.5			PM	
7439-89-6	Iron	28900			PM	
7439-92-1	Lead	537			FM	
7439-95-4	Magnesium	11400			PM	
7439-96-5	Manganese	914			PM	
7439-97-6	Mercury	0.12	B		AS	
7440-02-2	Nickel	36.3			PM	
7440-09-7	Potassium	3460			PM	
7782-49-2	Selenium	0.95	U	W,N	FM	J
7440-22-4	Silver	0.73	U		PM	
7440-23-5	Sodium	411	U CS B		PM	
7440-28-0	Thallium	0.44	U		FM	
7440-62-2	Vanadium	36.8			PM	
7440-66-6	Zinc	999			PM	
	Cyanide	1.2	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Green Clarity After: Clear Artifacts:
Comments:

B000014

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206632
Level (Low/Med): Date Received: 5/07/92
% Solids: 80.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	19700			PM	
7440-36-0	Antimony	5.6	U	N	PM	R
7440-38-2	Arsenic	8.2		S,N	FM	J
7440-39-3	Barium	194			PM	
7440-41-7	Beryllium	1.03			PM	
7440-43-9	Cadmium	0.66	U		PM	
7440-70-2	Calcium	29000			PM	
7440-47-3	Chromium	31.3			PM	
7440-48-4	Cobalt	9.6			PM	
7440-50-8	Copper	30.6			PM	
7439-89-6	Iron	22800			PM	
7439-92-1	Lead	41.9		S	FM	
7439-95-4	Magnesium	6970			PM	
7439-96-5	Manganese	531			PM	
7439-97-6	Mercury	0.05	B		AS	
7440-02-2	Nickel	28.9			PM	
7440-09-7	Potassium	2580			PM	
7782-49-2	Selenium	1.06	U	W,N	FM	J
7440-22-4	Silver	0.66	U		PM	
7440-23-5	Sodium	209	U CR R		PM	
7440-28-0	Thallium	0.40	U		FM	
7440-62-2	Vanadium	37.8			PM	
7440-66-6	Zinc	167			PM	
	Cyanide	1.0	U		AS	

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

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206633
Level (Low/Med): Date Received: 5/07/92
% Solids: 79.3

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14100			PM	
7440-36-0	Antimony	4.8	U	N	PM	R
7440-38-2	Arsenic	13.3		N	FM	J
7440-39-3	Barium	181			PM	
7440-41-7	Beryllium	0.86			PM	
7440-43-9	Cadmium	6.3			PM	
7440-70-2	Calcium	25900			PM	
7440-47-3	Chromium	417			PM	
7440-48-4	Cobalt	29.8			PM	
7440-50-8	Copper	2230			PM	
7439-89-6	Iron	200000			PM	
7439-92-1	Lead	669			FM	
7439-95-4	Magnesium	6580			PM	
7439-96-5	Manganese	1410			PM	
7439-97-6	Mercury	0.16			AS	
7440-02-2	Nickel	330			PM	
7440-09-7	Potassium	1630			PM	
7782-49-2	Selenium	0.48		S,N	FM	J
7440-22-4	Silver	0.58	U		PM	
7440-23-5	Sodium	300	B		PM	
7440-28-0	Thallium	0.34	U		FM	
7440-62-2	Vanadium	29.7			PM	
7440-66-6	Zinc	2280			PM	
	Cyanide	1.0	U		AS	

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

B000016

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

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: OLD LASALLE DUMP
Lab Code: Case No.: SAS No.: SDG No.: 74
Matrix (Soil): Lab Sample ID: B206634
Level (Low/Med): Date Received: 5/07/92
% Solids: 74.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5820			PM	
7440-36-0	Antimony	5.4	U	N	PM	R
7440-38-2	Arsenic	4.7		S,N	FM	J
7440-39-3	Barium	51.0			PM	
7440-41-7	Beryllium	0.37	B		PM	
7440-43-9	Cadmium	2.2			PM	
7440-70-2	Calcium	29800			PM	
7440-47-3	Chromium	12.9			PM	
7440-48-4	Cobalt	4.6	B		PM	
7440-50-8	Copper	12.8			PM	
7439-89-6	Iron	9920			PM	
7439-92-1	Lead	25.7			FM	
7439-95-4	Magnesium	10500			PM	
7439-96-5	Manganese	230			PM	
7439-97-6	Mercury	0.10	B		AS	
7440-02-2	Nickel	15.8			PM	
7440-09-7	Potassium	972			PM	
7782-49-2	Selenium	1.22	U	W,N	FM	J
7440-22-4	Silver	0.64	U		PM	
7440-23-5	Sodium	187	U CB R		PM	
7440-28-0	Thallium	0.38	U		FM	
7440-62-2	Vanadium	17.8			PM	
7440-66-6	Zinc	301			PM	
	Cyanide	1.1	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Green Clarity After: Clear Artifacts:
Comments:

B000017