US EPA RECORDS CENTER REGION 5
498580

WOODRUFF & EDWARDS
ILD 005071410
Elgin, Kane County, IL
IEPA 0894380001
SF / HRS

CERCLA
Site Inspection Prioritization Analytical Results

Illinois Environmental Protection Agency

2200 Churchill Road
P. O. Box 19276
Springfield, IL 62794-9276

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APPENDIX C

Analytical Results

SDG NARRATIVE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Springfield Organics Laboratory
825 N. Rutledge
Springfield, Illinois 62702
217-782-9780

Case: Woodruff and Edwards

Sample Identification	IEPA Sample Number
X101	D583585
X101DL	D583585D
X102	D583586
X103	D583587
X104	D583588
X104DL (1)	D583588DL
X105	D583589
X106	D583584
X106RE (1)	D583584RE
X201	D583579
X202	D583580
X203	D583581
X204	D583582
X205	D583583
X501	D583590
X501DL (1)	D583590DL
VBLKSL1	052295BLK
VBLKSL2	052395BLK
VBLKSL3	052695BLK
SBLKSL	D583680
PBLKS1	D583715
GPCBLK	GPCBLANK
X201MS (1)	D583579MS
X201MSD (1)	D583579MSD
X201MS (2)	D583679
X201MSD (2)	D583679R
X104MS (3)	D583714
X104MSD (3)	D583714R

RECEIVED
JUN 29 1995
IEPA LABORATORIES
Manager's Office

(1) Volatile sample
(2) Semivolatile sample
(3) Pesticide sample

Note : These samples were received the evening of 05/18/95 and were logged in the following morning. The date received on the forms reflect the actual date received while the date on the chain of custody form reflects the date the samples were logged in.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Date: 7/27/95

Subject: Review of CLP Data

From: Ron Turpin
Contract Laboratories Administrator
Division of Laboratories

To: Data User Edward Prescott

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

SITE NAME: Woodruff & Edwards CASE/SDG No: ~~579~~ 583579 /

Date(s) Received for Review: 29-Jun-95 03-Jul-95 No. of Samples: 12

Laboratory(s): IEPA Hours Used for Review: 30 + 10 = 40

Reviewer(s): Chris Bridges
Jerry Clark

The following narrative represents our findings:

The data is valid as qualified on the Forms 1

- ☐ 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: Tom Crause

PESTICIDE FRACTION

While the calibration covers both the samples and the florisil cartridge check, an individual subpackage is being submitted for the florisil cartridge check. This subpackage covers the new lot of cartridges, and will submitted with each future set.

Celeste M Crowley 6/29/95

Celeste Crowley
Pesticide Supervisor
Date

Gary Germann 6/29/95

Gary Germann
GC/MS Supervisor
Date

John Hurley 6/29/95

John Hurley
Laboratory Manager
Date

VOLATILE FRACTION

Tune for 05/26/95 (C0526BK03)
The form in the raw data states that m/z 95 fails to meet criteria. The criteria are in fact met according to the Statement of Work, VOA section 6.4.4.

X106/X106RE
The results are not consistent because of the nonhomogeneous nature of the samples.

The spectral disagreement for the following compounds is more than the 20% allowed when compared with the standard spectrum :

X102
1,1,1-Trichloroethane contains background noise.

X103
Acetone coelutes with a TIC.

SEMIVOLATILE FRACTION

The spectral disagreement for the following compounds is more than the 20% allowed when compared with the standard spectrum :

X105
Phenanthrene coelutes with a TIC.

X202
Chrysene coelutes with a TIC.
Bis(2-ethylhexyl)phthalate coelutes with other components in the standar.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X203
Benzo(a)anthracene coelutes with other components in the standard.
Chrysene coelutes with a TIC.
Bis(2-ethylhexyl)phthalate coelutes with other components in the standard.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X204
Benzo(a)anthracene coelutes with other components in the standard.
Chrysene coelutes with a TIC.
Bis(2-ethylhexyl)phthalate coelutes with other components in the standard.
Benzo(a)pyrene coelutes with a TIC.

X205
Benzo(a)anthracene coelutes with other components in the standard.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X501
Di-n-butylphthalate coelutes with a TIC.

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

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506113
Level (Low/Med): Date Received: 05/19/95
% Solids: 92.5

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	5970			P	
7440-36-0	Antimony	8.0	B	N	P	J
7440-38-2	Arsenic	16.9		S,N	FM	J
7440-39-3	Barium	54.1			P	
7440-41-7	Beryllium	0.63	B		P	
7440-43-9	Cadmium	0.93			P	
7440-70-2	Calcium	10100			P	
7440-47-3	Chromium	196			P	
7440-48-4	Cobalt	7.5	B		P	
7440-50-8	Copper	184			P	
7439-89-6	Iron	89200			P	
7439-92-1	Lead	23.5			FM	
7439-95-4	Magnesium	4230			P	
7439-96-5	Manganese	1000			P	
7439-97-6	Mercury	0.03	U	N	AV	J
7440-02-2	Nickel	111			P	
7440-09-7	Potassium	276	U		P	
7782-49-2	Selenium	0.21	U	W	FM	J
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	170	B		P	
7440-28-0	Thallium	1.1	U	W	FM	J
7440-62-2	Vanadium	20.1		~~E~~ JC	P	
7440-66-6	Zinc	39.5		~~E~~ JC	P	
	Cyanide	0.54	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEIDUM
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

FORM I - IN
SOIL

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03/95

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

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUDD & EDWARD
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506112
Level (Low/Med): Date Received: 05/19/95
% Solids: 78.5

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7740			P	
7440-36-0	Antimony	8.7	U	N	P	J
7440-38-2	Arsenic	3.5		N	FM	J
7440-39-3	Barium	109			P	
7440-41-7	Beryllium	0.43	B		P	
7440-43-9	Cadmium	1.3	U		P	
7440-70-2	Calcium	6100			P	
7440-47-3	Chromium	10.6			P	
7440-48-4	Cobalt	3.1	U		P	
7440-50-8	Copper	10.8			P	
7439-89-6	Iron	11200			P	
7439-92-1	Lead	28.0			FM	
7439-95-4	Magnesium	3730			P	
7439-96-5	Manganese	681			P	
7439-97-6	Mercury	0.15		N	AV	J
7440-02-2	Nickel	8.1	B		P	
7440-09-7	Potassium	685	B		P	
7782-49-2	Selenium	1.3	U	W	FM	J
7440-22-4	Silver	1.5	U		P	
7440-23-5	Sodium	77.3	U		P	
7440-28-0	Thallium	0.26	U		FM	
7440-62-2	Vanadium	20.8		X JC	P	
7440-66-6	Zinc	53.8		X JC	P	
	Cyanide	0.64	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506115
Level (Low/Med): Date Received: 05/19/95
% Solids: 94.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2650			P	
7440-36-0	Antimony	5.1	U	N	P	J
7440-38-2	Arsenic	0.83	~~B~~ U	N	FM	J
7440-39-3	Barium	22.7	B		P	
7440-41-7	Beryllium	0.20	B		P	
7440-43-9	Cadmium	0.78	U		P	
7440-70-2	Calcium	4870			P	
7440-47-3	Chromium	6.2			P	
7440-48-4	Cobalt	1.8	U		P	
7440-50-8	Copper	6.6			P	
7439-89-6	Iron	3490			P	
7439-92-1	Lead	7.4			FM	
7439-95-4	Magnesium	1590			P	
7439-96-5	Manganese	129			P	
7439-97-6	Mercury	0.03	U	N	AV	J
7440-02-2	Nickel	2.3	B		P	
7440-09-7	Potassium	248	U		P	
7782-49-2	Selenium	0.21	U	W	FM	J
7440-22-4	Silver	0.91	U		P	
7440-23-5	Sodium	51.4	B		P	
7440-28-0	Thallium	0.21	U		FM	
7440-62-2	Vanadium	1.8	B	~~X~~ JC	P	
7440-66-6	Zinc	20.0		~~X~~ JC	P	
	Cyanide	0.53	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEIDUM
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506114
Level (Low/Med): Date Received: 05/19/95
% Solids: 94.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2440			P	
7440-36-0	Antimony	5.3	U	N	P	J
7440-38-2	Arsenic	1.7	B	N	FM	J
7440-39-3	Barium	26.3	B		P	
7440-41-7	Beryllium	0.18	B		P	
7440-43-9	Cadmium	0.78	U		P	
7440-70-2	Calcium	4900			P	
7440-47-3	Chromium	32.4			P	
7440-48-4	Cobalt	2.6	B		P	
7440-50-8	Copper	28.1			P	
7439-89-6	Iron	23200			P	
7439-92-1	Lead	7.3			FM	
7439-95-4	Magnesium	1810			P	
7439-96-5	Manganese	242			P	
7439-97-6	Mercury	0.03	U	N	AV	J
7440-02-2	Nickel	16.2			P	
7440-09-7	Potassium	254	U		P	
7782-49-2	Selenium	0.20	U	W	FM	J
7440-22-4	Silver	0.93	U		P	
7440-23-5	Sodium	57.0	B		P	
7440-28-0	Thallium	0.20	U		FM	
7440-62-2	Vanadium	5.5	B	~~E~~ JC	P	
7440-66-6	Zinc	20.8		~~E~~ JC	P	
	Cyanide	0.53	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

FORM I - IN
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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506117
Level (Low/Med): Date Received: 05/19/95
% Solids: 92.5

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1980			P	
7440-36-0	Antimony	5.5	U	N	P	J
7440-38-2	Arsenic	2.4		N	FM	J
7440-39-3	Barium	17.4	B		P	
7440-41-7	Beryllium	0.16	U		P	
7440-43-9	Cadmium	0.81	U		P	
7440-70-2	Calcium	9350			P	
7440-47-3	Chromium	5.8			P	
7440-48-4	Cobalt	2.0	U		P	
7440-50-8	Copper	11.4			P	
7439-89-6	Iron	6430			P	
7439-92-1	Lead	27.2			FM	
7439-95-4	Magnesium	4470			P	
7439-96-5	Manganese	99.0			P	
7439-97-6	Mercury	0.03	U	N	AV	J
7440-02-2	Nickel	5.4	B		P	
7440-09-7	Potassium	267	U		P	
7782-49-2	Selenium	0.21	U	W	FM	J
7440-22-4	Silver	0.98	U		P	
7440-23-5	Sodium	87.9	B		P	
7440-28-0	Thallium	0.21	U		FM	
7440-62-2	Vanadium	3.9	B	~~K~~ JC	P	
7440-66-6	Zinc	39.6		~~K~~ JC	P	
	Cyanide	0.54	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLEAR Artifacts:
Comments:

FORM I - IN
SOIL

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506116
Level (Low/Med): Date Received: 05/19/95
% Solids: 93.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11200			P	
7440-36-0	Antimony	6.8	U	N	P	J
7440-38-2	Arsenic	4.3		N	FM	J
7440-39-3	Barium	314			P	
7440-41-7	Beryllium	1.4			P	
7440-43-9	Cadmium	1.0	U		P	
7440-70-2	Calcium	74100			P	
7440-47-3	Chromium	116			P	
7440-48-4	Cobalt	4.9	B		P	
7440-50-8	Copper	106			P	
7439-89-6	Iron	55000			P	
7439-92-1	Lead	15.8			FM	
7439-95-4	Magnesium	18500			P	
7439-96-5	Manganese	875			P	
7439-97-6	Mercury	0.03	U	N	AV	J
7440-02-2	Nickel	62.9			P	
7440-09-7	Potassium	346	B		P	
7782-49-2	Selenium	1.0	U	W	FM	J
7440-22-4	Silver	1.2	U		P	
7440-23-5	Sodium	105	B		P	
7440-28-0	Thallium	0.20	U	W	FM	J
7440-62-2	Vanadium	23.7		~~E~~ JC	P	
7440-66-6	Zinc	38.7		~~E~~ JC	P	
	Cyanide	12.8			CA	J
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLEAR Artifacts:
Comments:

FORM I - IN
SOIL

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506120
Level (Low/Med): Date Received: 05/19/95
% Solids: 82.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6430			P	
7440-36-0	Antimony	7.7	U	N	P	J
7440-38-2	Arsenic	3.3		N	FM	J
7440-39-3	Barium	53.0			P	
7440-41-7	Beryllium	0.39	B		P	
7440-43-9	Cadmium	1.1	U		P	
7440-70-2	Calcium	13800			P	
7440-47-3	Chromium	23.6			P	
7440-48-4	Cobalt	2.8	B		P	
7440-50-8	Copper	25.3			P	
7439-89-6	Iron	13700			P	
7439-92-1	Lead	35.5			FM	
7439-95-4	Magnesium	6670			P	
7439-96-5	Manganese	548			P	
7439-97-6	Mercury	0.12		N	AV	J
7440-02-2	Nickel	14.6			P	
7440-09-7	Potassium	646	B		P	
7782-49-2	Selenium	1.2	U	W	FM	J
7440-22-4	Silver	1.4	U		P	
7440-23-5	Sodium	204	B		P	
7440-28-0	Thallium	0.24	U		FM	
7440-62-2	Vanadium	16.0		~~X~~ JC	P	
7440-66-6	Zinc	76.7		~~X~~ JC	P	
	Cyanide	1.2			CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

FORM I - IN
SOIL

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506119
Level (Low/Med): Date Received: 05/19/95
% Solids: 81.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11800			P	
7440-36-0	Antimony	7.6	U	N	P	J
7440-38-2	Arsenic	3.6		N	FM	J
7440-39-3	Barium	68.6			P	
7440-41-7	Beryllium	0.64	B		P	
7440-43-9	Cadmium	1.1	U		P	
7440-70-2	Calcium	88500			P	
7440-47-3	Chromium	22.2			P	
7440-48-4	Cobalt	9.8	B		P	
7440-50-8	Copper	19.6			P	
7439-89-6	Iron	18200			P	
7439-92-1	Lead	13.8		S	FM	
7439-95-4	Magnesium	45400			P	
7439-96-5	Manganese	503			P	
7439-97-6	Mercury	0.12	B JC	N	AV	J
7440-02-2	Nickel	20.5			P	
7440-09-7	Potassium	2900			P	
7782-49-2	Selenium	1.2	U	W	FM	J
7440-22-4	Silver	1.3	U		P	
7440-23-5	Sodium	238	B		P	
7440-28-0	Thallium	0.24	U	W	FM	J
7440-62-2	Vanadium	23.8		~~E~~ JC	P	
7440-66-6	Zinc	87.1		~~E~~ JC	P	
	Cyanide	0.61	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: MEDIUM
Color After: WHITE Clarity After: CLOUDY Artifacts:
Comments:

FORM I - IN
SOIL

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E000009

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

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506122
Level (Low/Med): Date Received: 05/19/95
% Solids: 80.3

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4370			P
7440-36-0	Antimony	7.2	U	N	P J
7440-38-2	Arsenic	2.8		N	FM J
7440-39-3	Barium	78.5			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	42200			P
7440-47-3	Chromium	37.1			P
7440-48-4	Cobalt	2.6	U		P
7440-50-8	Copper	44.3			P
7439-89-6	Iron	15900			P
7439-92-1	Lead	71.5			FM
7439-95-4	Magnesium	18600			P
7439-96-5	Manganese	666			P
7439-97-6	Mercury	0.04	B SC	N	AV J
7440-02-2	Nickel	16.5			P
7440-09-7	Potassium	349	U		P
7782-49-2	Selenium	1.2	U	W	FM J
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	228	B		P
7440-28-0	Thallium	0.24	U		FM
7440-62-2	Vanadium	11.8		~~E~~ SC	P
7440-66-6	Zinc	82.2		~~E~~ SC	P
	Cyanide	1.2			CA
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

FORM I - IN
SOIL

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E000012

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506121
Level (Low/Med): Date Received: 05/19/95
% Solids: 82.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6220			P
7440-36-0	Antimony	6.7	U	N	P J
7440-38-2	Arsenic	3.5		N	FM J
7440-39-3	Barium	51.1			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.98	U		P
7440-70-2	Calcium	12300			P
7440-47-3	Chromium	23.9			P
7440-48-4	Cobalt	4.1	B		P
7440-50-8	Copper	25.5			P
7439-89-6	Iron	13400			P
7439-92-1	Lead	34.9			FM
7439-95-4	Magnesium	5970			P
7439-96-5	Manganese	387			P
7439-97-6	Mercury	0.10	B JC	N	AV J
7440-02-2	Nickel	16.1			P
7440-09-7	Potassium	673	B		P
7782-49-2	Selenium	1.2	U	W	FM J
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	195	B		P
7440-28-0	Thallium	0.24	U		FM
7440-62-2	Vanadium	16.8		~~E~~ JC	P
7440-66-6	Zinc	128		~~E~~ JC	P
	Cyanide	0.61	U		CA
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

FORM I - IN
SOIL

ILM03.0
03/95

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

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506118
Level (Low/Med): Date Received: 05/19/95
% Solids: 98.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	187			P
7440-36-0	Antimony	6.6	U	N	P
7440-38-2	Arsenic	0.29	~~J~~ U	N	FM
7440-39-3	Barium	2.3	U		P
7440-41-7	Beryllium	0.19	U		P
7440-43-9	Cadmium	0.96	U		P
7440-70-2	Calcium	619	B		P
7440-47-3	Chromium	1.3	B		P
7440-48-4	Cobalt	2.3	U		P
7440-50-8	Copper	2.7	B		P
7439-89-6	Iron	923			P
7439-92-1	Lead	2.2			FM
7439-95-4	Magnesium	179	B		P
7439-96-5	Manganese	11.5			P
7439-97-6	Mercury	0.03	U	N	AV
7440-02-2	Nickel	2.7	U		P
7440-09-7	Potassium	316	U		P
7782-49-2	Selenium	0.20	U		FM
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	58.5	U		P
7440-28-0	Thallium	0.20	U		FM
7440-62-2	Vanadium	0.96	U	~~N~~ JC	P
7440-66-6	Zinc	6.4		~~N~~ JC	P
	Cyanide	0.51	U		CA
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

FORM I - IN
SOIL

ILM03.0
03/95

B000008

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

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: WOODRUFF & EDWARDS
Lab Code: Case No.: SAS No.: SDG No.: 133
Matrix (Soil): Lab Sample ID: B506123
Level (Low/Med): Date Received: 05/19/95
% Solids: 79.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12000			P	
7440-36-0	Antimony	7.0	U	N	P	J
7440-38-2	Arsenic	4.1		S,N	FM	J
7440-39-3	Barium	79.3			P	
7440-41-7	Beryllium	0.64	B		P	
7440-43-9	Cadmium	1.0	U		P	
7440-70-2	Calcium	9660			P	
7440-47-3	Chromium	17.6			P	
7440-48-4	Cobalt	9.4	B		P	
7440-50-8	Copper	18.8			P	
7439-89-6	Iron	18300			P	
7439-92-1	Lead	15.6			FM	
7439-95-4	Magnesium	7550			P	
7439-96-5	Manganese	344			P	
7439-97-6	Mercury	0.06	B JC	N	AV	J
7440-02-2	Nickel	14.9			P	
7440-09-7	Potassium	1720			P	
7782-49-2	Selenium	1.2	U	W	FM	J
7440-22-4	Silver	1.2	U		P	
7440-23-5	Sodium	130	B		P	
7440-28-0	Thallium	0.23	U		FM	
7440-62-2	Vanadium	30.9 JC ~~13.9~~		~~E~~ JC	P	
7440-66-6	Zinc	63.0		~~E~~ JC	P	
	Cyanide	0.63	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

FORM I - IN
SOIL

ILM03.0
03/95

E000013

Case : Woodruff & Edwards

VOA SV PEST

Water sample TCL

Sample # (and column # for PEST) : _____
Compound : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____

N/A

Comment : _____

Soil sample TCL

Sample # (and column # for PEST) : X102
Compound : Acetone
Calculated concentration (ug/Kg) : 83
Reported concentration : 84

$$\frac{(16302)(250)}{(32981)(0.318)(5)(92)} = 83$$

OK

Comment : _____

Multicomponent analyte (PEST only)

Sample and column # : _____
Compound : _____
Calculated concentration : _____
Reported concentration : _____

N/A

Comment : _____

TICs

Water sample # : _____
TIC # : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____

N/A

Comment : _____

Soil sample # : _____
TIC # : _____
Calculated concentration (ug/Kg) : _____
Reported concentration : _____

NO TICs found

Comment : _____

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: IEPA
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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:

None

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 595559
Laboratory: IEPA
Page 21 of 46

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 mean RRFs.***

YES NO
a. [X] [ ] Check and recalculate the RRFs and mean RRFs for several target compounds (at least one associated with each internal standard).

b. [X] [ ] Check that, for all target compounds and surrogates, the mean RRFs 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: See Outlier Form

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: SP3579
Laboratory: IEPA
Page 20 of 46

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:

None

Data Validation Checklist
Site Name: Wordsuff & Edwards
SDG No.: 583579
Laboratory: IEPA
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IV. Continuing Calibration

GC/MS

Fraction: VOA SemiVOA (*circle one*)

1. Verify Continuing Calibration Frequency.

YES NO

a. [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:
See Outlier Form

SEMIVOLATILE CALIBRATION OUTLIERS

Page 2

Lab Name: _____ Case: _____

Instrument #	Minimum	Initial Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
					5/23/95			6/5/95			6/6/95					
Diethylphthalate	0.010															
4-Chlorophenyl-phenylether	0.400															
Fluorene	0.900															
4-Nitroaniline	0.010		64.6		0.042	58.6		0.049	52.9							
4,6-Dinitro-2-methylphenol	0.010															
N-Nitrosodiphenylamine (1)	0.010								-31.9							
4-Bromophenyl-ethylether	0.100															
Hexachlorobenzene	0.100					-33.7			-33.0							
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		52.9			41.2			-62.3							
Benzo(a)anthracene	0.800															
Chrysene	0.700								-39.2							
bis(2-Ethylhexyl)phthalate	0.010															
Di[illegible]tylphthalate	0.010					-27.3			-32.3							
E[illegible])fluoranthene	0.700															
Be[illegible]k)fluoranthene	0.700					-34.0										
Benzo(a)pyrene	0.700															
Indeno(1,2,3-cd)pyrene	0.500								30.4							
Dibenz(a,h)anthracene	0.400					29.7			38.9							
Benzo(g,h,i)perylene	0.500					32.0										
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															

3/92

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

SEE PAGE 1 FOR AFFECTED SAMPLES

SEMIVOLATILE CALIBRATION OUTLIERS

Page 1

Lab Name: IEPA ~~Woodw~~ CB

Case: Woodruff & Edwards

Instrument # IDC500	Minimum	Initial Cal. 5/23/95			Contin. Cal. 6/5/95			Contin. Cal. 6/6/95			Contin. Cal.			Contin. Cal.		
DATE/TIME:	RRF	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-Chloropropane)	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		33.8			29.1										
Hexachlorobutadiene	0.010					-32.7			-34.6			-34.6				
4-Chloro-3-methylphenol	0.200								CB							
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		63.9						38.7							
Acenaphthene	0.800															
2,4-Dinitrophenol	0.010								40.8							
4-Nitrophenol	0.010					28.2			30.9							
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

AFFECTED SAMPLES:

	SRLKSL	X104	
	X102	X101	
	X501	X203	
	X201	X106	
	X103	X204	
	X205	X202	
	X105	X201MS	
		X201MSD	

Reviewer's Initials/Date

3/92

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

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 548579
Laboratory: ECPA
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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:
None

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 593579
Laboratory: TEPA
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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	GPCBLK		
Date Anal. or Extr.	6/5/95	6/6/95		
Instrument	INC500	INC500		

TCL Comp'd	Amount	TCL Comp'd	Amount	TCL Comp'd	Amount	TCL Comp'd	Amount
Di-n-Butyl Phthalate	400						

TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount
2-Pentanone 4-Hydroxy-4-Methyl	20000						

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: TEPA
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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 513579
Laboratory: JEPA
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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
Di-n-Butylphthalate	420	450	580	18

Comments:
None

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 593579
Laboratory: TEPA
Page 29 of 46

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:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 593579
Laboratory: IEPA
Page 29 of 46

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:

none

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: IERA
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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.

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: IEPA
Page 20 of 41a

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:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 543579 W
Laboratory: ISPA
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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:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: ISPA
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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:
NONE

Case : _____ VOA (SV) PEST

Water sample surrogate %R

Sample # (and column # for PEST) : _____ N/A
Surrogate : _____
Concentration added (ug/L) : _____
Calculated %R : _____
Reported %R : _____

Comment : _____

Soil sample surrogate %R

$\frac{(233716)(40)(500)(1)(2)}{(387841)(0.455)(2)(30.1)(.77)} = 1143$

Sample # (and column # for PEST) : X101
Surrogate : NB2
Concentration added (ug/Kg) 2157
Calculated %R : 53
Reported %R : 53
ok

$\frac{(100)(5)(1000)}{(30.1)(.77)} = 2157$ $\frac{1143}{2157} \times 100 = 53\%$

Comment : _____

Water sample MS/MSD

Sample # (and column # for PEST) : _____ N/A
Compound : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____
%R calculated correctly? _____

Comment : _____

Soil sample MS/MSD

$\frac{(379563)(49)(500)(1)(2)}{(99024)(2.055)(2)(30.2)(.78)} = 1600$

Sample # (and column # for PEST) : X201 MS
Compound : Phenol
Calculated concentration (ug/Kg) : 1600
Reported concentration : 1600
%R calculated correctly? yes

Comment : OK

Case : Woodruff & Eduardo

VOA (SV) PEST

Water sample TCL

Sample # (and column # for PEST) : _____
Compound : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____

N/A

Comment : _____

Soil sample TCL

$$\frac{(50268)(40)(500)(1)(2)}{(430424)(1.159)(2)(30.1)(.93)} = 72$$

Sample # (and column # for PEST) : X103
Compound : Naphthalene
Calculated concentration (ug/Kg) : 72
Reported concentration : 72

Comment : OK

Multicomponent analyte (PEST only)

Sample and column # : _____
Compound : _____
Calculated concentration : _____
Reported concentration : _____

N/A

Comment : _____

TICs

Water sample # : _____
TIC # : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____

N/A

Comment : _____

Soil sample # : X104
TIC # : 1
Calculated concentration (ug/Kg) : 33000
Reported concentration : 33000

$$\frac{(20463500)(40)(500)(1)(2)}{(439756)(1)(2)(30.2)(.93)} = 33000$$

Comment : OK

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: IEPA
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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:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: ISPA
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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:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: LEPA
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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.	PBLK51	PIBLK22 ~~PIBLK05~~	GPCBLK02	
Date Anal. or Extr.	6/14/95	6/8/95 ~~5/31/95~~	5/31/95	
Instrument	HP1 HP2	HP1 HP2	HP1 HP2	

TCL Comp'd	Amount	TCL Comp'd	Amount	TCL Comp'd	Amount	TCL Comp'd	Amount
		methylene chloride	0.011				

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

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: IGPA
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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:
None

Data Validation Checklist
Site Name: Woodriff & Edwards
SDG No.: 583579
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.

Compound	Orig. Result	MS Result	MSD Result	%RSD
gamma BHC	2.5	15	15	67
Endrin	2.7	41	42	78
Endrin Ketone	1.6	3.0	2.6	30
gamma Chlordane	0.37	0.53	0.50	18

Comments:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: ICPA
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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:
None

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579V
Laboratory: IERA
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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:
NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: TSPA
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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: ~~0573~~ 583571
Laboratory: IEPA
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XII. Compound Quantitation and Reported CRQLs

Fraction: VOA SemiVOA Resticide (*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:
None

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: IEPA
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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~~] CAB	[ ]	[X]	Check that GC/MS confirmation was performed for pesticide concentrations in the final sample extract which exceeded 10 ng/ul.

Comments:

NONE

Data Validation Checklist
Site Name: Woodruff & Edwards
SDG No.: 583579
Laboratory: EPA
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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 is valid as qualified

Case : _____ VOA SV PEST

Water sample surrogate %R

N/A

Sample # (and column # for PEST) : _____
Surrogate : _____
Concentration added (ug/L) : _____
Calculated %R : _____
Reported %R : _____

Comment : _____

Soil sample surrogate %R

$$\frac{(105625)(5000)(1)(2)}{(2420000)(1)(30.1)(.77)} = 18.5$$

Sample # (and column # for PEST) : Y101 (DB606)
Surrogate : TCX
Concentration added (ug/Kg) : 17.3
Calculated %R : 107
Reported %R : 107

$$\frac{(0.4)(1000)}{(30.1)(.77)} = 17.3$$

$$\frac{18.5}{17.3} \times 100 = 107$$

OK

Comment : _____

Water sample MS/MSD

N/A

Sample # (and column # for PEST) : _____
Compound : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____
%R calculated correctly? _____

Comment : _____

Soil sample MS/MSD

$$\frac{(230581)(5000)(1)(2)}{(2110000)(1)(30.1)(.93)} = 39$$

Sample # (and column # for PEST) : Y104MS (DB701)
Compound : Dieldrin
Calculated concentration (ug/Kg) : 39
Reported concentration : 39
%R calculated correctly? yes

OK

Comment : _____

Case : Woodruff & Edwards

VOA ~~SV~~ PEST CB

Water sample TCL

Sample # (and column # for PEST) : _____ N/A
Compound : _____
Calculated concentration (ug/L) : _____
Reported concentration : _____

Comment : _____

Soil sample TCL

Sample # (and column # for PEST) : X106(DB701) $\frac{(93034)(5000)(1)(2)}{(2040000)(1)(30.1)(.91)} = 17$
Compound : Endrin
Calculated concentration (ug/Kg) : 17
Reported concentration : 17

Comment : OK

Multicomponent analyte (PEST only)

PK# ① $\frac{(3833)(5000)(1)(2)}{(207000)(1)(30)(.72)} = 8.57$

Sample and column # : X205(DB701)
Compound : Aroclor 1260
Calculated concentration : 16
Reported concentration : 16

② $\frac{(9521)(5000)(1)(2)}{(235000)(1)(30)(.72)} = 18.76$ $\bar{X} = 16$

⑤ $\frac{(8965)(5000)(1)(2)}{(213000)(1)(30)(.72)} = 19.49$

OK

Comment : _____

TICs

Water sample # : _____
TIC # : _____
Calculated concentration (ug/L) : _____ N/A
Reported concentration : _____

Comment : _____

Soil sample # : _____
TIC # : _____ N/A
Calculated concentration (ug/Kg) : _____
Reported concentration : _____

Comment : _____

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583585

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0526BK06

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 23 Date Analyzed: 05/26/95

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: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583585

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0526BK06

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 23 Date Analyzed: 05/26/95

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
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	25	
67-64-1	Acetone	63	
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583585

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E04

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1000	UJ
100-02-7	4-Nitrophenol	1000	UJ
132-64-9	Dibenzofuran	430	U
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-10-6	4-Nitroaniline	1000	UR
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	430	UJ
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	UJ
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
86-74-8	Carbazole	430	U
84-74-2	Di-n-Butylphthalate	~~430~~ 350	~~R~~ JU
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	UJ
56-55-3	Benzo(a)Anthracene	430	U
218-01-9	Chrysene	430	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
117-84-0	Di-n-Octyl Phthalate	430	UJ
205-99-2	Benzo(b)Fluoranthene	430	U
207-08-9	Benzo(k)Fluoranthene	430	U
50-32-8	Benzo(a)Pyrene	430	U
193-39-5	Indeno(1,2,3-cd)Pyrene	430	UJ
53-70-3	Dibenz(a,h)Anthracene	430	UJ
191-24-2	Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583585

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E04

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	430	U
111-44-4	bis(2-Chloroethyl)Ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-Di-n-Propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)Methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U J
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-Methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1000	U J
83-32-9	Acenaphthene	430	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101DL

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583585D

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

% Moisture: 23 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/95

Injection Volume: 1.00 (uL) Dilution Factor: 10.0

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	22	U
319-85-7	beta-BHC	22	U
319-86-8	delta-BHC	22	U
58-89-9	gamma-BHC (Lindane)	22	U
76-44-8	Heptachlor	22	U
309-00-2	Aldrin	22	U
1024-57-3	Heptachlor epoxide	22	U
959-98-8	Endosulfan I	22	U
60-57-1	Dieldrin	43	U
72-55-9	4,4'-DDE	5.2	JPD
72-20-8	Endrin	43	U
33213-65-9	Endosulfan II	54	PD
50-29-3	4,4'-DDD	1.7	JPD
1031-07-8	Endosulfan sulfate	23	JPD
50-29-3	4,4'-DDT	4.9	JPD
72-43-5	Methoxychlor	220	U
53494-70-5	Endrin ketone	6.6	JPD
7421-36-3	Endrin aldehyde	48	D
5103-71-9	alpha-Chlordane	22	U
5103-74-2	gamma-Chlordane	22	U
8001-35-2	Toxaphene	2200	U
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	870	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	520	D
11096-82-5	Aroclor-1260	1900	D

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583585

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E04

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 23 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.80	32000	JNBAU
2.	UNKNOWN	10.13	350	BJ
3.	UNKNOWN ALIP. HYDROCARBON	10.45	210	J
4.	UNKNOWN	11.53	1000	BJ
5.	UNKNOWN ALIP. KETONE	12.23	290	BAJ
6.	UNKNOWN	12.65	300	J
7.	UNKNOWN	13.23	940	J
8.	UNKNOWN ALIP. ACID	28.38	220	J
9.	UNKNOWN	34.17	480	J
10.	UNKNOWN ALIP. HYDROCARBON	36.52	210	J
11.	UNKNOWN	38.77	2000	J
12.	UNKNOWN	39.95	4100	J
13.	UNKNOWN ALIP. HYDROCARBON	44.48	3000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583586

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0526BK07

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 8 Date Analyzed: 05/26/95

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	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	180	
67-64-1	Acetone	84	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 5835[illegible]

Matrix: (soil/water) SOIL Lab Sample ID: D583585

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

% Moisture: 23 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/16/95

Injection Volume: 1.00 (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	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	0.32	J
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.3	U
72-55-9	4,4'-DDE	5.0	P
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	45	P
50-29-3	4,4'-DDD	2.3	JP
1031-07-8	Endosulfan sulfate	26	
50-29-3	4,4'-DDT	6.3	P
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	7.1	P
7421-36-3	Endrin aldehyde	42	
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	430	
11096-82-5	Aroclor-1260	1500	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583586

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E05

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 8 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	UJ
87-68-3	Hexachlorobutadiene	360	UJ
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	360	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583586

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0526BK07

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 8 Date Analyzed: 05/26/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583586

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E05

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 8 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.75	23000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.05	280	BJ
3.	UNKNOWN	10.12	280	BJ
4.	UNKNOWN	11.48	730	BJ
5.	UNKNOWN ALIP. KETONE	12.18	550	BAJ
6.	UNKNOWN ALIP. HYDROCARBON	22.25	360	J
7.	UNKNOWN ALIP. HYDROCARBON	23.70	580	J
8.	UNKNOWN ALIP. HYDROCARBON	25.10	2300	J
9.	UNKNOWN ALIP. HYDROCARBON	25.17	940	J
10.	UNKNOWN ALIP. HYDROCARBON	26.40	3300	J
11.	UNKNOWN ALIP. HYDROCARBON	26.55	2500	J
12.	UNKNOWN PHTHALATE	27.45	1000	BJ
13.	UNKNOWN ALIP. HYDROCARBON	27.65	3600	J
14.	UNKNOWN ALIP. HYDROCARBON	28.83	2300	J
15.	UNKNOWN ALIP. HYDROCARBON	29.97	1700	J
16.	UNKNOWN ALIP. HYDROCARBON	31.07	1000	J
17.	UNKNOWN ALIP. HYDROCARBON	31.47	440	J
18.	UNKNOWN	31.73	190	J
19.	UNKNOWN ALIP. HYDROCARBON	32.12	630	J
20.	UNKNOWN ALIP. HYDROCARBON	33.12	580	J
21.	UNKNOWN ALIP. HYDROCARBON	33.47	340	J
22.	UNKNOWN ALIP. HYDROCARBON	34.13	940	J
23.	UNKNOWN	34.48	280	J
24.	UNKNOWN ALIP. HYDROCARBON	35.22	290	J
25.	UNKNOWN	35.67	510	J
26.	UNKNOWN	36.00	370	J
27.	UNKNOWN	36.52	250	J
28.	UNKNOWN	39.32	260	J
29.	UNKNOWN	39.77	670	J
30.	UNKNOWN	42.62	340	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583586

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E05

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 8 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	870	U
100-02-7	4-Nitrophenol	870	UJ
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-10-6	4-Nitroaniline	870	UR
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	UJ
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	~~290~~ 360	~~B~~JU
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	UJ
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)Phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	UJ
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	UJ
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3	Dibenz(a,h)Anthracene	360	UJ
191-24-2	Benzo(g,h,i)Perylene	360	UJ

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583587

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0526BK08

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/26/95

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	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	180	
67-64-1	Acetone	26	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	8	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583586

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

% Moisture: 8 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/16/95

Injection Volume: 1.00 (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	0.28	JP
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.1	JP
76-44-8	Heptachlor	0.22	JP
309-00-2	Aldrin	0.34	JP
1024-57-3	Heptachlor epoxide	0.33	JP
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	4.6	
33213-65-9	Endosulfan II	3.6	U
50-29-3	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.6	U
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	0.61	J
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	10	JP

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

ab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583587

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E09

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	72	J
106-47-8	4-Chloroaniline	350	UJ
87-68-3	Hexachlorobutadiene	350	UJ
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	75	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	860	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	350	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583587

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C0526BK08

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/26/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583587

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E09

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.80	27000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.07	350	BJ
3.	UNKNOWN	10.13	340	BJ
4.	UNKNOWN ALIP. HYDROCARBON	10.25	330	J
5.	UNKNOWN	11.50	1000	BJ
6.	UNKNOWN	11.93	380	J
7.	UNKNOWN ALIP. KETONE	12.18	680	BAJ
8.	UNKNOWN	12.62	160	J
9.	UNKNOWN ALIP. HYDROCARBON	20.72	150	J
10.	UNKNOWN ALIP. HYDROCARBON	21.70	140	J
11.	UNKNOWN ALIP. HYDROCARBON	22.27	320	J
12.	UNKNOWN ALIP. HYDROCARBON	23.70	330	J
13.	UNKNOWN ALIP. HYDROCARBON	25.10	770	J
14.	UNKNOWN ALIP. HYDROCARBON	25.18	870	J
15.	UNKNOWN ALIP. HYDROCARBON	26.40	700	J
16.	UNKNOWN ALIP. HYDROCARBON	26.53	410	J
17.	UNKNOWN ALIP. HYDROCARBON	27.65	690	J
18.	UNKNOWN ALIP. ACID	28.35	120	J
19.	UNKNOWN ALIP. HYDROCARBON	28.83	460	J
20.	UNKNOWN ALIP. HYDROCARBON	29.97	400	J
21.	UNKNOWN ALIP. HYDROCARBON	31.07	340	J
22.	UNKNOWN	32.12	350	J
23.	UNKNOWN ALIP. HYDROCARBON	33.12	370	J
24.	UNKNOWN	33.47	130	J
25.	UNKNOWN	34.13	910	J
26.	UNKNOWN ALIP. HYDROCARBON	35.22	340	J
27.	UNKNOWN	36.00	210	J
28.	UNKNOWN ALIP. HYDROCARBON	36.50	460	J
29.	UNKNOWN	37.98	210	J
30.	UNKNOWN	39.77	810	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583587

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E09

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	860	U
100-02-7	4-Nitrophenol	860	UJ
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-10-6	4-Nitroaniline	860	UR
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	UJ
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	360	BU
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	UJ
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	UJ
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	UJ
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	UJ
191-24-2	Benzo(g,h,i)Perylene	350	UJ

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0523LC06

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/23/95

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	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	250	~~B~~E
67-64-1	Acetone	80	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	UJ
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	14	
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583587

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

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/16/95

Injection Volume: 1.00 (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	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	2.4	
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	4.4	
33213-65-9	Endosulfan II	3.5	U
50-29-3	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	1.8	J
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	0.49	JP
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	12	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104DL

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: B0523LC12

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/23/95

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	54	U
74-83-9	Bromomethane	54	U
75-01-4	Vinyl Chloride	54	U
75-00-3	Chloroethane	54	U
75-09-2	Methylene Chloride	260	BD
67-64-1	Acetone	48	DJ
75-15-0	Carbon Disulfide	54	U
75-35-4	1,1-Dichloroethene	54	U
75-34-3	1,1-Dichloroethane	54	U
540-59-0	1,2-Dichloroethene (total)	54	U
67-66-3	Chloroform	54	U
107-06-2	1,2-Dichloroethane	54	UJ
78-93-3	2-Butanone	54	U
71-55-6	1,1,1-Trichloroethane	54	U
56-23-5	Carbon Tetrachloride	54	U
75-27-4	Bromodichloromethane	54	U
78-87-5	1,2-Dichloropropane	54	U
10061-01-5	cis-1,3-Dichloropropene	54	U
79-01-6	Trichloroethene	54	U
124-48-1	Dibromochloromethane	54	U
79-00-5	1,1,2-Trichloroethane	54	U
71-43-2	Benzene	54	U
10061-02-6	trans-1,3-Dichloropropene	54	U
75-25-2	Bromoform	54	U
108-10-1	4-Methyl-2-Pentanone	54	U
591-78-6	2-Hexanone	54	U
127-18-4	Tetrachloroethene	54	U
79-34-5	1,1,2,2-Tetrachloroethane	54	U
108-88-3	Toluene	54	U
108-90-7	Chlorobenzene	54	U
100-41-4	Ethylbenzene	54	U
100-42-5	Styrene	54	U
1330-20-7	Xylene (total)	54	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0523LC06

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/23/95

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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E03

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U J
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	72	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	850	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	850	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	850	U J
83-32-9	Acenaphthene	350	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104DL

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: B0523LC12

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/23/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E03

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.78	33000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.07	360	BJ
3.	UNKNOWN	10.13	320	BJ
4.	UNKNOWN ALIP. HYDROCARBON	10.45	180	J
5.	UNKNOWN	11.53	1100	BJ
6.	UNKNOWN	11.95	280	J
7.	UNKNOWN ALIP. KETONE	12.22	720	BAJ
8.	UNKNOWN ALIP. HYDROCARBON	20.75	120	J
9.	UNKNOWN ALIP. HYDROCARBON	21.72	120	J
10.	UNKNOWN ALIP. HYDROCARBON	22.28	260	J
11.	UNKNOWN ALIP. HYDROCARBON	23.73	300	J
12.	UNKNOWN ALIP. HYDROCARBON	24.42	160	J
13.	UNKNOWN ALIP. HYDROCARBON	25.10	620	J
14.	UNKNOWN ALIP. HYDROCARBON	25.20	930	J
15.	UNKNOWN ALIP. HYDROCARBON	26.42	620	J
16.	UNKNOWN ALIP. HYDROCARBON	26.57	350	J
17.	UNKNOWN PHTHALATE	27.47	1400	BJ
18.	UNKNOWN ALIP. HYDROCARBON	27.65	570	J
19.	UNKNOWN ALIP. HYDROCARBON	28.85	430	J
20.	UNKNOWN ALIP. HYDROCARBON	29.98	360	J
21.	UNKNOWN ALIP. HYDROCARBON	31.07	310	J
22.	UNKNOWN	32.12	330	J
23.	UNKNOWN	33.13	360	J
24.	UNKNOWN ALIP. HYDROCARBON	34.13	710	J
25.	UNKNOWN	34.50	100	J
26.	UNKNOWN	35.25	380	J
27.	UNKNOWN	36.52	360	J
28.	UNKNOWN	39.77	770	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E03

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	850	UJ
100-02-7	4-Nitrophenol	850	UJ
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-10-6	4-Nitroaniline	850	UR
534-52-1	4,6-Dinitro-2-methylphenol	850	U
86-30-6	N-Nitrosodiphenylamine (1)	350	UJ
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	UJ
87-86-5	Pentachlorophenol	850	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	430	BU
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	UJ
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	UJ
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	U
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	UJ
53-70-3	Dibenz(a,h)Anthracene	350	UJ
191-24-2	Benzo(g,h,i)Perylene	350	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583589

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0523LC07

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/23/95

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	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	170	~~B~~
67-64-1	Acetone	180	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	UJ
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	4	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583588

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

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/15/95

Injection Volume: 1.00 (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	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	2.5	
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	2.7	JP
33213-65-9	Endosulfan II	3.5	U
50-29-3	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	0.23	JP
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	1.6	J
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	0.37	JP
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	12	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583589

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E11

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-Di-n-Propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)Methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	98	J
106-47-8	4-Chloroaniline	350	UJ
87-68-3	Hexachlorobutadiene	350	UJ
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	100	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	860	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	860	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	860	U
83-32-9	Acenaphthene	350	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583589

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0523LC07

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 7 Date Analyzed: 05/23/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583589

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E11

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.78	30000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.07	330	BJ
3.	UNKNOWN	10.13	350	BJ
4.	UNKNOWN	10.43	170	J
5.	UNKNOWN	11.50	1100	BJ
6.	UNKNOWN	11.93	500	J
7.	UNKNOWN ALIP. KETONE	12.18	840	BAJ
8.	UNKNOWN	12.62	130	J
9.	UNKNOWN ALIP. HYDROCARBON	19.08	150	J
10.	UNKNOWN ALIP. HYDROCARBON	20.72	230	J
11.	UNKNOWN ALIP. HYDROCARBON	21.68	190	J
12.	UNKNOWN ALIP. HYDROCARBON	22.25	480	J
13.	UNKNOWN ALIP. HYDROCARBON	23.70	560	J
14.	UNKNOWN ALIP. HYDROCARBON	25.08	1400	J
15.	UNKNOWN ALIP. HYDROCARBON	25.17	1000	J
16.	UNKNOWN ALIP. HYDROCARBON	26.40	1400	J
17.	UNKNOWN ALIP. HYDROCARBON	26.53	550	J
18.	UNKNOWN PHTHALATE	27.45	1500	BJ
19.	UNKNOWN ALIP. HYDROCARBON	27.65	1400	J
20.	UNKNOWN ALIP. HYDROCARBON	28.83	960	J
21.	UNKNOWN ALIP. HYDROCARBON	29.97	790	J
22.	UNKNOWN ALIP. HYDROCARBON	31.07	620	J
23.	UNKNOWN ALIP. HYDROCARBON	32.10	490	J
24.	UNKNOWN ALIP. HYDROCARBON	33.10	490	J
25.	UNKNOWN	33.45	160	J
26.	UNKNOWN	34.12	960	J
27.	UNKNOWN	34.47	200	J
28.	UNKNOWN ALIP. HYDROCARBON	35.22	400	J
29.	UNKNOWN ALIP. HYDROCARBON	36.50	320	J
30.	UNKNOWN	39.75	650	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583589

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E11

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 7 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	860	U
100-02-7	4-Nitrophenol	860	UJ
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-10-6	4-Nitroaniline	860	UJ
534-52-1	4,6-Dinitro-2-methylphenol	860	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	UJ
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	77	J
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-Butylphthalate	420	BU
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	UJ
56-55-3	Benzo(a)Anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)Phthalate	350	U
117-84-0	Di-n-Octyl Phthalate	350	UJ
205-99-2	Benzo(b)Fluoranthene	350	U
207-08-9	Benzo(k)Fluoranthene	350	UJ
50-32-8	Benzo(a)Pyrene	350	U
193-39-5	Indeno(1,2,3-cd)Pyrene	350	U
53-70-3	Dibenz(a,h)Anthracene	350	UJ
191-24-2	Benzo(g,h,i)Perylene	350	UJ

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583584

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC09

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 9 Date Analyzed: 05/22/95

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	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	52	~~B~~
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	25	
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	UJ
591-78-6	2-Hexanone	11	UJ
127-18-4	Tetrachloroethene	11	UJ
79-34-5	1,1,2,2-Tetrachloroethane	11	UJ
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	11	UJ
100-41-4	Ethylbenzene	11	UJ
100-42-5	Styrene	11	UJ
1330-20-7	Xylene (total)	11	UJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583589

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

% Moisture: 7 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	2.9	
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	0.66	JP
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	4.7	
33213-65-9	Endosulfan II	3.5	U
50-29-3	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	0.88	JP
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	1.9	J
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	0.59	JP
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	16	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

ıb Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583584

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E06

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 9 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	UJ
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	880	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	UJ
83-32-9	Acenaphthene	360	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583584

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC09

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 9 Date Analyzed: 05/22/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

.b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583584

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E06

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 9 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.77	28000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.05	360	BJ
3.	UNKNOWN	10.10	290	BJ
4.	UNKNOWN	11.50	980	BJ
5.	UNKNOWN BROMO HEXANE	11.83	1000	J
6.	UNKNOWN ALIP. KETONE	12.18	270	BAJ
7.	UNKNOWN	12.62	340	J
8.	UNKNOWN	13.17	810	J
9.	UNKNOWN ALIP. HYDROCARBON	20.70	100	J
10.	UNKNOWN ALIP. HYDROCARBON	21.68	110	J
11.	UNKNOWN ALIP. HYDROCARBON	22.23	230	J
12.	UNKNOWN ALIP. HYDROCARBON	23.70	230	J
13.	UNKNOWN ALIP. HYDROCARBON	25.07	340	J
14.	UNKNOWN ALIP. HYDROCARBON	25.17	950	J
15.	UNK. SUBSTITUTED NAPHTHALENE	25.23	450	J
16.	UNKNOWN ALIP. HYDROCARBON	26.38	290	J
17.	UNKNOWN ALIP. HYDROCARBON	26.53	170	J
18.	UNKNOWN ALIP. HYDROCARBON	27.62	320	J
19.	UNKNOWN ALIP. ACID	28.33	190	J
20.	UNKNOWN ALIP. HYDROCARBON	28.82	240	J
21.	UNKNOWN ALIP. HYDROCARBON	29.95	240	J
22.	UNKNOWN ALIP. HYDROCARBON	31.05	280	J
23.	UNKNOWN ALIP. HYDROCARBON	32.08	340	J
24.	UNKNOWN ALIP. HYDROCARBON	33.10	430	J
25.	UNKNOWN ALIP. HYDROCARBON	34.10	890	J
26.	UNKNOWN ALIP. HYDROCARBON	35.22	550	J
27.	UNKNOWN ALIP. HYDROCARBON	36.48	720	J
28.	UNKNOWN ALIP. HYDROCARBON	37.98	410	J
29.	UNKNOWN	38.75	280	J
30.	UNKNOWN ALIP. HYDROCARBON	39.75	1900	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583584

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E06

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 9 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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	880	UJ
100-02-7	4-Nitrophenol	880	UJ
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-10-6	4-Nitroaniline	880	UR
534-52-1	4,6-Dinitro-2-methylphenol	880	U
86-30-6	N-Nitrosodiphenylamine (1)	360	UJ
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	UJ
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	440	BU
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	96	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	UJ
56-55-3	Benzo(a)Anthracene	360	U
218-01-9	Chrysene	360	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	UJ
205-99-2	Benzo(b)Fluoranthene	360	U
207-08-9	Benzo(k)Fluoranthene	360	U
50-32-8	Benzo(a)Pyrene	360	U
193-39-5	Indeno(1,2,3-cd)Pyrene	360	UJ
53-70-3	Dibenz(a,h)Anthracene	360	UJ
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583579

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC04

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 22 Date Analyzed: 05/22/95

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
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13 ~~6~~	~~B~~ JU
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583584

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

% Moisture: 9 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/15/95

Injection Volume: 1.00 (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	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.3	JP
76-44-8	Heptachlor	0.32	JP
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	0.63	JP
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	17	
33213-65-9	Endosulfan II	3.6	U
50-29-3	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.5	J
7421-36-3	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.5	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	43	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583579

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E07

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	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	UJ
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	U
83-32-9	Acenaphthene	420	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583579

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC04

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 22 Date Analyzed: 05/22/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583579

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E07

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.80	31000	JNBAO
2.	UNKNOWN	10.15	450	BJ
3.	UNKNOWN ALIP. HYDROCARBON	10.27	490	J
4.	UNKNOWN	11.50	1100	BJ
5.	UNKNOWN ALIP. KETONE	12.20	550	BAJ
6.	UNKNOWN	12.63	330	J
7.	UNKNOWN	13.18	1100	J
8.	UNKNOWN ALIP. HYDROCARBON	19.10	150	J
9.	UNKNOWN	20.73	200	J
10.	UNKNOWN ALIP. HYDROCARBON	21.70	200	J
11.	UNKNOWN ALIP. HYDROCARBON	22.27	350	J
12.	UNKNOWN ALIP. HYDROCARBON	23.72	320	J
13.	UNKNOWN ALIP. HYDROCARBON	24.42	240	J
14.	UNKNOWN ALIP. HYDROCARBON	25.10	800	J
15.	UNKNOWN ALIP. HYDROCARBON	25.20	730	J
16.	UNKNOWN ALIP. HYDROCARBON	26.42	620	J
17.	UNKNOWN ALIP. HYDROCARBON	26.55	500	J
18.	UNKNOWN PHTHALATE	27.45	1600	BJ
19.	UNKNOWN ALIP. HYDROCARBON	27.65	620	J
20.	UNKNOWN ALIP. ACID	28.37	210	J
21.	UNKNOWN ALIP. HYDROCARBON	28.85	430	J
22.	UNKNOWN ALIP. HYDROCARBON	29.98	450	J
23.	UNKNOWN ALIP. HYDROCARBON	31.07	310	J
24.	UNKNOWN	32.12	340	J
25.	UNKNOWN	33.13	260	J
26.	UNKNOWN ALIP. HYDROCARBON	34.13	970	J
27.	UNKNOWN ALIP. HYDROCARBON	35.23	310	J
28.	UNKNOWN ALIP. HYDROCARBON	36.52	340	J
29.	UNKNOWN	38.77	870	J
30.	UNKNOWN ALIP. HYDROCARBON	39.77	730	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583579

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E07

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 22 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1000	U
100-02-7	4-Nitrophenol	1000	UJ
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	UR
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	UJ
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	BJU
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	UJ
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	UJ
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	UJ
191-24-2	Benzo(g,h,i)Perylene	420	UJ

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583580

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC05

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 28 Date Analyzed: 05/22/95

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	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14 ~~10~~	~~B~~JU
67-64-1	Acetone	20	
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 ~~5~~	~~B~~JU
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583579

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

% Moisture: 22 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/15/95

Injection Volume: 1.00 (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	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	0.31	JP
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	1.0	JP
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	1.8	J
33213-65-9	Endosulfan II	4.2	U
50-29-3	4,4'-DDD	3.0	JP
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	1.2	J
72-43-5	Methoxychlor	3.9	J
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	0.17	JP
5103-71-9	alpha-Chlordane	4.5	P
5103-74-2	gamma-Chlordane	4.7	
8001-35-2	Toxaphene	220	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	42	U
11097-69-1	Aroclor-1254	28	J
11096-82-5	Aroclor-1260	21	JP

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

ab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583580

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E08

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-Di-n-Propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)Methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	UJ
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583580

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC05

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 28 Date Analyzed: 05/22/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583580

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E08

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.78	40000	JNBA()
2.	UNKNOWN ALIP. HYDROCARBON	10.43	280	J
3.	UNKNOWN	11.50	1400	BJ
4.	UNKNOWN ALIP. KETONE	12.18	540	BAJ
5.	UNKNOWN	12.62	430	J
6.	UNKNOWN	13.17	1600	J
7.	UNKNOWN	14.53	850	J
8.	UNKNOWN ALIP. HYDROCARBON	25.08	310	J
9.	UNKNOWN ALIP. HYDROCARBON	26.40	240	J
10.	UNKNOWN ALIP. HYDROCARBON	26.53	200	J
11.	UNKNOWN PHTHALATE	27.45	1600	BJ
12.	UNKNOWN ALIP. ACID	28.35	310	J
13.	UNKNOWN	32.10	240	J
14.	UNKNOWN	34.12	1200	J
15.	UNKNOWN	34.52	220	J
16.	UNKNOWN	35.68	530	J
17.	UNKNOWN	36.15	580	J
18.	UNKNOWN ALIP. HYDROCARBON	36.50	1400	J
19.	UNKNOWN	36.58	220	J
20.	UNKNOWN	37.02	950	J
21.	UNKNOWN	37.57	1400	J
22.	UNKNOWN	37.98	220	J
23.	UNKNOWN	38.60	1800	J
24.	UNKNOWN	38.77	1600	J
25.	UNKNOWN	39.25	1900	J
26.	UNKNOWN ALIP. HYDROCARBON	39.75	5500	J
27.	UNKNOWN ALIP. HYDROCARBON	39.93	990	J
28.	UNKNOWN	40.47	1500	J
29.	UNKNOWN	41.25	1900	J
30.	UNKNOWN ALIP. HYDROCARBON	44.45	3100	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583580

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E08

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/07/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1100	UJ
100-02-7	4-Nitrophenol	1100	UJ
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	UR
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	460	UJ
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	UJ
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	430	J
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	490	BU
206-44-0	Fluoranthene	660	
129-00-0	Pyrene	530	
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	UJ
56-55-3	Benzo(a)Anthracene	280	J
218-01-9	Chrysene	280	J
117-81-7	bis(2-Ethylhexyl)Phthalate	170	J
117-84-0	Di-n-Octyl Phthalate	460	UJ
205-99-2	Benzo(b)Fluoranthene	300	J
207-08-9	Benzo(k)Fluoranthene	460	U
50-32-8	Benzo(a)Pyrene	240	J
193-39-5	Indeno(1,2,3-cd)Pyrene	460	UJ
53-70-3	Dibenz(a,h)Anthracene	460	UJ
191-24-2	Benzo(g,h,i)Perylene	460	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583581

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC06

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 35 Date Analyzed: 05/22/95

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	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	15 ~~10~~	~~B~~JU
67-64-1	Acetone	27	
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 ~~10~~	~~B~~JU
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583580

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

% Moisture: 28 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/16/95

Injection Volume: 1.00 (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	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	0.22	JP
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	3.4	JP
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	3.5	JP
33213-65-9	Endosulfan II	4.5	U
50-29-3	4,4'-DDD	4.0	JP
1031-07-8	Endosulfan sulfate	1.6	JP
50-29-3	4,4'-DDT	13	P
72-43-5	Methoxychlor	5.1	JP
53494-70-5	Endrin ketone	4.5	U
7421-36-3	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.8	P
5103-74-2	gamma-Chlordane	4.7	P
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	87	P
11096-82-5	Aroclor-1260	57	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583581

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E05

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	510	U
111-44-4	bis(2-Chloroethyl)Ether	510	U
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	UJ
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583581

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC06

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 35 Date Analyzed: 05/22/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583581

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E05

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.80	39000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.07	510	BJ
3.	UNKNOWN ALIP. HYDROCARBON	10.25	490	J
4.	UNKNOWN ALIP. HYDROCARBON	10.45	270	J
5.	UNKNOWN	11.52	1400	BJ
6.	UNKNOWN ALIP. KETONE	12.22	460	BAJ
7.	UNKNOWN	12.63	540	J
8.	UNKNOWN	13.18	1500	J
9.	UNKNOWN	14.55	790	J
10.	UNKNOWN ALIP. HYDROCARBON	25.10	300	J
11.	UNKNOWN PHTHALATE	27.45	1400	BJ
12.	UNKNOWN ALIP. ACID	28.37	460	J
13.	UNKNOWN	32.12	250	J
14.	UNKNOWN PNA	32.18	270	J
15.	UNKNOWN	34.13	1500	J
16.	UNKNOWN	34.53	270	J
17.	UNKNOWN	35.70	690	J
18.	UNKNOWN	36.17	650	J
19.	UNKNOWN ALIP. HYDROCARBON	36.52	1200	J
20.	UNKNOWN	36.62	310	J
21.	UNKNOWN	37.03	1100	J
22.	UNKNOWN	37.60	1500	J
23.	UNKNOWN	38.62	2100	J
24.	UNKNOWN	38.78	2100	J
25.	UNKNOWN	39.27	2400	J
26.	UNKNOWN	39.98	1300	J
27.	UNKNOWN	40.50	1800	J
28.	UNKNOWN	41.27	2400	J
29.	UNKNOWN	43.07	640	J
30.	UNKNOWN ALIP. HYDROCARBON	44.47	3900	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583581

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0606E05

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	1200	UJ
100-02-7	4-Nitrophenol	1200	UJ
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	UR
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	510	UJ
101-55-3	4-Bromophenyl-phenylether	510	U
118-74-1	Hexachlorobenzene	510	UJ
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	630	
120-12-7	Anthracene	120	J
86-74-8	Carbazole	510	U
84-74-2	Di-n-Butylphthalate	510 ~~480~~	RJU
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	510	U
91-94-1	3,3'-Dichlorobenzidine	510	UJ
56-55-3	Benzo(a)Anthracene	640	
218-01-9	Chrysene	630	J
117-81-7	bis(2-Ethylhexyl)Phthalate	230	J
117-84-0	Di-n-Octyl Phthalate	510	UJ
205-99-2	Benzo(b)Fluoranthene	700	
207-08-9	Benzo(k)Fluoranthene	510	U
50-32-8	Benzo(a)Pyrene	630	
193-39-5	Indeno(1,2,3-cd)Pyrene	510	UJ
53-70-3	Dibenz(a,h)Anthracene	510	UJ
191-24-2	Benzo(g,h,i)Perylene	510	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583582

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC11

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 33 Date Analyzed: 05/22/95

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	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	15 ~~6~~	BJU
67-64-1	Acetone	42	
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 ~~13~~	BJU
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583581

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

% Moisture: 35 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/16/95

Injection Volume: 1.00 (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)	0.25	JP
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	3.8	JP
72-55-9	4,4'-DDE	5.0	U
72-20-8	Endrin	4.1	JP
33213-65-9	Endosulfan II	5.0	U
50-29-3	4,4'-DDD	3.5	JP
1031-07-8	Endosulfan sulfate	0.92	JP
50-29-3	4,4'-DDT	2.7	JP
72-43-5	Methoxychlor	8.5	J
53494-70-5	Endrin ketone	5.0	U
7421-36-3	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	2.6	P
5103-74-2	gamma-Chlordane	4.3	P
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	~~86~~ 67	
11096-82-5	Aroclor-1260	58	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583582

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E07

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 33 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	490	U
111-44-4	bis(2-Chloroethyl)Ether	490	U
95-57-8	2-Chlorophenol	490	U
541-73-1	1,3-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
95-50-1	1,2-Dichlorobenzene	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-Di-n-Propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)Methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
120-82-1	1,2,4-Trichlorobenzene	490	U
91-20-3	Naphthalene	490	U
106-47-8	4-Chloroaniline	490	U
87-68-3	Hexachlorobutadiene	490	UJ
59-50-7	4-Chloro-3-Methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	490	U
208-96-8	Acenaphthylene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
99-09-2	3-Nitroaniline	1200	UJ
83-32-9	Acenaphthene	150	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583582

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC11

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 33 Date Analyzed: 05/22/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583582

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E07

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 33 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.77	40000	JNBAU
2.	UNKNOWN	13.15	1800	J
3.	UNKNOWN ALIP. ACID	28.37	1700	J
4.	UNKNOWN	30.65	2000	J
5.	UNKNOWN PNA	31.17	900	J
6.	UNKNOWN ALIP. HYDROCARBON	32.10	1200	J
7.	UNKNOWN PNA	32.17	650	J
8.	UNKNOWN PNA	32.35	620	J
9.	UNKNOWN	32.50	270	J
10.	UNKNOWN	32.88	310	J
11.	UNKNOWN ALIP. HYDROCARBON	33.10	720	J
12.	UNKNOWN	33.37	100	J
13.	UNKNOWN	33.47	370	J
14.	UNKNOWN	33.65	220	J
15.	UNKNOWN	33.75	120	J
16.	UNKNOWN PNA	34.07	280	J
17.	UNKNOWN ALIP. HYDROCARBON	34.12	4700	J
18.	UNKNOWN PNA	34.23	290	J
19.	UNKNOWN	34.53	400	J
20.	UNKNOWN ALIP. HYDROCARBON	35.22	840	J
21.	UNKNOWN PNA	35.33	340	J
22.	UNKNOWN	35.73	920	J
23.	UNKNOWN ALIP. HYDROCARBON	36.52	9400	J
24.	UNKNOWN	36.58	1100	J
25.	UNKNOWN	37.15	870	J
26.	UNKNOWN	38.77	6300	J
27.	UNKNOWN ALIP. HYDROCARBON	39.78	58000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583582

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0606E07

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 33 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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	UJ
100-02-7	4-Nitrophenol	1200	UJ
132-64-9	Dibenzofuran	120	J
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
86-73-7	Fluorene	250	J
100-10-6	4-Nitroaniline	1200	UR
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	490	UJ
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	UJ
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	3300	
120-12-7	Anthracene	460	J
86-74-8	Carbazole	490	U
84-74-2	Di-n-Butylphthalate	530	BU
206-44-0	Fluoranthene	3900	
129-00-0	Pyrene	3200	
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	UJ
56-55-3	Benzo(a)Anthracene	1800	
218-01-9	Chrysene	1900	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1100	
117-84-0	Di-n-Octyl Phthalate	490	UJ
205-99-2	Benzo(b)Fluoranthene	1600	
207-08-9	Benzo(k)Fluoranthene	490	U
50-32-8	Benzo(a)Pyrene	1200	
193-39-5	Indeno(1,2,3-cd)Pyrene	490	UJ
53-70-3	Dibenz(a,h)Anthracene	490	UJ
191-24-2	Benzo(g,h,i)Perylene	490	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583583

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC08

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 28 Date Analyzed: 05/22/95

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	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14 ~~9~~	~~B~~JU
67-64-1	Acetone	32	
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 ~~11~~	~~B~~JU
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583582

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

% Moisture: 33 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/15/95

Injection Volume: 1.00 (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	0.74	JP
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	0.35	JP
76-44-8	Heptachlor	1.5	JP
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	2.5	U
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	11	P
72-55-9	4,4'-DDE	19	
72-20-8	Endrin	9.0	P
33213-65-9	Endosulfan II	4.9	U
50-29-3	4,4'-DDD	60	P
1031-07-8	Endosulfan sulfate	5.8	P
50-29-3	4,4'-DDT	18	P
72-43-5	Methoxychlor	15	JP
53494-70-5	Endrin ketone	4.9	U
7421-36-3	Endrin aldehyde	4.9	U
5103-71-9	alpha-Chlordane	24	P
5103-74-2	gamma-Chlordane	17	P
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	49	U
11097-69-1	Aroclor-1254	300	
11096-82-5	Aroclor-1260	590	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583583

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0605E10

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583583

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0522LC08

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 28 Date Analyzed: 05/22/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583583

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0605E10

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.80	34000	JNBAU
2.	UNKNOWN ALIP. HYDROCARBON	10.07	490	BJ
3.	UNKNOWN	10.13	390	BJ
4.	UNKNOWN ALIP. HYDROCARBON	10.27	470	J
5.	UNKNOWN ALIP. HYDROCARBON	10.45	260	J
6.	UNKNOWN	11.50	1200	BJ
7.	UNKNOWN ALIP. KETONE	12.20	440	BAJ
8.	UNKNOWN	12.63	420	J
9.	UNKNOWN	13.18	1200	J
10.	UNKNOWN ALIP. HYDROCARBON	25.18	210	J
11.	UNKNOWN PHTHALATE	27.45	1700	BJ
12.	UNKNOWN ALIP. ACID	28.37	190	J
13.	UNKNOWN	32.12	210	J
14.	UNKNOWN	34.13	1100	J
15.	UNKNOWN	35.15	240	J
16.	UNKNOWN ALIP. HYDROCARBON	36.52	1100	J
17.	UNKNOWN	36.60	220	J
18.	UNKNOWN	38.85	19000	J
19.	UNKNOWN ALIP. HYDROCARBON	39.77	2500	J
20.	UNKNOWN	39.97	690	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583583

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B0605E10

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 28 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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	UJ
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	UR
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	UJ
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-Butylphthalate	460 ~~420~~	BJU
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	UJ
56-55-3	Benzo(a)Anthracene	180	J
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U
117-84-0	Di-n-Octyl Phthalate	460	U
205-99-2	Benzo(b)Fluoranthene	290	J
207-08-9	Benzo(k)Fluoranthene	180	J
50-32-8	Benzo(a)Pyrene	290	J
193-39-5	Indeno(1,2,3-cd)Pyrene	460	U
53-70-3	Dibenz(a,h)Anthracene	460	UJ
191-24-2	Benzo(g,h,i)Perylene	460	UJ

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501DL

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: B0523LC13

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 3 Date Analyzed: 05/23/95

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	52	U
74-83-9	Bromomethane	52	U
75-01-4	Vinyl Chloride	52	U
75-00-3	Chloroethane	52	U
75-09-2	Methylene Chloride	580	~~B~~D
67-64-1	Acetone	100	D
75-15-0	Carbon Disulfide	52	U
75-35-4	1,1-Dichloroethene	52	U
75-34-3	1,1-Dichloroethane	52	U
540-59-0	1,2-Dichloroethene (total)	52	U
67-66-3	Chloroform	52	U
107-06-2	1,2-Dichloroethane	52	UJ
78-93-3	2-Butanone	52	U
71-55-6	1,1,1-Trichloroethane	52	U
56-23-5	Carbon Tetrachloride	52	U
75-27-4	Bromodichloromethane	52	U
78-87-5	1,2-Dichloropropane	52	U
10061-01-5	cis-1,3-Dichloropropene	52	U
79-01-6	Trichloroethene	52	U
124-48-1	Dibromochloromethane	52	U
79-00-5	1,1,2-Trichloroethane	52	U
71-43-2	Benzene	52	U
10061-02-6	trans-1,3-Dichloropropene	52	U
75-25-2	Bromoform	52	U
108-10-1	4-Methyl-2-Pentanone	52	U
591-78-6	2-Hexanone	52	U
127-18-4	Tetrachloroethene	52	U
79-34-5	1,1,2,2-Tetrachloroethane	52	U
108-88-3	Toluene	52	U
108-90-7	Chlorobenzene	52	U
100-41-4	Ethylbenzene	52	U
100-42-5	Styrene	52	U
1330-20-7	Xylene (total)	52	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583583

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

% Moisture: 28 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/16/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.46	JP
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	0.32	JP
76-44-8	Heptachlor	0.27	JP
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	5.5	
33213-65-9	Endosulfan II	4.6	U
50-29-3	4,4'-DDD	1.0	JP
1031-07-8	Endosulfan sulfate	0.76	JP
50-29-3	4,4'-DDT	0.50	JP
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	16	JP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0523LC08

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 3 Date Analyzed: 05/23/95

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	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	280	BE
67-64-1	Acetone	190	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	7	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X501DL

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590DL

Sample wt/vol: 1.0 (g/mL) G Lab File ID: B0523LC13

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 3 Date Analyzed: 05/23/95

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E06

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 3 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-Di-n-Propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)Methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	UJ
87-68-3	Hexachlorobutadiene	340	UJ
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	340	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0523LC08

Level: (low/med) LOW Date Received: 05/18/95

% Moisture: not dec. 3 Date Analyzed: 05/23/95

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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X501

b Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E06

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 3 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	9.80	29000	JNBA
2.	UNKNOWN	10.13	530	BJ
3.	UNKNOWN ALIP. HYDROCARBON	10.27	350	J
4.	UNKNOWN	11.52	1100	BJ
5.	UNKNOWN	11.95	400	J
6.	UNKNOWN ALIP. KETONE	12.20	1000	BAJ
7.	UNKNOWN ALIP. HYDROCARBON	21.70	220	J
8.	UNKNOWN ALIP. HYDROCARBON	22.27	110	J
9.	UNKNOWN ALIP. HYDROCARBON	23.72	110	J
10.	UNKNOWN ALIP. HYDROCARBON	25.10	280	J
11.	UNKNOWN ALIP. HYDROCARBON	25.18	130	J
12.	UNKNOWN ALIP. HYDROCARBON	26.42	320	J
13.	UNKNOWN ALIP. HYDROCARBON	26.55	220	J
14.	UNKNOWN PHTHALATE	27.47	1400	BJ
15.	UNKNOWN ALIP. HYDROCARBON	27.65	330	J
16.	UNKNOWN ALIP. HYDROCARBON	28.85	250	J
17.	UNKNOWN ALIP. HYDROCARBON	29.98	250	J
18.	UNKNOWN	31.07	190	J
19.	UNKNOWN	32.12	170	J
20.	UNKNOWN	34.13	670	J
21.	UNKNOWN ALIP. HYDROCARBON	36.52	400	J
22.	UNKNOWN ALIP. HYDROCARBON	39.75	1200	J
23.	UNKNOWN	44.45	780	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B0605E06

Level: (low/med) LOW Date Received: 05/19/95

% Moisture: 3 decanted: (Y/N) N Date Extracted: 05/22/95

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 06/06/95

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	UJ
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-10-6	4-Nitroaniline	820	UR
534-52-1	4,6-Dinitro-2-methylphenol	820	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	UJ
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-Butylphthalate	420	BU
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	UJ
56-55-3	Benzo(a)Anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)Phthalate	340	U
117-84-0	Di-n-Octyl Phthalate	340	UJ
205-99-2	Benzo(b)Fluoranthene	340	U
207-08-9	Benzo(k)Fluoranthene	340	UJ
50-32-8	Benzo(a)Pyrene	340	U
193-39-5	Indeno(1,2,3-cd)Pyrene	340	U
53-70-3	Dibenz(a,h)Anthracene	340	UJ
191-24-2	Benzo(g,h,i)Perylene	340	UJ

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X501

Lab Name: ILLINOIS EPA Contract: 0894380001

Lab Code: SPFLD Case No.: WOODRF SAS No.: _____ SDG No.: 583579

Matrix: (soil/water) SOIL Lab Sample ID: D583590

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

% Moisture: 3 decanted: (Y/N) N Date Received: 05/19/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/19/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	0.98	JP
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	0.80	J
33213-65-9	Endosulfan II	0.38	JP
50-29-3	4,4'-DDD	0.47	JP
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	0.35	JP
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U