.350000000--Montgomery
Nokomis Public Well #6
.LD981956477
Volume 2 of 2

EPA Region 5 Records Ctr.
379181

CERCLA
Screening Site Inspection Report

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

Confidential Material May be Enclosed

INORGANIC DATA QUALIFIERS

C (Concentration) Qualifier:

B - Indicates the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Indicates compound was analyzed for but not detected.

Q Qualifier:

E - The reported value is estimated because of the presence of interference.

M - Duplicate injection precision not met.

N - Spiked sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while the sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis not within control limits.

+ - Correlation coefficient for the MSA is less than 0.995.

M (Method) Qualifier Enter:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- "NR" if the analyte is not required to be analyzed.

ORGANIC DATA QUALIFIERS

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. This flag will <u>not</u> apply to pesticide/PCB's analyzed by GC/EC methods.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the Case Narrative.

SAMPLE HOLDING TIMES AND DILUTIONS

Laboratory ILLINOIS EPA

Case Number NOKMIS

Sample				VOA			BNA					PEST			
Number	M	L	Rcvd	Anal	Hld	Dil	Extr	Hld	Anal	Hld	Dil	Extr	Hld	Anal	Hld
3101	W	L	04/13	04/20	7										
3102	W	L	04/13	04/20	7										
3103	W	L	04/13	04/20	7										
3104	W	L	04/13	04/20	7										
3501	W	L	04/13	04/20	7										
3502	W	L	04/13	04/20	7										
3503	W	L	04/13	04/20	7										
X101	S	L	04/13	04/21	8										
X102	S	L	04/13	04/21	8										
X103	S	L	04/13	04/21	8										
VBLKW	W	L	04/13	04/20	7										
3101	W	L	04/13				04/14	1	05/01	17					
3102	W	L	04/13				04/14	1	05/02	18					
3103	W	L	04/13				04/14	1	05/02	18					
3104	W	L	04/13				04/14	1	05/02	18					
3501	W	L	04/13				04/14	1	05/01	17					
3502	W	L	04/13				04/14	1	05/01	17					
3503	W	L	04/13				04/14	1	05/02	18					
X101	S	L	04/13				04/17	4	06/08	52					
X102	S	L	04/13				04/17	4	06/08	52					
X103	S	L	04/13				04/17	4	05/16	29					

ILLINOIS EPA LABORATORY

CASE NARATIVE : NOKOMIS

SAMPLE I.D. : G101-G104
G501-G503
X101-X103

RECEIVED : 04/13/89

olatile/Semivolatile data :

The Illinois EPA Laboratory experienced a head crash on the Finnigan 4021 GC/MS. As a result the semivolatile data for samples X101 and X102 was lost. These two were rerun later but past the holding time.

No surrogate spike was added to the semivolatile blanks.

Dilution factors differ for some TIC reports because of the way FORMASTER calculates the data. The dilution factor on the target compound list is the correct one.

Pesticide data :

The confirmation sequence for pesticides/PCBs was run past the holding me.

J Henley

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97213

Matrix: (soil/water) WATER Lab Sample ID: D972183

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC03

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
----------	Total Xylenes	0.6	BJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972183

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC03

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972189

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: AC420L009

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972139

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC09

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972188

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LD08

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ Date Analyzed: 04/20/89

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972188

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC08

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972190

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC10

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: SFFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972190

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC10

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972184

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ Date Analyzed: 04/20/89

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	6	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	13	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
----------	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972184

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G502

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972185

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC06

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	0.5	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
----------	Total Xylenes	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G502

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: BEFLD Case No.: NORMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972185

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC06

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G503

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972191

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC11

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G503

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972191

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC11

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972195

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC09

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 22 Date Analyzed: 04/21/89

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

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

CAS NO.	COMPOUND		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	4	J
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-35-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	J
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	13	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97213

Matrix: (soil/water) SOIL Lab Sample ID: D972195

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC09

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 22 Date Analyzed: 04/21/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972194

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC07

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 36 Date Analyzed: 04/21/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	0.9	J
67-64-1	Acetone	16	U
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-35-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
108-05-4	Vinyl Acetate	16	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	Trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
	Total Xylenes	0.6	BJ

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972194

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC07

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 36 Date Analyzed: 04/21/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972193

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC08

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 23 Date Analyzed: 04/21/89

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

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	6	U
67-64-1	Acetone	42	
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-35-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	13	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
----------	Total Xylenes	6	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972193

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0421LC08T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 23 Date Analyzed: 04/21/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.37	10	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97213

Matrix: (soil/water) WATER Lab Sample ID: D972192

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC02

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ Date Analyzed: 04/20/89

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

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

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-35-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
----------	Total Xylenes	0.4	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKW

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972192

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0420LC02

Level: (low/med) LOW Date Received: 04/13/89

Moisture: not dec. ____ Date Analyzed: 04/20/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: 042189LS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC03

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

% Moisture: not dec. _____ Date Analyzed: 04/21/89

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKSL

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: 042189LS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0421LC03

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

% Moisture: not dec. _____ Date Analyzed: 04/21/89

Column (pack/cap) WIDE Dilution Factor: 1.00

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	G101	107	96	117 *		1
02	G102	97	92	102		0
03	G103	95	93	99		0
04	G104	102	96	101		0
05	G104MS	109	106	105		0
06	G104MSD	110	105	110		0
07	G501	99	92	111		0
08	G502	94	88	103		0
09	G503	109	104	107		0
10	VBLKW	97	90	111		0

		QC LIMITS
S1 (TOL)	= Toluene-d8	(88-110)
S2 (BFB)	= Bromofluorobenzene	(86-115)
S3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

0 Surrogates diluted out

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: GPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	VBLKSL	90	86	100		0
02	X101	89	85	104		0
03	X101MS	88	92	109		0
04	X101MSD	92	92	103		0
05	X102	93	87	107		0
06	X103	97	89	114		0

	QC LIMITS
S1 (TOL) = Toluene-d8	(81-117)
S2 (BFB) = Bromofluorobenzene	(74-121)
S3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix Spike - EPA Sample No.: G104

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	54.1	108	61-145
Trichloroethene	50.0	0	50.7	101	71-120
Benzene	50.0	0	51.2	102	76-127
Toluene	50.0	0	52.0	104	76-125
Chlorobenzene	50.0	0	51.8	104	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	52.2	104	4	14	61-145
Trichloroethene	50.0	51.1	102	-1	14	71-120
Benzene	50.0	53.2	106	-4	11	76-127
Toluene	50.0	53.0	106	-2	13	76-125
Chlorobenzene	50.0	52.0	104	0	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix Spike - EPA Sample No.: X101 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0	54.2	108	59-172
Trichloroethene	50.0	0	53.1	106	62-137
Benzene	50.0	0	52.9	106	66-142
Toluene	50.0	0	45.4	91	59-139
Chlorobenzene	50.0	0	48.4	97	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0	52.9	106	2	22	59-172
Trichloroethene	50.0	52.5	105	1	24	62-137
Benzene	50.0	50.2	100	6	21	66-142
Toluene	50.0	45.6	91	0	21	59-139
Chlorobenzene	50.0	49.5	99	-2	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: A0420LC02 Lab Sample ID: D972192

Date Analyzed: 04/20/89 Time Analyzed: 0959

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	G101	D972183	A0420LC03	1036
02	G102	D972189	A0420LC09	1423
03	G103	D972188	A0420LC08	1346
04	G104	D972190	A0420LC10	1505
05	G104MS	D972190	A0420LC17	1919
06	G104MSD	D972190R	A0420LC18	1953
07	G501	D972184	A0420LC04	1113
08	G502	D972185	A0420LC06	1229
09	G503	D972191	A0420LC11	1542

COMMENTS:

FORM IV VOA 1/87 Rev.

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: A0421LC03 Lab Sample ID: 042189LS

Date Analyzed: 04/21/89 Time Analyzed: 1136

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 5100

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X101	D972195	A0421LC09	1520
02	X101MS	D972194	A0421LC10	1559
03	X101MSD	D972194R	A0421LC11	1633
04	X102	D972194	A0421LC07	1400
05	X103	D972193	A0421LC08	1437
06	X103	D972193	A0421LC08T	1437

COMMENTS:

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97219

Lab File ID: A0420LC06 BFB Injection Date: 04/20/89

Instrument ID: 5100 BFB Injection Time: 1229

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) WIDE

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	41.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.4)1
174	Greater than 50.0% of mass 95	50.2
175	5.0 - 9.0% of mass 174	3.4 (6.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	48.2 (96.1)1
177	5.0 - 9.0% of mass 176	3.2 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLKW	D972192	A0420LC02	04/20/89	0959
02	G101	D972183	A0420LC03	04/20/89	1036
03	G501	D972184	A0420LC04	04/20/89	1113
04	G502	D972185	A0420LC06	04/20/89	1229
05	G103	D972188	A0420LC08	04/20/89	1346
06	G102	D972189	A0420LC09	04/20/89	1423
07	G104	D972190	A0420LC10	04/20/89	1505
08	G503	D972191	A0420LC11	04/20/89	1542
09	VSTD50	042089STD	A0420LC16	04/20/89	1845
10	G104MS	D972190	A0420LC17	04/20/89	1919
11	G104MSD	D972190R	A0420LC18	04/20/89	1953

FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: A0421LC07 BFB Injection Date: 04/21/89

Instrument ID: 5100 BFB Injection Time: 1400

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) WIDE

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.5
75	30.0 - 60.0% of mass 95	43.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	Greater than 50.0% of mass 95	55.2
175	5.0 - 9.0% of mass 174	3.8 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	53.2 (96.3)1
177	5.0 - 9.0% of mass 176	3.5 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLKSL	042189LS	A0421LC03	04/21/89	1136
02	VSTD50	042189STD	A0421LC05	04/21/89	1252
03	X102	D972194	A0421LC07	04/21/89	1400
04	X103	D972193	A0421LC08	04/21/89	1437
05	X103	D972193	A0421LC08T	04/21/89	1437
06	X101	D972195	A0421LC09	04/21/89	1520
07	X101MS	D972194	A0421LC10	04/21/89	1559
08	X101MSD	D972194R	A0421LC11	04/21/89	1633

FORM V VOA 1/87 Rev.

5A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: 0218160007

Lab Code: SFFLD Case No.: TAYLOR SAS No.: _____ SDG No.: D97206

Instrument ID: 5100 Calibration Date(s): 04/04/89 04/04/89

Matrix:(soil/water) _____ Level:(low/med) _____ Column:(pack/cap) WIDE

Min RRF for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = A0404LC11 RRF50 = A0404LC12
RRF100= A0404LC13 RRF150= A0404LC14 RRF200= A0404LC15

COMPOUND	RRF20	RRF50	RRF100	RRF150	RRF200	RRF	% RSD
Chloromethane #	0.932	0.859	1.145	1.324	1.264	1.105	18.4=
Bromomethane	0.497	0.586	0.815	0.590	0.796	0.657	21.5
Vinyl Chloride *	1.279	1.198	1.613	1.432	1.638	1.432	13.7*
Chloroethane	0.369	0.373	0.459	0.333	0.476	0.402	15.4
Methylene Chloride	1.698	1.700	1.720	1.727	1.956	1.760	6.3
Acetone	0.181	0.214	0.276	0.332	0.409	0.282	32.5
Carbon Disulfide	2.492	2.570	2.678	3.307	3.591	2.928	16.8
1,1-Dichloroethene *	1.100	1.064	1.045	0.995	1.106	1.062	4.3*
1,1-Dichloroethane #	4.139	3.458	4.512	4.789	4.028	4.185	12.1=
1,2-Dichloroethene (total)	1.538	1.611	1.708	1.841	2.258	1.791	15.9
Chloroform *	4.001	4.384	5.715	5.379	5.498	4.995	15.1*
1,2-Dichloroethane	0.347	0.299	0.357	0.337	0.354	0.339	6.9
2-Butanone	0.020	0.018	0.026	0.022	0.018	0.021	15.9
1,1,1-Trichloroethane	1.595	2.202	3.312	2.278	2.933	2.464	27.2
Carbon Tetrachloride	0.197	0.192	0.241	0.232	0.233	0.219	10.4
Vinyl Acetate	0.146	0.197	0.195	0.190	0.127	0.171	18.9
Bromodichloromethane	0.360	0.311	0.396	0.405	0.467	0.388	14.9
1,2-Dichloropropane *	0.448	0.363	0.448	0.452	0.483	0.439	10.2*
cis-1,3-Dichloropropene	0.215	0.148	0.255	0.271	0.328	0.243	27.6
Trichloroethene	0.379	0.317	0.383	0.382	0.404	0.373	8.8
Dibromochloromethane	0.288	0.232	0.325	0.352	0.389	0.317	19.0
1,1,2-Trichloroethane	0.356	0.264	0.369	0.380	0.420	0.358	16.1
Benzene	1.082	0.902	1.084	0.997	0.910	0.995	8.9
trans-1,3-Dichloropropene	0.467	0.477	0.516	0.548	0.624	0.526	12.1
Bromoform #	0.356	0.296	0.410	0.426	0.470	0.392	17.2=
4-Methyl-2-Pentanone		0.417	0.405	0.370	0.384	0.315	56.2
2-Hexanone	0.207	0.158	0.267	0.270	0.239	0.228	20.5
Tetrachloroethene	0.334	0.252	0.348	0.344	0.355	0.327	13.0
1,1,2,2-Tetrachloroethane #	0.560	0.429	0.666	0.689	0.745	0.618	20.2=
Toluene *	1.535	1.212	1.595	1.532	1.568	1.488	10.5
Chlorobenzene #	1.024	0.786	1.083	1.073	1.113	1.016	13.0=
Ethylbenzene *	0.534	0.436	0.557	0.576	0.591	0.539	11.4*
Styrene	0.952	0.788	1.104	1.205	1.149	1.040	16.3
Total Xylenes	0.587	0.483	0.659	0.718	0.678	0.625	14.8
Toluene-d8	0.724	0.564	0.751	0.718	0.728	0.697	10.8
BFB	0.525	0.416	0.553	0.558	0.589	0.528	12.6
1,2-Dichloroethane-d4	0.138	0.131	0.165	0.164	0.174	0.154	12.2

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: 5100 Calibration date: 04/20/89 Time: 1845

Lab File ID: A0420LC16 Init. Calib. Date(s): 04/04/89 04/04/89

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) WIDE

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Chloromethane #	1.105	1.045	5.4 #
Bromomethane	0.657	0.552	16.0
Vinyl Chloride *	1.432	1.470	-2.7 *
Chloroethane	0.402	0.513	-27.6
Methylene Chloride	1.760	1.009	42.7
Acetone	0.282	0.166	41.1
Carbon Disulfide	2.928	1.720	41.3
1,1-Dichloroethene *	1.062	0.907	14.6 *
1,1-Dichloroethane #	4.185	2.434	41.8 #
1,2-Dichloroethene (total)	1.791	1.041	41.9
Chloroform *	4.995	4.873	2.4 *
1,2-Dichloroethane	0.339	0.429	-26.6
2-Butanone	0.021	0.023	-9.5
1,1,1-Trichloroethane	2.464	2.397	2.7
Carbon Tetrachloride	0.219	0.335	-53.0
Vinyl Acetate	0.171	0.184	-7.6
Bromodichloromethane	0.388	0.483	-24.5
1,2-Dichloropropane *	0.439	0.412	6.2 *
cis-1,3-Dichloropropene	0.243	0.278	-14.4
Trichloroethene	0.373	0.395	-5.9
Dibromochloromethane	0.317	0.347	-9.5
1,1,2-Trichloroethane	0.358	0.378	-5.6
Benzene	0.995	0.976	1.9
Trans-1,3-Dichloropropene	0.526	0.746	-41.8
Bromoform #	0.392	0.338	13.8 #
4-Methyl-2-Pentanone	0.394	0.281	28.7
2-Hexanone	0.228	0.193	15.4
Tetrachloroethene	0.327	0.303	7.3
1,1,2,2-Tetrachloroethane #	0.618	0.687	-11.2 #
Toluene *	1.488	1.632	-9.7 *
Chlorobenzene #	1.016	1.039	-2.3 #
Ethylbenzene *	0.539	0.577	-7.1 *
Styrene	1.040	0.988	5.0
Total Xylenes	0.625	0.613	1.9
Toluene-d8	0.697	0.739	-6.0
BFB	0.528	0.603	-14.2
1,2-Dichloroethane-d4	0.154	0.183	-18.8

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97206

Instrument ID: 5100 Calibration date: 04/21/89 Time: 1252

Lab File ID: A0421LC05 Init. Calib. Date(s): 04/04/89 04/04/89

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) WIDE

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	1.105	0.985	10.9	#
Bromomethane		0.657	0.632	3.8	
Vinyl Chloride	*	1.432	1.572	-9.8	*
Chloroethane		0.402	0.416	-3.5	
Methylene Chloride		1.760	0.939	46.7	
Acetone		0.282	0.330	-17.0	
Carbon Disulfide		2.928	1.544	47.3	
1,1-Dichloroethene	*	1.062	1.327	-25.0	*
1,1-Dichloroethane	#	4.185	4.240	-1.3	#
1,2-Dichloroethene (total)		1.791	0.969	45.9	
Chloroform	*	4.995	3.600	27.9	*
1,2-Dichloroethane		0.339	0.464	-36.9	
2-Butanone		0.021	0.040	-90.5	
1,1,1-Trichloroethane		2.464	2.412	2.1	
Carbon Tetrachloride		0.219	0.318	-45.2	
Vinyl Acetate		0.171	0.162	5.3	
Bromodichloromethane		0.388	0.478	-23.2	
1,2-Dichloropropane	*	0.439	0.406	7.5	*
cis-1,3-Dichloropropene		0.243	0.290	-19.3	
Trichloroethene		0.373	0.387	-3.8	
Dibromochloromethane		0.317	0.394	-24.3	
1,1,2-Trichloroethane		0.358	0.450	-25.7	
Benzene		0.995	0.985	1.0	
Trans-1,3-Dichloropropene		0.526	0.745	-41.6	
Bromoform	#	0.392	0.287	26.8	#
4-Methyl-2-Pentanone		0.394	0.350	11.2	
2-Hexanone		0.228	0.320	-40.4	
Tetrachloroethene		0.327	0.297	9.2	
1,1,2,2-Tetrachloroethane	#	0.618	0.361	41.6	#
Toluene	*	1.488	1.651	-11.0	*
Chlorobenzene	#	1.016	1.078	-6.1	#
Ethylbenzene	*	0.539	0.592	-9.8	*
Styrene		1.040	1.060	-1.9	
Total Xylenes		0.625	0.648	-3.7	
Toluene-d8		0.697	0.774	-11.1	
BFB		0.528	0.614	-16.3	
1,2-Dichloroethane-d4		0.154	0.205	-33.1	

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): A0420LC16 Date Analyzed: 04/20/89

Instrument ID: 5100 Time Analyzed: 1845

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) WIDE

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	14200	3.23	78900	4.85	91900	15.24
	UPPER LIMIT	28400		157800		183800	
	LOWER LIMIT	7100		39450		45950	
	EPA SAMPLE NO.						
01	G101	13400	3.27	68900	4.92	86100	15.29
02	G102	14600	3.25	73600	4.88	91800	15.25
03	G103	13900	3.23	69400	4.88	87500	15.24
04	G104	14600	3.25	75200	4.87	93500	15.24
05	G104MS	13500	3.23	74000	4.88	82900	15.25
06	G104MSD	13300	3.22	69900	4.87	78900	15.25
07	G501	13700	3.23	68100	4.85	87800	15.22
08	G502	14200	3.27	71100	4.90	92500	15.25
09	G503	13300	3.23	69000	4.88	85600	15.24
10	VBLKW	13800	3.38	70300	5.17	90700	15.50

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): A0421LC05 Date Analyzed: 04/21/89

Instrument ID: 5100 Time Analyzed: 1252

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) WIDE

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	12300	3.18	77700	4.83	83400	15.24
	UPPER LIMIT	24600		155400		166800	
	LOWER LIMIT	6150		38850		41700	
	EPA SAMPLE NO.						
01	VBLKSL	13300	3.33	70800	5.08	83000	15.45
02	X101	10900	3.32	57200	4.97	69000	15.35
03	X101MS	9530	3.35	57300	5.13	69700	15.49
04	X101MSD	9560	3.25	61400	4.90	73300	15.30
05	X102	11100	3.30	57600	4.97	67700	15.35
06	X103	8660	3.27	45200	4.93	51200	15.30

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972183

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	45	J
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	7	J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972183

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972183

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK04T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.26	10	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972189

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972189

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	0.2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972189

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK04T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

GPC Clearup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 11

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.20	2.2	AJ
2.	UNKNOWN	4.42	2.0	AJ
3.	UNKNOWN	4.83	3.3	AJ
4.	UNKNOWN	5.75	2.4	AJ
5.	UNKNOWN	5.88	3.0	AJ
6.	UNKNOWN	7.22	9.0	AJ
7.	UNKNOWN	7.63	2.3	J
8.	UNKNOWN	7.92	18	J
9.	UNKNOWN	14.60	1.9	J
10.	UNKNOWN	20.04	16	J
11.	UNKNOWN	32.22	15	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972188

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK06

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972188

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK06

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972188

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK06T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

Number TICs found: 7

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.33	0.39	AJ
2.	UNKNOWN	4.53	0.55	AJ
3.	UNKNOWN	7.27	8.5	AJ
4.	UNKNOWN	7.70	0.50	J
5.	UNKNOWN	16.80	0.35	J
6.	UNKNOWN	16.95	0.56	J
7.	UNKNOWN	20.07	3.8	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972190

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK03

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972190

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK03

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972190

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK03T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.58	0.54	J
2.	UNKNOWN	7.27	4.6	AJ
3.	UNKNOWN	7.68	0.61	J
4.	UNKNOWN	9.37	0.68	J
5.	UNKNOWN	16.94	0.91	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972184

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK07

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972184

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK07

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: BPLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972184

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK07T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.80	0.87	AJ
2.	UNKNOWN	5.92	1.0	AJ
3.	UNKNOWN	7.23	4.0	AJ
4.	UNKNOWN	8.97	6.7	J
5.	UNKNOWN	9.34	1.7	J
6.	UNKNOWN	12.80	0.65	J
7.	UNKNOWN	14.59	1.6	J
8.	UNKNOWN	16.92	0.92	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G502

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: 3PFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972185

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK06

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G502

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972185

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK06

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G502

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972185

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY01GK06T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/01/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.85	0.57	AJ
2.	UNKNOWN	5.97	0.64	AJ
3.	UNKNOWN	7.28	3.7	AJ
4.	UNKNOWN	7.72	1.6	J
5.	UNKNOWN	9.02	1.9	J
6.	UNKNOWN	9.39	0.91	J
7.	UNKNOWN	14.65	0.50	J
8.	UNKNOWN	16.82	0.41	J
9.	UNKNOWN	16.97	0.78	J
10.	UNKNOWN HYDROCARBON	20.00	0.29	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G503

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972191

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK05

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G503

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972191

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK05

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G503

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972191

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK05T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 04/14/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

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

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.30	1.2	AJ
2.	UNKNOWN	7.70	3.0	J
3.	UNKNOWN	8.40	0.83	J
4.	UNKNOWN	9.00	8.2	J
5.	UNKNOWN	9.39	1.3	J
6.	UNKNOWN	13.27	2.1	J
7.	UNKNOWN	13.57	1.2	J
8.	UNKNOWN	14.64	3.1	J
9.	UNKNOWN	16.95	0.89	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972195

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JUN08GK05

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 22 dec. ____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.02

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-Butylphthalate	37	BJ
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)Anthracene	420	U
117-81-7	bis(2-Ethylhexyl)Phthalate	280	BJ
218-01-9	Chrysene	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenz(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972195

Sample wt/vol: 30.5 (g/mL) G Lab File ID: JUN08GK05

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 22 dec. ____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.02

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
100-51-6	Benzyl Alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
39638-32-9	bis(2-Chloroisopropyl)Ether	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
65-85-0	Benzoic Acid	2100	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	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972195

Sample wt/vol: 30.5 (g/mL) ML Lab File ID: JUN08GK05T

Level: (low/med) LOW Date Received: 04/13/89

Moisture: not dec. 22 dec. _____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 0.0305

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.15	21	J
2.	UNKNOWN	6.17	46	AJ
3.	UNKNOWN	6.63	140	AJ
4.	UNKNOWN	7.03	32	J
5.	UNKNOWN	7.28	4400	AJ
6.	UNKNOWN	7.68	44	J
7.	UNKNOWN	8.87	41	J
8.	UNKNOWN	9.00	24	AJ
9.	UNKNOWN	9.24	22	J
10.	UNKNOWN	10.87	30	J
11.	UNKNOWN	16.92	26	BJ
12.	UNKNOWN PHTHALATE	23.20	36	BJ
13.	UNKNOWN	27.46	74	J
14.	UNKNOWN	28.04	26	J
15.	UNKNOWN	28.14	190	J
16.	UNKNOWN ALIPHATIC ACID ESTER	28.37	10000	BJ
17.	UNKNOWN	28.66	20	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972194

Sample wt/vol: 30.6 (g/mL) G Lab File ID: JUN08GK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 36 dec. ____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.02

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	24	BJ
111-44-4	bis(2-Chloroethyl)Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
100-51-6	Benzyl Alcohol	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
39638-32-9	bis(2-Chloroisopropyl)Ether	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
65-85-0	Benzoic Acid	300	BJ
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	2500	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	2500	U
131-11-3	Dimethyl Phthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972194

Sample wt/vol: 30.6 (g/mL) G Lab File ID: JUN08GK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 36 dec. ____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.02

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2500	U
83-32-9	Acenaphthene	520	U
51-28-5	2,4-Dinitrophenol	2500	U
100-02-7	4-Nitrophenol	2500	U
132-64-9	Dibenzofuran	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	18	BJ
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-10-6	4-Nitroaniline	2500	U
534-52-1	4,6-Dinitro-2-Methylphenol	2500	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	46	J
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
84-74-2	Di-n-Butylphthalate	73	BJ
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	22	BJ
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)Anthracene	25	BJ
117-81-7	bis(2-Ethylhexyl)Phthalate	360	BJ
218-01-9	Chrysene	26	BJ
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b)Fluoranthene	520	U
207-08-9	Benzo(k)Fluoranthene	58	BJ
50-32-8	Benzo(a)Pyrene	64	BJ
193-39-5	Indeno(1,2,3-cd)Pyrene	520	U
53-70-3	Dibenz(a,h)Anthracene	520	U
191-24-2	Benzo(g,h,i)Perylene	520	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972194

Sample wt/vol: 30.6 (g/mL) ML Lab File ID: JUN08GK04T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 36 dec. ____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 0.0306

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.07	49	AJ
2.	UNKNOWN	6.53	180	AJ
3.	UNKNOWN	6.95	41	J
4.	UNKNOWN	7.22	4800	AJ
5.	UNKNOWN	8.80	45	J
6.	UNKNOWN	8.94	38	AJ
7.	UNKNOWN	9.17	26	AJ
8.	UNKNOWN	10.84	46	J
9.	UNKNOWN	23.00	65	J
10.	UNKNOWN PHTHALATE	23.17	63	BJ
11.	UNKNOWN	24.02	100	J
12.	UNKNOWN	26.27	53	J
13.	UNKNOWN HYDROCARBON	27.41	130	J
14.	UNKNOWN	28.11	210	J
15.	UNKNOWN ALIPHATIC ACID ESTER	28.36	16000	BJ
16.	UNKNOWN	28.62	120	J
17.	UNKNOWN	29.41	64	J
18.	UNKNOWN	30.51	28	J
19.	UNKNOWN ALIPHATIC HYDROCARBO	31.92	34	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972193

Sample wt/vol: 30.1 (g/mL) G Lab File ID: MAY16HK04

Level: (low/med) LOW Date Received: 04/13/89

Moisture: not dec. 23 dec. _____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/16/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

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
100-51-6	Benzyl Alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
39638-32-9	bis(2-Chloroisopropyl)Ether	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
65-85-0	Benzoic Acid	2100	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
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	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SFFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972193

Sample wt/vol: 30.1 (g/mL) G Lab File ID: MAY16HK04

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 23 dec. ____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/16/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
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	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-Butylphthalate	39	BJ
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)Anthracene	430	U
117-81-7	bis(2-Ethylhexyl)Phthalate	430	U
218-01-9	Chrysene	430	U
117-84-0	Di-n-Octyl Phthalate	430	U
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	U
53-70-3	Dibenz(a,h)Anthracene	430	U
191-24-2	Benzo(g,h,i)Perylene	430	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972193

Sample wt/vol: 30.1 (g/mL) ML Lab File ID: MAY16HK04T

Level: (low/med) LOW Date Received: 04/13/89

% Moisture: not dec. 23 dec. _____ Date Extracted: 04/17/89

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/16/89

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 0.0301

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.02	87	J
2.	UNKNOWN	4.77	4400	AJ
3.	UNKNOWN PHTHALATE	22.90	48	BJ
4.	UNKNOWN ALIPHATIC ACID ESTER	27.59	8300	BJ
5.	UNKNOWN ALIPHATIC HYDROCARBO	30.71	28	J
6.	UNKNOWN ALIPHATIC HYDROCARBO	34.04	66	J
7.	UNKNOWN ALIPHATIC HYDROCARBO	39.07	120	J
8.	UNKNOWN	44.31	370	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972237

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK07

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

% Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972237

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK07

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

% Moisture: not dec. ____ dec. ____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 05/02/89

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

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

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

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) WATER Lab Sample ID: D972237

Sample wt/vol: 1000 (g/mL) ML Lab File ID: MAY02GK07

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

% Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 05/02/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKLS

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972254

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JUN08GK03

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

% Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/KG	Q
108-95-2	Phenol	15	J
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
39638-32-9	bis(2-Chloroisopropyl)Ether	330	U
106-44-5	4-Methylphenol	9	J
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
65-85-0	Benzoic Acid	70	J
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	14	J
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKLS

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) SOIL Lab Sample ID: D972254

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JUN08GK03

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

% Moisture: not dec. ____ dec. ____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) ____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: ____ Dilution Factor: 1.000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	19	J
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-10-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	43	J
206-44-0	Fluoranthene	14	J
129-00-0	Pyrene	18	J
85-68-7	Butylbenzylphthalate	24	J
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)Anthracene	53	J
117-81-7	bis(2-Ethylhexyl)Phthalate	37	J
218-01-9	Chrysene	52	J
117-84-0	Di-n-Octyl Phthalate	37	J
205-99-2	Benzo(b)Fluoranthene	100	J
207-08-9	Benzo(k)Fluoranthene	110	J
50-32-8	Benzo(a)Pyrene	130	J
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKLS

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix: (soil/water) _____ Lab Sample ID: D972254

Sample wt/vol: 30.0 (g/mL) ML Lab File ID: JUN08GK03T

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

Moisture: not dec. _____ dec. _____ Date Extracted: _____

Extraction: (SepF/Cont/Sonc) _____ Date Analyzed: 06/08/89

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 0.0300

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.13	6.6	J
2.	UNKNOWN	8.12	7.9	J
3.	UNKNOWN	13.20	27	J
4.	UNKNOWN	16.79	7.2	J
5.	UNKNOWN	16.94	17	J
6.	UNKNOWN	18.35	39	J
7.	UNKNOWN PHTHALATE	23.22	36	J
8.	UNKNOWN	27.49	52	J
9.	UNKNOWN	27.97	24	J
10.	UNKNOWN ALIPHATIC ACID ESTER	28.41	16000	J

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97213

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	G101	101	79	155 *	69	62	91		1
02	G102	112	94	58	53	62	102		0
03	G103	65	61	55	39	50	63		0
04	G104	106	87	104	48	71	74		0
05	G501	107	93	85	22	32	52		0
06	G502	116 *	98	99	38	61	72		1
07	G503	99	81	92	59	62	110		0
08	SBLKW								

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

FORM II SV-1 1/87 Rev.

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97213

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	SELKLS								
02	X101	64	71	94	68	69	61		0
03	X102	64	67	84	71	70	91		0
04	X103	44	52	52	52	57	45		0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix Spike - EPA Sample No.: G503

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	200	0	34.4	17	12- 86
2-Chlorophenol	200	0	95.0	48	27-123
1,4-Dichlorobenzene	200	0	106	53	36 97
N-Nitroso-di-n-prop.(1)	200	0	129	65	41 116
1,2,4-Trichlorobenzene	200	0	102	51	39 98
4-Chloro-3-methylphenol	200	0	92.8	46	23 97
Acenaphthene	200	0	106	53	46-118
4-Nitrophenol	200	0	36.4	18	10- 80
2,4-Dinitrotoluene	200	0	108	54	24- 96
Pentachlorophenol	200	0	104	52	9-103
Pyrene	200	0	143	72	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	200	44.6	22	-26	42	12- 86
2-Chlorophenol	200	104	52	-8	40	27-123
1,4-Dichlorobenzene	200	106	53	0	28	36 97
N-Nitroso-di-n-prop.(1)	200	135	68	-5	38	41 116
1,2,4-Trichlorobenzene	200	111	56	-9	28	39 98
4-Chloro-3-methylphenol	200	99.6	50	-8	42	23 97
Acenaphthene	200	111	56	-6	31	46-118
4-Nitrophenol	200	44.4	22	-20	50	10- 80
2,4-Dinitrotoluene	200	121	61	-12	38	24- 96
Pentachlorophenol	200	110	55	-6	50	9-103
Pyrene	200	143	72	0	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Matrix Spike - EPA Sample No.: X102 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	100	24.1	92.3	69	26- 90
2-Chlorophenol	100	0	90.5	91	25-102
1,4-Dichlorobenzene	100	0	83.7	84	28 104
N-Nitroso-di-n-prop.(1)	100	0	89.2	89	41 126
1,2,4-Trichlorobenzene	100	0	76.5	77	38 107
4-Chloro-3-methylphenol	100	0	81.2	81	26 103
Acenaphthene	100	0	89.4	89	31-137
4-Nitrophenol	100	0	150	150 *	11-114
2,4-Dinitrotoluene	100	0	89.2	89	28- 89
Pentachlorophenol	100	46.3	94.9	49	17-109
Pyrene	100	0	97.6	98	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100	84.9	61	12	35	26- 90
2-Chlorophenol	100	84.2	84	8	50	25-102
1,4-Dichlorobenzene	100	78.9	79	6	27	28 104
N-Nitroso-di-n-prop.(1)	100	79.9	80	11	38	41 126
1,2,4-Trichlorobenzene	100	72.8	73	5	23	38 107
4-Chloro-3-methylphenol	100	78.9	79	3	33	26 103
Acenaphthene	100	91.2	91	-2	19	31-137
4-Nitrophenol	100	85.6	86	54 *	50	11-114
2,4-Dinitrotoluene	100	78.3	78	13	47	28- 89
Pentachlorophenol	100	81.2	35	33	47	17-109
Pyrene	100	110	110	-12	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 11 outside limits
Spike Recovery: 1 out of 22 outside limits

COMMENTS:

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: MAY02GK07 Lab Sample ID: D972237

Date Extracted: _____ Extraction:(SepF/Cont/Sonc) _____

Date Analyzed: 05/02/89 Time Analyzed: 2150

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: FINN

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	G101	D972183	MAY01GK04	05/01/89
02	G101	D972183	MAY01GK04T	05/01/89
03	G102	D972189	MAY02GK04	05/02/89
04	G102	D972189	MAY02GK04T	05/02/89
05	G103	D972188	MAY02GK06	05/02/89
06	G103	D972188	MAY02GK06T	05/02/89
07	G104	D972190	MAY02GK03	05/02/89
08	G104	D972190	MAY02GK03T	05/02/89
09	G501	D972184	MAY01GK07	05/01/89
10	G501	D972184	MAY01GK07T	05/01/89
11	G502	D972185	MAY01GK06	05/01/89
12	G502	D972185	MAY01GK06T	05/01/89
13	G503	D972191	MAY02GK05	05/02/89
14	G503	D972191	MAY02GK05T	05/02/89
15	G503MS	D972236	MAY10GK03	05/10/89
16	G503MSD	D972236R	MAY10GK04	05/10/89

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: JUN08GK03 Lab Sample ID: D972254

Date Extracted: _____ Extraction:(SepF/Cont/Sonc) _____

Date Analyzed: 06/08/89 Time Analyzed: 1815

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: FINN

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	X101	D972195	JUN08GK05	06/08/89
02	X101	D972195	JUN08GK05T	06/08/89
03	X102	D972194	JUN08GK04	06/08/89
04	X102	D972194	JUN08GK04T	06/08/89
05	X102MS	D972473	MAY23HK06	05/23/89
06	X102MSD	D972473R	MAY23HK07	05/23/89
07	X103	D972193	MAY16HK04	05/16/89
08	X103	D972193	MAY16HK04T	05/16/89

COMMENTS:

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: MAY01GK01 DFTPP Injection Date: 05/01/89

Instrument ID: FINN DFTPP Injection Time: 1714

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	42.4
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	40.0 - 60.0% of mass 198	57.5
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	29.6
365	Greater than 1.00% of mass 198	3.60
441	Present, but less than mass 443	16.2
442	Greater than 40.0% of mass 198	97.1
443	17.0 - 23.0% of mass 442	16.6 (17.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	050189STD	MAY01GK02	05/01/89	1803
02	G101	D972183	MAY01GK04	05/01/89	2014
03	G101	D972183	MAY01GK04T	05/01/89	2014
04	G502	D972185	MAY01GK06	05/01/89	2225
05	G502	D972185	MAY01GK06T	05/01/89	2225
06	G501	D972184	MAY01GK07	05/01/89	2330
07	G501	D972184	MAY01GK07T	05/01/89	2330

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: MAY02GK01 DFTPP Injection Date: 05/02/89

Instrument ID: FINN DFTPP Injection Time: 1625

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.9
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	58.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	8.3
275	10.0 - 30.0% of mass 198	27.5
365	Greater than 1.00% of mass 198	3.00
441	Present, but less than mass 443	14.6
442	Greater than 40.0% of mass 198	92.0
443	17.0 - 23.0% of mass 442	17.2 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	050289STD	MAY02GK02	05/02/89	1701
02	G104	D972190	MAY02GK03	05/02/89	1759
03	G104	D972190	MAY02GK03T	05/02/89	1759
04	G102	D972189	MAY02GK04	05/02/89	1856
05	G102	D972189	MAY02GK04T	05/02/89	1856
06	G503	D972191	MAY02GK05	05/02/89	1953
07	G503	D972191	MAY02GK05T	05/02/89	1953
08	G103	D972188	MAY02GK06	05/02/89	2052
09	G103	D972188	MAY02GK06T	05/02/89	2052
10	SBLKW	D972237	MAY02GK07	05/02/89	2150

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: MAY10GK01 DFTPP Injection Date: 05/10/89

Instrument ID: FINN DFTPP Injection Time: 1652

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.7
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	47.3
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	27.3
365	Greater than 1.00% of mass 198	3.00
441	Present, but less than mass 443	14.5
442	Greater than 40.0% of mass 198	97.6
443	17.0 - 23.0% of mass 442	16.6 (17.0)2

1-value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	G503MS	D972236	MAY10GK03	05/10/89	1833
02	G503MSD	D972236R	MAY10GK04	05/10/89	1943
03	SSTDMX	MATRIX_STD	MAY10GK06	05/10/89	2125

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: EPFLD Case No.: NORMIS SAS No.: _____ SDG No.: D97218

Lab File ID: MAY16HK01 DFTPP Injection Date: 05/16/89

Instrument ID: 4021 DFTPP Injection Time: 1630

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	51.0
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	40.0 - 60.0% of mass 198	49.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	23.1
365	Greater than 1.00% of mass 198	2.23
441	Present, but less than mass 443	10.1
442	Greater than 40.0% of mass 198	71.9
443	17.0 - 23.0% of mass 442	14.2 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	051689STD	MAY16HK02	05/16/89	1555
02	X103	D972193	MAY16HK04	05/16/89	1747
03	X103	D972193	MAY16HK04T	05/16/89	1747

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: MAY23HK01 DFTPP Injection Date: 05/23/89

Instrument ID: 4021 DFTPP Injection Time: 1629

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	52.7
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.8
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	23.8
365	Greater than 1.00% of mass 198	2.46
441	Present, but less than mass 443	10.9
442	Greater than 40.0% of mass 198	77.2
443	17.0 - 23.0% of mass 442	15.7 (20.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SETD50	052389STD	MAY23HK05	05/23/89	1952
02	X102MS	D972473	MAY23HK06	05/23/89	2037
03	X102MSD	D972473R	MAY23HK07	05/23/89	2122

5B

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID: JUN08GK01 DFTPP Injection Date: 06/08/89

Instrument ID: FINN DFTPP Injection Time: 2336

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	43.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.3
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	51.3
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	27.4
365	Greater than 1.00% of mass 198	3.40
441	Present, but less than mass 443	12.8
442	Greater than 40.0% of mass 198	89.6
443	17.0 - 23.0% of mass 442	15.4 (17.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	060889STD	JUN08GK02	06/08/89	1718
02	SBLKLS	D972254	JUN08GK03	06/08/89	1815
03	SBLKLS	D972254	JUN08GK03T	06/08/89	1815
04	X102	D972194	JUN08GK04	06/08/89	1919
05	X102	D972194	JUN08GK04T	06/08/89	1919
06	X101	D972195	JUN08GK05	06/08/89	2016
07	X101	D972195	JUN08GK05T	06/08/89	2016

5B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: 4021 Calibration Date(s): 03/20/89 03/20/89

Min RRF for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = MAR20G02 RRF50 = MAR20G05
RRF80 = MAR20G06 RRF120= MAR20G08 RRF160= MAR20HK02

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol *	1.121	1.064	1.070	1.106	0.950	1.062	6.3*
bis(2-Chloroethyl)Ether	1.004	0.953	0.932	0.863	0.824	0.915	7.9
2-Chlorophenol	0.882	0.920	0.834	0.828	0.715	0.836	9.2
1,3-Dichlorobenzene	1.011	0.922	0.873	0.777	0.695	0.856	14.4
1,4-Dichlorobenzene *	1.088	0.953	0.880	0.760	0.696	0.875	17.8*
Benzyl Alcohol	0.439	0.549	0.478	0.462	0.415	0.469	10.8
1,2-Dichlorobenzene	1.014	0.954	0.855	0.691	0.661	0.835	18.7
2-Methylphenol	0.755	0.759	0.704	0.613	0.548	0.676	13.7
bis(2-Chloroisopropyl)Ether	1.572	1.569	1.420	1.278	1.141	1.396	13.4
4-Methylphenol	0.721	0.765	0.653	0.595	0.511	0.649	15.5
N-Nitroso-Di-n-Propylamine #	0.671	0.665	0.594	0.373	0.472	0.555	23.3#
Hexachloroethane	0.345	0.326	0.298	0.248	0.243	0.292	15.6
Nitrobenzene	0.434	0.410	0.408	0.429	0.388	0.414	4.4
Isophorone	0.929	0.943	0.903	0.997	0.862	0.927	5.4
2-Nitrophenol *	0.219	0.287	0.260	0.268	0.252	0.257	9.7*
2,4-Dimethylphenol	0.341	0.374	0.346	0.363	0.325	0.350	5.5
Benzoic Acid		0.184	0.135	0.044	0.061	0.106	61.6
bis(2-Chloroethoxy)Methane	0.609	0.610	0.566	0.560	0.529	0.579	5.8
2,4-Dichlorophenol *	0.331	0.360	0.340	0.322	0.293	0.329	7.5*
1,2,4-Trichlorobenzene	0.405	0.392	0.356	0.305	0.302	0.352	13.6
Naphthalene	1.381	1.240	1.140	1.011	0.946	1.144	15.3
4-Chloroaniline	0.218	0.393	0.451	0.484	0.403	0.390	26.4
Hexachlorobutadiene *	0.175	0.174	0.159	0.138	0.134	0.156	12.4*
4-Chloro-3-Methylphenol *	0.310	0.371	0.337	0.369	0.308	0.339	9.0*
2-Methylnaphthalene	0.862	0.832	0.763	0.706	0.639	0.760	12.0
Hexachlorocyclopentadiene #	0.165	0.164	0.165	0.194	0.204	0.178	10.8#
2,4,6-Trichlorophenol *	0.428	0.502	0.427	0.367	0.356	0.416	14.1*
2,4,5-Trichlorophenol	0.417	0.482	0.455	0.375	0.369	0.420	13.5
2-Chloronaphthalene	1.667	1.547	1.380	1.166	1.110	1.374	17.4
2-Nitroaniline	0.342	0.463	0.430	0.456	0.386	0.434	8.0
Dimethyl Phthalate	1.716	1.655	1.563	1.363	1.338	1.527	11.2
Acenaphthylene	2.529	2.257	2.040	1.421	1.500	1.949	24.6
2,6-Dinitrotoluene	0.380	0.453	0.415	0.258	0.308	0.363	21.8
3-Nitroaniline	0.336	0.386	0.433	0.438	0.383	0.410	7.2
Acenaphthene *	1.531	1.375	1.240	1.045	0.951	1.228	19.3*
2,4-Dinitrophenol #		0.138	0.150	0.245	0.196	0.182	26.8#
4-Nitrophenol #		0.084	0.072	0.087	0.064	0.077	13.9#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: 4021 Calibration Date(s): 03/20/89 03/20/89

Min RRF for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = MAR20G02 RRF50 = MAR20G05
RRF80 = MAR20G06 RRF120= MAR20G08 RRF160= MAR20HK02

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Dibenzofuran	2.200	2.011	1.669	1.200	1.211	1.658	27.4
2,4-Dinitrotoluene	0.472	0.540	0.481	0.408	0.361	0.452	15.3
Diethylphthalate	1.630	1.487	1.466	1.143	1.192	1.384	15.0
4-Chlorophenyl-phenylether	0.696	0.677	0.564	0.401	0.396	0.547	26.4
Fluorene	1.660	1.476	1.303	0.950	0.934	1.265	25.3
4-Nitroaniline	0.235	0.338	0.328	0.356	0.273	0.324	11.0
4,6-Dinitro-2-Methylphenol	0.167	0.163	0.150	0.152	0.145	0.153	5.0
N-Nitrosodiphenylamine (1) *	0.383	0.309	0.402	0.371	0.377	0.368	9.6*
4-Bromophenyl-phenylether	0.232	0.240	0.215	0.165	0.180	0.206	15.9
Hexachlorobenzene	0.267	0.253	0.224	0.173	0.186	0.221	18.5
Pentachlorophenol *		0.103	0.147	0.141	0.138	0.132	15.0*
Phenanthrene	1.271	1.162	1.078	0.799	0.881	1.038	18.8
Anthracene	1.196	1.174	0.944	0.733	0.772	0.964	22.5
Di-n-Butylphthalate	1.384	1.496	1.217	1.002	0.980	1.216	18.8
Fluoranthene *	1.274	1.245	1.023	0.845	0.805	1.038	21.0*
Pyrene	1.306	1.290	1.030	0.842	0.817	1.057	22.2
Butylbenzylphthalate	0.911	0.898	0.850	0.774	0.769	0.840	8.0
3,3'-Dichlorobenzidine	0.299	0.196	0.496	0.453	0.487	0.386	34.4
Benzo(a)Anthracene	1.153	1.352	1.282	1.080	1.081	1.190	10.3
bis(2-Ethylhexyl)Phthalate	1.327	1.279	1.244	1.122	1.122	1.219	7.6
Chrysene	1.523	1.464	1.371	1.149	1.189	1.339	12.3
Di-n-Octyl Phthalate *	3.469	3.018	3.401	2.558	2.608	3.011	14.2*
Benzo(b)Fluoranthene	2.351	1.814	2.269	1.894	1.886	2.043	12.1
Benzo(k)Fluoranthene	2.114	1.665	1.873	1.894	1.454	1.800	13.9
Benzo(a)Pyrene *	2.071	1.693	2.093	1.581	1.760	1.840	12.5*
Indeno(1,2,3-cd)Pyrene	1.707	1.122	1.847	0.750	1.639	1.413	32.6
Dibenz(a,h)Anthracene	1.371	1.057	1.755	1.267	1.556	1.401	19.1
Benzo(g,h,i)Perylene	1.484	1.011	1.749	1.231	1.527	1.400	20.4
Nitrobenzene-d5	0.307	0.337	0.366	0.365	0.330	0.341	7.3
2-Fluorobiphenyl	1.334	1.239	1.401	1.290	1.310	1.315	4.5
Terphenyl-d14	1.007	0.807	0.991	0.899	1.109	0.963	11.9
Phenol-d5	1.211	1.103	1.111	0.998	1.109	1.106	6.8
2-Fluorophenyl	1.273	1.103	1.009	0.989	1.220	1.119	11.2
2,4,6-Tribromophenol	0.299	0.199	0.205	0.219	0.229	0.230	17.5

1) Cannot be separated from Diphenylamine

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration Date(s): 05/26/89 05/26/89

Min RRF for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = MAY26G03 RRF50 = MAY26G05
RRF80 = MAY26GK01 RRF120= MAY26GK02 RRF160= MAY26GK05

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol *	1.110	1.196	0.945	0.938	1.139	1.066	11.0*
bis(2-Chloroethyl)Ether	0.908	0.931	0.717	0.705	0.832	0.819	12.8
2-Chlorophenol	0.789	0.846	0.678	0.665	0.799	0.755	10.6
1,3-Dichlorobenzene	0.874	0.891	0.682	0.655	0.789	0.778	13.9
1,4-Dichlorobenzene *	0.919	0.927	0.714	0.680	0.816	0.811	14.0*
Benzyl Alcohol	0.504	0.605	0.513	0.536	0.628	0.557	10.1
1,2-Dichlorobenzene	0.834	0.845	0.657	0.636	0.755	0.745	13.0
2-Methylphenol	0.723	0.781	0.625	0.632	0.747	0.702	10.0
bis(2-Chloroisopropyl)Ether	1.319	1.373	1.089	1.073	1.252	1.221	11.1
4-Methylphenol	0.689	0.783	0.648	0.657	0.782	0.712	9.3
N-Nitroso-Di-n-Propylamine #	0.563	0.707	0.577	0.595	0.695	0.627	10.9#
Hexachloroethane	0.400	0.407	0.312	0.310	0.360	0.358	12.9
Nitrobenzene	0.425	0.469	0.377	0.396	0.535	0.440	14.4
Isophorone	0.675	0.808	0.666	0.714	0.973	0.767	16.7
2-Nitrophenol *	0.160	0.203	0.168	0.182	0.250	0.193	18.7*
2,4-Dimethylphenol	0.292	0.362	0.302	0.329	0.452	0.347	18.6
Benzoic Acid		0.072	0.098	0.110	0.144	0.106	28.2
bis(2-Chloroethoxy)Methane	0.466	0.532	0.436	0.458	0.633	0.505	15.8
2,4-Dichlorophenol *	0.227	0.283	0.242	0.264	0.367	0.277	19.8*
1,2,4-Trichlorobenzene	0.313	0.334	0.264	0.276	0.386	0.315	15.5
Naphthalene	1.054	1.117	0.857	0.896	1.195	1.024	14.1
4-Chloroaniline	0.241	0.340	0.315	0.355	0.494	0.349	26.4
Hexachlorobutadiene *	0.203	0.207	0.162	0.171	0.244	0.197	16.5*
4-Chloro-3-Methylphenol *	0.218	0.288	0.254	0.290	0.388	0.288	22.0*
2-Methylnaphthalene	0.629	0.691	0.528	0.564	0.752	0.633	14.4
Hexachlorocyclopentadiene #	0.263	0.328	0.240	0.280	0.386	0.299	19.5#
2,4,6-Trichlorophenol *	0.336	0.401	0.361	0.406	0.556	0.412	20.8*
2,4,5-Trichlorophenol	0.305	0.388	0.392	0.439	0.607	0.457	22.5
2-Chloronaphthalene	1.271	1.346	1.049	1.111	1.450	1.245	13.3
2-Nitroaniline	0.355	0.467	0.442	0.476	0.658	0.511	19.4
Dimethyl Phthalate	1.211	1.385	1.183	1.277	1.709	1.353	15.8
Acenaphthylene	1.884	2.018	1.576	1.619	2.130	1.845	13.2
2,6-Dinitrotoluene	0.251	0.319	0.282	0.305	0.435	0.318	22.0
3-Nitroaniline	0.[illegible]	0.310	0.282	0.314	0.482	0.347	26.3
Acenaphthene *	1.263	1.324	1.026	1.057	1.377	1.209	13.1*
2,4-Dinitrophenol #		0.092	0.069	0.097	0.106	0.091	17.3#
4-Nitrophenol #		0.121	0.109	0.132	0.119	0.120	7.9#

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration Date(s): 05/26/89 05/26/89

Min RRF for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = MAY26G03 RRF50 = MAY26G05
RRF80 = MAY26GK01 RRF120= MAY26GK02 RRF160= MAY26GK05

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Dibenzofuran	1.712	1.864	1.477	1.501	2.001	1.711	13.3
2,4-Dinitrotoluene	0.318	0.396	0.371	0.402	0.579	0.413	23.8
Diethylphthalate	1.267	1.410	1.255	1.310	1.887	1.426	18.6
4-Chlorophenyl-phenylether	0.706	0.755	0.629	0.646	0.912	0.730	15.6
Fluorene	1.329	1.414	1.190	1.179	1.641	1.351	14.1
4-Nitroaniline	0.112	0.268	0.228	0.262	0.402	0.290	26.5
4,6-Dinitro-2-Methylphenol		0.113	0.078	0.092	0.157	0.110	31.3
N-Nitrosodiphenylamine (1) *		0.343	0.361	0.319	0.368	0.278	5.4 *
4-Bromophenyl-phenylether	0.220	0.257	0.205	0.219	0.292	0.239	14.9
Hexachlorobenzene	0.246	0.278	0.214	0.227	0.312	0.255	15.6
Pentachlorophenol *		0.107	0.102	0.119	0.165	0.123	23.4*
Phenanthrene	1.042	1.107	0.872	0.858	1.090	0.994	12.1
Anthracene	1.037	1.091	0.878	0.878	1.112	0.999	11.4
Di-n-Butylphthalate	1.041	1.369	1.102	1.112	1.457	1.216	15.2
Fluoranthene *	0.798	1.149	0.900	0.909	1.160	0.983	16.5*
Pyrene	0.795	1.186	0.927	0.936	1.158	1.000	16.7
Butylbenzylphthalate	0.644	0.746	0.676	0.676	0.900	0.728	14.1
3,3'-Dichlorobenzidine		0.300	0.149	0.190	0.390	0.206	72.3
Benzo(a)Anthracene	0.999	1.218	0.952	0.981	1.305	1.091	14.6
bis(2-Ethylhexyl)Phthalate	0.854	0.972	0.893	0.911	1.247	0.975	16.2
Chrysene	0.979	1.269	1.014	1.042	1.404	1.142	16.3
Di-n-Octyl Phthalate *	2.524	3.116	4.606	4.394	5.049	3.938	27.1*
Benzo(b)Fluoranthene	1.212	1.591	1.436	1.483	1.891	1.523	16.3
Benzo(k)Fluoranthene	1.127	1.663	1.491	1.643	2.163	1.617	23.1
Benzo(a)Pyrene *	1.242	1.743	1.425	1.653	2.183	1.649	21.7*
Indeno(1,2,3-cd)Pyrene	1.053	1.053	0.262	0.414	0.813	0.719	50.8
Dibenz(a,h)Anthracene	0.795	0.834	0.248	0.398	0.829	0.621	44.7
Benzo(g,h,i)Perylene	1.011	1.061	0.238	0.413	0.722	0.689	52.5
Nitrobenzene-d5	0.416	0.486	0.428	0.421	0.416	0.433	6.9
2-Fluorobiphenyl	1.435	1.567	1.330	1.365	1.341	1.408	7.0
Terphenyl-d14	1.551	1.238	1.156	1.008	1.066	1.204	17.7
Phenol-d5	1.320	1.467	1.272	1.194	1.027	1.256	12.9
2-Fluorophenyl	1.431	1.569	1.274	1.166	0.982	1.284	17.8
2,4,6-Tribromophenol	0.361	0.441	0.433	0.425	0.475	0.427	9.7

(1) Cannot be separated from Diphenylamine

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration date: 05/01/89 Time: 1803

Lab File ID: MAY01GK02 Init. Calib. Date(s): 05/26/89 05/26/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Phenol	1.066	1.312	-23.1	*
bis(2-Chloroethyl)Ether	0.819	0.958	-17.0	
2-Chlorophenol	0.755	0.901	-19.3	
1,3-Dichlorobenzene	0.778	0.933	-19.9	
1,4-Dichlorobenzene	0.811	0.970	-19.6	*
Benzyl Alcohol	0.557	0.788	-41.5	
1,2-Dichlorobenzene	0.745	0.887	-19.1	
2-Methylphenol	0.702	0.837	-19.2	
bis(2-Chloroisopropyl)Ether	1.221	1.488	-21.9	
4-Methylphenol	0.712	0.868	-21.9	
N-Nitroso-Di-n-Propylamine	0.627	0.793	-26.5	#
Hexachloroethane	0.358	0.439	-22.6	
Nitrobenzene	0.440	0.582	-32.3	
Isophorone	0.767	0.966	-26.0	
2-Nitrophenol	0.193	0.239	-23.8	*
2,4-Dimethylphenol	0.347	0.441	-27.1	
Benzoic Acid	0.106	0.067	36.8	
bis(2-Chloroethoxy)Methane	0.505	0.620	-22.8	
2,4-Dichlorophenol	0.277	0.286	-3.2	*
1,2,4-Trichlorobenzene	0.315	0.402	-27.6	
Naphthalene	1.024	1.292	-26.2	
4-Chloroaniline	0.349	0.433	-24.1	
Hexachlorobutadiene	0.197	0.205	-4.1	*
4-Chloro-3-Methylphenol	0.288	0.290	-0.7	*
2-Methylnaphthalene	0.633	0.763	-20.5	
Hexachlorocyclopentadiene	0.299	0.303	-1.3	#
2,4,6-Trichlorophenol	0.412	0.497	-20.6	*
2,4,5-Trichlorophenol	0.426	0.508	-19.3	
2-Chloronaphthalene	1.245	1.460	-17.3	
2-Nitroaniline	0.480	0.559	-16.5	
Dimethyl Phthalate	1.353	1.435	-6.1	
Acenaphthylene	1.845	2.198	-19.1	
2,6-Dinitrotoluene	0.318	0.317	0.3	
3-Nitroaniline	0.317	0.278	12.3	
Acenaphthene	1.209	1.427	-18.0	*
2,4-Dinitrophenol	0.091	0.078	14.3	#
4-Nitrophenol	0.120	0.098	18.3	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97213

Instrument ID: FINN Calibration date: 05/01/89 Time: 1803

Lab File ID: MAY01GK02 Init. Calib. Date(s): 05/26/89 05/26/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.711	1.961	-14.6
2,4-Dinitrotoluene	0.413	0.333	19.4
Diethylphthalate	1.426	1.337	6.2
4-Chlorophenyl-phenylether	0.730	0.814	-11.5
Fluorene	1.351	1.508	-11.6
4-Nitroaniline	0.254	0.176	30.7
4,6-Dinitro-2-Methylphenol	0.110	0.078	29.1
N-Nitrosodiphenylamine (1) *	0.348	0.302	13.2 *
4-Bromophenyl-phenylether	0.239	0.308	-28.9
Hexachlorobenzene	0.255	0.309	-21.2
Pentachlorophenol *	0.123	0.152	-23.6 *
Phenanthrene	0.994	1.196	-20.3
Anthracene	0.999	1.197	-19.8
Di-n-Butylphthalate	1.216	1.176	3.3
Fluoranthene *	0.983	0.980	0.3 *
Pyrene	1.000	0.976	2.4
Butylbenzylphthalate	0.728	0.925	-27.1
3,3'-Dichlorobenzidine	0.257	0.266	-3.5
Benzo(a)Anthracene	1.091	1.323	-21.3
bis(2-Ethylhexyl)Phthalate	0.975	1.107	-13.5
Chrysene	1.142	1.396	-22.2
Di-n-Octyl Phthalate *	3.938	3.657	7.1 *
Benzo(b)Fluoranthene	1.523	1.045	31.4
Benzo(k)Fluoranthene	1.617	1.046	35.3
Benzo(a)Pyrene *	1.649	1.776	-7.7 *
Indeno(1,2,3-cd)Pyrene	0.719	0.568	21.0
Dibenz(a,h)Anthracene	0.621	0.537	13.5
Benzo(g,h,i)Perylene	0.689	0.208	69.8
Nitrobenzene-d5	0.433	0.571	-31.9
2-Fluorobiphenyl	1.408	1.711	-21.5
Terphenyl-d14	1.204	1.727	-43.4
Phenol-d5	1.256	1.515	-20.6
2-Fluorophenyl	1.284	1.494	-16.4
2,4,6-Tribromophenol	0.427	0.081	81.0

(1) Cannot be separated from Diphenylamine

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration date: 05/02/89 Time: 1701

Lab File ID: MAY02GK02 Init. Calib. Date(s): 05/26/89 05/26/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Phenol	1.066	1.299	-21.9	*
bis(2-Chloroethyl)Ether	0.819	0.939	-14.7	
2-Chlorophenol	0.755	0.880	-16.6	
1,3-Dichlorobenzene	0.778	0.897	-15.3	
1,4-Dichlorobenzene	0.811	0.942	-16.2	*
Benzyl Alcohol	0.557	0.797	-43.1	
1,2-Dichlorobenzene	0.745	0.869	-16.6	
2-Methylphenol	0.702	0.817	-16.4	
bis(2-Chloroisopropyl)Ether	1.221	1.560	-27.8	
4-Methylphenol	0.712	0.859	-20.7	
N-Nitroso-Di-n-Propylamine	0.627	0.833	-32.9	#
Hexachloroethane	0.358	0.431	-20.4	
Nitrobenzene	0.440	0.577	-31.1	
Isophorone	0.767	1.016	-32.5	
2-Nitrophenol	0.193	0.227	-17.6	*
2,4-Dimethylphenol	0.347	0.435	-25.4	
Benzoic Acid	0.106	0.115	-8.5	
bis(2-Chloroethoxy)Methane	0.505	0.624	-23.6	
2,4-Dichlorophenol	0.277	0.286	-3.2	*
1,2,4-Trichlorobenzene	0.315	0.392	-24.4	
Naphthalene	1.024	1.278	-24.8	
4-Chloroaniline	0.349	0.430	-23.2	
Hexachlorobutadiene	0.197	0.245	-24.4	*
4-Chloro-3-Methylphenol	0.288	0.275	4.5	*
2-Methylnaphthalene	0.633	0.802	-26.7	
Hexachlorocyclopentadiene	0.299	0.209	30.1	#
2,4,6-Trichlorophenol	0.412	0.492	-19.4	*
2,4,5-Trichlorophenol	0.426	0.506	-18.8	
2-Chloronaphthalene	1.245	1.393	-11.9	
2-Nitroaniline	0.480	0.590	-22.9	
Dimethyl Phthalate	1.353	1.574	-16.3	
Acenaphthylene	1.845	2.105	-14.1	
2,6-Dinitrotoluene	0.318	0.353	-11.0	
3-Nitroaniline	0.317	0.315	0.6	
Acenaphthene	1.209	1.431	-18.4	*
2,4-Dinitrophenol	0.091	0.065	28.6	#
4-Nitrophenol	0.120	0.165	-37.5	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration date: 05/02/89 Time: 1701

Lab File ID: MAY02GK02 Init. Calib. Date(s): 05/26/89 05/26/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.711	2.032	-18.8
2,4-Dinitrotoluene	0.413	0.441	-6.8
Diethylphthalate	1.426	1.656	-16.1
4-Chlorophenyl-phenylether	0.730	0.885	-21.2
Fluorene	1.351	1.654	-22.4
4-Nitroaniline	0.254	0.283	-11.4
4,6-Dinitro-2-Methylphenol	0.110	0.091	17.3
N-Nitrosodiphenylamine (1) *	0.348	0.300	13.8 *
4-Bromophenyl-phenylether	0.239	0.263	-10.0
Hexachlorobenzene	0.255	0.271	-6.3
Pentachlorophenol *	0.123	0.145	-17.9 *
Phenanthrene	0.994	1.207	-21.4
Anthracene	0.999	1.218	-21.9
Di-n-Butylphthalate	1.216	1.538	-26.5
Fluoranthene *	0.983	0.937	4.7 *
Pyrene	1.000	1.394	-39.4
Butylbenzylphthalate	0.728	0.875	-20.2
3,3'-Dichlorobenzidine	0.257	0.180	30.0
Benzo(a)Anthracene	1.091	1.353	-24.0
bis(2-Ethylhexyl)Phthalate	0.975	1.110	-13.9
Chrysene	1.142	1.408	-23.3
Di-n-Octyl Phthalate *	3.938	3.452	12.3 *
Benzo(b)Fluoranthene	1.523	1.317	13.5
Benzo(k)Fluoranthene	1.617	1.431	11.5
Benzo(a)Pyrene *	1.649	1.370	16.9 *
Indeno(1,2,3-cd)Pyrene	0.719	0.368	48.8
Dibenz(a,h)Anthracene	0.621	0.316	49.1
Benzo(g,h,i)Perylene	0.689	0.279	59.5
Nitrobenzene-d5	0.433	0.514	-18.7
2-Fluorobiphenyl	1.408	1.477	-4.9
Terphenyl-d14	1.204	1.116	7.3
Phenol-d5	1.256	1.388	-10.5
2-Fluorophenyl	1.284	1.364	-6.2
2,4,6-Tribromophenol	0.427	0.470	-10.1

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: 4021 Calibration date: 05/16/89 Time: 1555

Lab File ID: MAY16HK02 Init. Calib. Date(s): 03/20/89 03/20/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D	
Phenol	1.062	1.059	0.3	*
bis(2-Chloroethyl)Ether	0.915	1.101	-20.3	
2-Chlorophenol	0.836	0.767	8.3	
1,3-Dichlorobenzene	0.856	0.815	4.8	
1,4-Dichlorobenzene	0.875	0.870	0.6	*
Benzyl Alcohol	0.469	0.268	42.9	
1,2-Dichlorobenzene	0.835	0.804	3.7	
2-Methylphenol	0.676	0.800	-18.3	
bis(2-Chloroisopropyl)Ether	1.396	2.273	-62.8	
4-Methylphenol	0.649	0.635	2.2	
N-Nitroso-Di-n-Propylamine	0.555	0.812	-46.3	#
Hexachloroethane	0.292	0.340	-16.4	
Nitrobenzene	0.414	0.437	-5.6	
Isophorone	0.927	0.931	-0.4	
2-Nitrophenol	0.257	0.264	-2.7	*
2,4-Dimethylphenol	0.350	0.273	22.0	
Benzoic Acid	0.106	0.079	25.5	
bis(2-Chloroethoxy)Methane	0.579	0.580	-0.2	
2,4-Dichlorophenol	0.329	0.398	-21.0	*
1,2,4-Trichlorobenzene	0.352	0.260	26.1	
Naphthalene	1.144	1.109	3.1	
4-Chloroaniline	0.390	0.269	31.0	
Hexachlorobutadiene	0.156	0.119	23.7	*
4-Chloro-3-Methylphenol	0.339	0.264	22.1	*
2-Methylnaphthalene	0.760	0.718	5.5	
Hexachlorocyclopentadiene	0.178	0.134	24.7	#
2,4,6-Trichlorophenol	0.416	0.293	29.6	*
2,4,5-Trichlorophenol	0.420	0.299	28.8	
2-Chloronaphthalene	1.374	1.179	14.2	
2-Nitroaniline	0.434	0.414	4.6	
Dimethyl Phthalate	1.527	1.326	13.2	
Acenaphthylene	1.949	1.964	-0.8	
2,6-Dinitrotoluene	0.363	0.242	33.3	
3-Nitroaniline	0.410	0.160	61.0	
Acenaphthene	1.228	1.230	-0.2	*
2,4-Dinitrophenol	0.182	0.098	46.2	#
4-Nitrophenol	0.077	0.088	-14.3	#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: 4021 Calibration date: 05/16/89 Time: 1555

Lab File ID: MAY16HK02 Init. Calib. Date(s): 03/20/89 03/20/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.658	1.699	-2.5
2,4-Dinitrotoluene	0.452	0.293	35.2
Diethylphthalate	1.384	1.300	6.1
4-Chlorophenyl-phenylether	0.547	0.541	1.1
Fluorene	1.265	1.307	-3.3
4-Nitroaniline	0.324	0.296	8.6
4,6-Dinitro-2-Methylphenol	0.153	0.051	66.7
N-Nitrosodiphenylamine (1) *	0.368	0.300	18.5 *
4-Bromophenyl-phenylether	0.206	0.170	17.5
Hexachlorobenzene	0.221	0.199	10.0
Pentachlorophenol *	0.132	0.126	4.5 *
Phenanthrene	1.038	1.006	3.1
Anthracene	0.964	1.009	-4.7
Di-n-Butylphthalate	1.216	1.321	-8.6
Fluoranthene *	1.038	0.932	10.2 *
Pyrene	1.057	0.942	10.9
Butylbenzylphthalate	0.840	0.831	1.1
3,3'-Dichlorobenzidine	0.386	0.129	66.6
Benzo(a)Anthracene	1.190	1.282	-7.7
bis(2-Ethylhexyl)Phthalate	1.219	1.348	-10.6
Chrysene	1.339	1.126	15.9
Di-n-Octyl Phthalate *	3.011	3.098	-2.9 *
Benzo(b)Fluoranthene	2.043	1.431	30.0
Benzo(k)Fluoranthene	1.800	1.397	22.4
Benzo(a)Pyrene *	1.840	1.596	13.3 *
Indeno(1,2,3-cd)Pyrene	1.413	0.825	41.6
Dibenz(a,h)Anthracene	1.401	0.185	86.8
Benzo(g,h,i)Perylene	1.400	0.304	78.3
Nitrobenzene-d5	0.341	0.436	-27.9
2-Fluorobiphenyl	1.315	1.420	-8.0
Terphenyl-d14	0.963	1.272	-32.1
Phenol-d5	1.106	1.282	-15.9
2-Fluorophenyl	1.119	1.204	-7.6
2,4,6-Tribromophenol	0.230	0.261	-13.5

(1) Cannot be separated from Diphenylamine

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration date: 06/08/89 Time: 1718

Lab File ID: JUN08GK02 Init. Calib. Date(s): 05/26/89 05/26/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol *	1.066	1.222	-14.6 *
bis(2-Chloroethyl)Ether	0.819	0.884	-7.9
2-Chlorophenol	0.755	0.879	-16.4
1,3-Dichlorobenzene	0.778	0.900	-15.7
1,4-Dichlorobenzene *	0.811	0.941	-16.0 *
Benzyl Alcohol	0.557	0.744	-33.6
1,2-Dichlorobenzene	0.745	0.865	-16.1
2-Methylphenol	0.702	0.822	-17.1
bis(2-Chloroisopropyl)Ether	1.221	1.463	-19.8
4-Methylphenol	0.712	0.862	-21.1
N-Nitroso-Di-n-Propylamine #	0.627	0.806	-28.6 #
Hexachloroethane	0.358	0.425	-18.7
Nitrobenzene	0.440	0.504	-14.6
Isophorone	0.767	0.870	-13.4
2-Nitrophenol *	0.193	0.206	-6.7 *
2,4-Dimethylphenol	0.347	0.380	-9.5
Benzoic Acid	0.106	0.167	-57.6
bis(2-Chloroethoxy)Methane	0.505	0.529	-4.8
2,4-Dichlorophenol *	0.277	0.312	-12.6 *
1,2,4-Trichlorobenzene	0.315	0.346	-9.8
Naphthalene	1.024	1.118	-9.2
4-Chloroaniline	0.349	0.246	29.5
Hexachlorobutadiene *	0.197	0.229	-16.2 *
4-Chloro-3-Methylphenol *	0.288	0.352	-22.2 *
2-Methylnaphthalene	0.633	0.723	-14.2
Hexachlorocyclopentadiene #	0.299	0.143	52.2 #
2,4,6-Trichlorophenol *	0.412	0.461	-11.9 *
2,4,5-Trichlorophenol	0.426	0.472	-10.8
2-Chloronaphthalene	1.245	1.286	-3.3
2-Nitroaniline	0.480	0.556	-15.8
Dimethyl Phthalate	1.353	1.519	-12.3
Acenaphthylene	1.845	1.872	-1.5
2,6-Dinitrotoluene	0.318	0.342	-7.5
3-Nitroaniline	0.317	0.228	28.1
Acenaphthene *	1.209	1.320	-9.2 *
2,4-Dinitrophenol #	0.091	0.090	1.1 #
4-Nitrophenol #	0.120	0.163	-35.8 #

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Instrument ID: FINN Calibration date: 06/08/89 Time: 1718

Lab File ID: JUN08GK02 Init. Calib. Date(s): 05/26/89 05/26/89

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.711	1.933	-13.0
2,4-Dinitrotoluene	0.413	0.467	-13.1
Diethylphthalate	1.426	1.642	-15.2
4-Chlorophenyl-phenylether	0.730	0.874	-19.7
Fluorene	1.351	1.547	-14.5
4-Nitroaniline	0.254	0.130	48.8
4,6-Dinitro-2-Methylphenol	0.110	0.092	16.4
N-Nitrosodiphenylamine (1) *	0.348	0.301	13.5 *
4-Bromophenyl-phenylether	0.239	0.257	-7.5
Hexachlorobenzene	0.255	0.272	-6.7
Pentachlorophenol *	0.123	0.125	-1.6 *
Phenanthrene	0.994	1.076	-8.2
Anthracene	0.999	1.043	-4.4
Di-n-Butylphthalate	1.216	1.353	-11.3
Fluoranthene *	0.983	1.135	-15.5 *
Pyrene	1.000	1.163	-16.3
Butylbenzylphthalate	0.728	0.836	-14.8
3,3'-Dichlorobenzidine	0.257	0.069	73.2
Benzo(a)Anthracene	1.091	1.253	-14.9
bis(2-Ethylhexyl)Phthalate	0.975	1.194	-22.5
Chrysene	1.142	1.296	-13.5
Di-n-Octyl Phthalate *	3.938	5.745	-45.9 *
Benzo(b)Fluoranthene	1.523	1.849	-21.4
Benzo(k)Fluoranthene	1.617	1.904	-17.8
Benzo(a)Pyrene *	1.649	1.786	-8.3 *
Indeno(1,2,3-cd)Pyrene	0.719	0.529	26.4
Dibenz(a,h)Anthracene	0.621	0.509	18.0
Benzo(g,h,i)Perylene	0.689	0.447	35.1
Nitrobenzene-d5	0.433	0.534	-23.3
2-Fluorobiphenyl	1.408	1.548	-9.9
Terphenyl-d14	1.204	1.334	-10.8
Phenol-d5	1.256	1.551	-23.5
2-Fluorophenyl	1.284	1.618	-26.0
2,4,6-Tribromophenol	0.427	0.426	0.2

(1) Cannot be separated from Diphenylamine

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): MAY01GK02 Date Analyzed: 05/01/89

Instrument ID: FINN Time Analyzed: 1803

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	46600	11.04	86700	14.19	39800	18.72
UPPER LIMIT	93200		173400		79600	
LOWER LIMIT	23300		43350		19900	
EPA SAMPLE NO.						
01 G101	6380 *	11.05	12100 *	14.19	3230 *	18.72
02 G501	46800	11.02	98800	14.17	53100	18.70
03 G502	51200	11.07	106000	14.22	54100	18.75

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): MAY01GK02 Date Analyzed: 05/01/89

Instrument ID: FINN Time Analyzed: 1803

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	53000	22.50	20200	29.69	11300	36.76
	UPPER LIMIT	106000		40400		22600	
	LOWER LIMIT	26500		10100		5650	
	EPA SAMPLE NO.						
01	G101	6200 *	22.52	4360 *	29.71	*	
02	G501	98600	22.50	37600	29.67	17100	36.74
03	G502	98700	22.55	26900	29.72	11100	36.79

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): MAY02GK02 Date Analyzed: 05/02/89

Instrument ID: FINN Time Analyzed: 1701

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	44100	11.04	85200	14.20	44700	18.74
UPPER LIMIT	88200		170400		89400	
LOWER LIMIT	22050		42600		22350	
EPA SAMPLE NO.						
01 G102	37000	11.00	80800	14.17	42600	18.70
02 G103	50200	11.05	106000	14.20	54100	18.74
03 G104	42700	11.04	90200	14.19	47800	18.72
04 G503	51900	11.05	112000	14.20	56800	18.74
05 SBLKW	61900	11.05	134000	14.20	73100	18.74

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-1 1/87 Rev.

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: 097218

Lab File ID (Standard): MAY02GK02 Date Analyzed: 05/02/89

Instrument ID: FINN Time Analyzed: 1701

	IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
12 HOUR STD	82900	22.54	63300	29.71	28900	36.76
UPPER LIMIT	165800		126600		57800	
LOWER LIMIT	41450		31650		14450	
EPA SAMPLE NO.						
01 G102	81800	22.50	55500	29.67	30300	36.72
02 G103	85500	22.54	35000	29.71	21100	36.76
03 G104	80000	22.52	26600 *	29.69	13500 *	36.76
04 G503	102000	22.54	34500	29.71	12900 *	36.76
05 SBLKW	124000	22.54	35900	29.71	17600	36.74

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): MAY16HK02 Date Analyzed: 05/16/89

Instrument ID: 4021 Time Analyzed: 1555

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	4240	9.97	9730	13.89	4700	19.15
	UPPER LIMIT	8480		19460		9400	
	LOWER LIMIT	2120		4865		2350	
	EPA SAMPLE NO.						
01	X103	6880	9.84	18700	13.90	8500	19.15

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): MAY16HK02 Date Analyzed: 05/16/89

Instrument ID: 4021 Time Analyzed: 1555

	IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
12 HOUR STD	7360	22.30	3680	28.54	2670	34.51
UPPER LIMIT	14720		7360		5340	
LOWER LIMIT	3680		1840		1335	
EPA SAMPLE NO.						
01 X103	15100 *	22.29	8450 *	28.51	3780	34.26

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8B

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 135000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): JUN08GK02 Date Analyzed: 06/08/89

Instrument ID: FINN Time Analyzed: 1718

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	35600	11.02	77900	14.19	40500	18.72
	UPPER LIMIT	71200		155800		81000	
	LOWER LIMIT	17800		38950		20250	
	EPA SAMPLE NO.						
01	SBLKLS	28900	11.04	71900	14.20	68500	18.74
02	X101	42700	11.04	91200	14.19	46400	18.72
03	X102	37800	10.99	82200	14.14	45900	18.69

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8C

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: 1350000000

Lab Code: SPFLD Case No.: NOKMIS SAS No.: _____ SDG No.: D97218

Lab File ID (Standard): JUN08GK02 Date Analyzed: 06/08/89

Instrument ID: FINN Time Analyzed: 1718

	IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
12 HOUR STD	84000	22.52	57000	29.69	16900	36.71
UPPER LIMIT	168000		114000		33800	
LOWER LIMIT	42000		28500		8450	
EPA SAMPLE NO.						
01 SBLKLS	154000	22.54	89900	29.71	20700	36.72
02 X101	77400	22.50	35800	29.67	15200	36.71
03 X102	90800	22.47	56700	29.66	21100	36.67

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972183

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D972183

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/3/89

GPC Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972184

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D972184

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. — dec. — Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

GPC Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972185

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D972185

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. — dec. — Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

GPC Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
3321-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972188

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D972188

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. — dec. — Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

GPC Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972189

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D972189

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972190

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D972190

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. – dec. – Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	J
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972191

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: D972191

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

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. - dec. - Date Extracted: 4/14/89

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260		

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972193

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D972193

Sample wt/vol: 30.49 (g/mL) g Lab File ID: _____

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. 23% dec. - Date Extracted: 4/17/89

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 5/4/89

GPC Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	210	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972194

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D972194

Sample wt/vol: 30.84 (g/mL) g Lab File ID: _____

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. 36% dec. - Date Extracted: 4/17/89

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 5/4/89

GPC Cleanup: (Y/N) 6 pH: N Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	12	U
319-85-7	beta-BHC	12	U
319-86-8	delta-BHC	12	U
58-89-9	gamma-BHC (Lindane)	12	U
76-44-8	Heptachlor	12	U
309-00-2	Aldrin	12	U
1024-57-3	Heptachlor epoxide	12	U
959-98-8	Endosulfan I	12	U
60-57-1	Dieldrin	25	U
72-55-9	4,4'-DDE	25	U
72-20-8	Endrin	25	U
33213-65-9	Endosulfan II	25	U
72-54-8	4,4'-DDD	25	U
1031-07-8	Endosulfan sulfate	25	U
50-29-3	4,4'-DDT	25	U
72-43-5	Methoxychlor	120	U
53494-70-5	Endrin ketone	25	U
5103-71-9	alpha-Chlordane	120	U
5103-74-2	gamma-Chlordane	120	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	120	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	120	U
53469-21-9	Aroclor-1242	120	U
12672-29-6	Aroclor-1248	120	U
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	250	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972195

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D972195

Sample wt/vol: 30.67 (g/mL) g Lab File ID: _____

Level: (low/med) LOW Date Received: 4/13/89

% Moisture: not dec. 22% dec. – Date Extracted: 4/17/89

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 5/4/89

GPC Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	10	U
319-85-7	beta-BHC	10	U
319-86-8	delta-BHC	10	U
58-89-9	gamma-BHC (Lindane)	10	U
76-44-8	Heptachlor	10	U
309-00-2	Aldrin	10	U
1024-57-3	Heptachlor epoxide	10	U
959-98-8	Endosulfan I	10	U
60-57-1	Dieldrin	21	U
72-55-9	4,4'-DDE	21	U
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	21	U
1031-07-8	Endosulfan sulfate	21	U
50-29-3	4,4'-DDT	21	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	210	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	2100	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	210	U
11096-82-5	Aroclor-1260	210	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972235BL

Name: SPRINGFIELD IEPA Contract: _____

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

ix: (soil/water) WATER Lab Sample ID: D972235BL

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

l: (low/med) LOW Date Received: —

oisture: not dec. — dec. — Date Extracted: 4/14/89

raction: (SepF/Cont/Sonc) SepF Date Analyzed: 5/4/89

Cleanup: (Y/N) N pH: 6 Dilution Factor: 1

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.5	U
5103-74-2	gamma-Chlordane	0.5	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D972472BL

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D972472BL

Sample wt/vol: 30 (g/mL) g Lab File ID: _____

Level: (low/med) LOW Date Received: —

% Moisture: not dec. — dec. — Date Extracted: 4/4/89

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 5/4/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.0	U
72-55-9	4,4'-DDE	16.0	U
72-20-8	Endrin	16.0	U
33213-65-9	Endosulfan II	16.0	U
72-54-8	4,4'-DDD	16.0	U
1031-07-8	Endosulfan sulfate	16.0	U
50-29-3	4,4'-DDT	16.0	U
72-43-5	Methoxychlor	80.0	U
53494-70-5	Endrin ketone	16.0	U
5103-71-9	alpha-Chlordane	80.0	U
5103-74-2	gamma-Chlordane	80.0	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	80.0	U
11104-28-2	Aroclor-1221	80.0	U
11141-16-5	Aroclor-1232	80.0	U
53469-21-9	Aroclor-1242	80.0	U
12672-29-6	Aroclor-1248	80.0	U
11097-69-1	Aroclor-1254	160.0	U
11096-82-5	Aroclor-1260	160.0	U

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	72183	100%	
02	72184	102%	
03	72185	66%	
04	72188	91%	
05	72189	35%	
06	72190	99%	
07	72191	106%	
08	72234 MS	105%	
09	72234 MSD	106%	
10	72235 MSBL	82%	
11			
12			
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27			
28			
29			
30			

ADVISORY QC LIMITS (24-154)

S1 (DBC) = Dibutylchlorendate

Column used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

FORM II PEST-1

1/87 Rev.

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (DBC) #	OTHER
01	D972193	113%	
02	D972194	117%	
03	D972195	138%	
04	D972471MS	117%	
05	D972471MSD	117%	
06	D972472BL	125%	
07			
08			
09			
10			
11			
12			
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30			

ADVISORY QC LIMITS (20-150)

S1 (DBC) = Dibutylchlorendate

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogates diluted out

FORM II PEST-2 1/87 Rev.

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix Spike - EPA Sample No.: D972191

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	.2	.146	-	73%	56-123
Heptachlor	.2	.147	-	74%	40-131
Aldrin	.2	.168	-	84%	40-120
Dieldrin	.5	.40	-	80%	52-126
Endrin	.5	.46	-	92%	56-121
4,4'-DDT	.5	.48	-	96%	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	.2	.172	86%	16%	15	56-123
Heptachlor	.2	.190	95%	25%	20	40-131
Aldrin	.2	.209	104%	21%	22	40-120
Dieldrin	.5	.474	95%	17%	18	52-126
Endrin	.5	.533	106%	14%	21	56-121
4,4'-DDT	.5	.54	108%	12%	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Matrix Spike - EPA Sample No.: D972194 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Lindane (γ BHC)	26.6	–	27.3	103%	46-127
Heptachlor	26.6	–	29.7	112%	35-130
Aldrin	26.6	–	27.3	103%	34-132
Dieldrin	66.6	–	71.3	107%	31-134
Endrin	66.6	–	77	116%	42-139
4,4' DDT	66.6	–	76	114%	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lindane (γ BHC)	26.6	27.8	105%	2%	50	46-127
Heptachlor	26.6	29.5	111%	.45%	31	35-130
Aldrin	26.6	27.5	103%	0%	43	34-132
Dieldrin	66.6	73	110%	2.7%	38	31-134
Endrin	66.6	80	120%	3.4%	45	42-139
4,4' DDT	66.6	81	122%	6.7%	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Lab Sample ID: D972235 Lab File ID: _____

Matrix: (soil/water) WATER Level: (low/med) LOW

Date Extracted: 4/14/89 Extraction: (SepF/Cont/Sonc) SepF

Date Analyzed (1): 5/4/89 Date Analyzed (2): 6/12/89

Time Analyzed (1): 2:51 Time Analyzed (2): 13:55

Instrument ID (1): V6A Instrument ID (2): V9B

GC Column ID (1): DB-608 GC Column ID (2): DB-5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	D972183	D972183	5/3/89	6/12/89
02	D972184	D972184	5/3/89	6/12/89
03	D972185	D972185	5/3/89	6/12/89
04	D972188	D972188	5/3/89	6/12/89
05	D972189	D972189	5/3/89	6/12/89
06	D972190	D972190	5/4/89	6/12/89
07	D972191	D972191	5/4/89	6/12/89
08	D972234MS	D972234MS	5/4/89	—
09	D972234MSD	D972234MSD	5/4/89	—
10				
11				
12				
13				
14				
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19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM IV PEST 1/87 Rev.

4C
PESTICIDE METHOD BLANK SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Lab Sample ID: D972474 Lab File ID: _____

Matrix:(soil/water) SOIL Level:(low/med) LOW

Date Extracted: 4/17/89 Extraction: (SepF/Cont/Sonc) Sonc

Date Analyzed (1): 5/4/89 Date Analyzed (2): 6/12/89

Time Analyzed (1): _____ Time Analyzed (2): _____

Instrument ID (1): V6A Instrument ID (2): V9B

GC Column ID (1): DB-608 GC Column ID (2): DB-5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	D972193	D972193	5/4/89	6/12/89
02	D972194	D972194	5/4/89	6/12/89
03	D972195	D972195	5/4/89	6/12/89
04	D972473MS	D972473 MS	5/4/89	—
05	D972473MSD	D972473MSD	5/4/89	—
06				
07				
08				
09				
10				
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26				

COMMENTS: _____

PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: SPRINGFIELD Contract: _____

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

Instrument ID: V6A GC Column ID: DB-608

Dates of Analyses: 5/3/89 to 5/4/89

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD (</= 10.0%)	
ALDRIN	2750	2900	3067	5.5%	
ENDRIN	1053	1133	1173	5.5%	
4,4'-DDT	593	627	653	4.8%	(1)
DBC	400	433	440	5.0%	

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown (percent breakdown expressed as total degradation)

		DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
	INITIAL					
01	EVAL MIX B	5/3/89	11:32 AM	1.2%	3.5%	
02	EVAL MIX B	5/3/89	9:22 PM	1.2%	2.5%	
03	EVAL MIX B	5/4/89	7:45 AM	1.2%	2.0%	
04	EVAL MIX B					
05	EVAL MIX B					
06	EVAL MIX B					
07	EVAL MIX B					
08	EVAL MIX B					
09	EVAL MIX B					
10	EVAL MIX B					
11	EVAL MIX B					
12	EVAL MIX B					
13	EVAL MIX B					
14	EVAL MIX B					

(2) See Form instructions.

PESTICIDE EVALUATION STANDARDS SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: V9B GC Column ID: DB-5

Dates of Analyses: 06/15/89 to 06/16/89

Evaluation Check for Linearity

PESTICIDE	CALIBRATION FACTOR EVAL MIX A	CALIBRATION FACTOR EVAL MIX B	CALIBRATION FACTOR EVAL MIX C	%RSD (</= 10.0%)
ALDRIN	1457066	1,382,400	1720733	9.5%
ENDRIN	762207	722,760	881893	8.6%
4,4'-DDT	425770	406,593	521107	11% (1)
DBC	245696	223,797	297640	12%

(1) If > 10.0% RSD, plot a standard curve and determine the ng for each sample in that set from the curve.

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

		DATE ANALYZED	TIME ANALYZED	ENDRIN	4,4'-DDT	COMBINED (2)
	INITIAL					
01	EVAL MIX B	6/15/89	15:17	<1%	<1%	
02	EVAL MIX B	6/15/89	20:56	<1%	<1%	
03	EVAL MIX B	6/15/89	4:36	<1%	<1%	
04	EVAL MIX B					
05	EVAL MIX B					
06	EVAL MIX B					
07	EVAL MIX B					
08	EVAL MIX B					
09	EVAL MIX B					
10	EVAL MIX B					
11	EVAL MIX B					
12	EVAL MIX B					
13	EVAL MIX B					
14	EVAL MIX B					

(2) See Form instructions.

8E

PESTICIDE EVALUATION STANDARDS SUMMARY

Evaluation of Retention Time Shift for Dibutylchlorendate

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: VGA GC Column ID: DB-608

Dates of Analyses: 5/3/89 to 5/4/89

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	% D	*
01	EVALA	EVALA	5/3/89	10:51	0%	
02	EVALB	EVALB	5/3/89	11:32	.2%	
03	EVALC	EVALC	5/3/89	12:13	.23%	
04	INDA	INDA	5/3/89	12:55	.2%	
05	INDB	INDB	5/3/89	13:36	.01%	
06	TOXAPH	TOXAPH	5/3/89	14:58	.02%	
07	AR1660	AR1660	5/3/89	15:40	.19%	
08	AR1221	AR1221	5/3/89	16:22	.25%	
09	AR1232	AR1232	5/3/89	17:04	.23%	
10	AR1242	AR1242	5/3/89	17:46	.2%	
11	AR1248	AR1248	5/3/89	18:28	.31%	
12	AR1254	AR1254	5/3/89	19:10	.22%	
13	D972183	72183	5/3/89	19:52	.52%	
14	72184	72184	5/3/89	20:34	.39%	
15	72185	72185	5/3/89	21:16	.40%	
16	72188	72188	5/3/89	21:58	.59%	
17	72189	72189	5/3/89	22:40	.49%	
18	EVALB	EVALB	5/3/89	23:22	.60%	
19	72190	72190	5/4/89	00:03	.42%	
20	72191	72191	5/4/89	00:45	.58%	
21	72234MS	72234MS	5/4/89	1:27	.43%	
22	72234MSD	72234MSD	5/4/89	2:09	.60%	
23	72235BL	72235BL	5/4/89	2:51	.66%	
24	INDA	INDA	5/4/89	3:33	.55%	
25	72193	72193	5/4/89	4:15	.35%	
26	72194	72194	5/4/89	4:57	.35%	
27	72195	72195	5/4/89	5:39	.46%	
28	72471MS	72471MS	5/4/89	6:21	.44%	
29	72471MSD	72471MSD	5/4/89	7:03	.37%	
30	EVALB	EVALB	5/4/89	7:45	.51%	
31	72472BL	72472BL	5/4/89	8:27	.15%	
32	INDA	INDA	5/4/89	9:09	.39%	
33	INDB	INDB	5/4/89	9:51	.48%	
34						
35						
36						
37						
38						

* Values outside of QC limits (2.0% for packed columns, 0.3% for capillary columns)

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: V6A GC Column ID: DB-608

DATE(S) OF ANALYSIS FROM: 5/3/89 TO: 5/4/89
TIME(S) OF ANALYSIS FROM: 10:45 am TO: 9:51 am

DATE OF ANALYSIS 5/4/89
TIME OF ANALYSIS 3:33 am
EPA SAMPLE NO. (STANDARD) Std A mixed

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	2.806	2.776	2.836	5400				
beta-BHC	3.510	3.480	3.540	1150				
delta-BHC	4.354	4.384	4.324	3700				
gamma-BHC	3.453	3.423	3.456	4667	3.441	4700	N	0.71
Heptaclor	4.166	4.124	4.205	3233	4.154	3267	N	1.05
Aldrin	5.052	5.004	5.100	2750	5.037	3100	N	12.7
Hept. epoxide	6.924	6.867	6.951	2033	6.906	2000	N	1.62
Endosulfan I	8.550	8.469	8.631	1600	8.533	1633	N	2.06
Dieldrin	10.304	10.217	10.391	1567	10.276	1583	N	1.02
4,4'-DDE	9.824	9.770	9.878	1450				
Endrin	12.890	12.818	12.962	1053				
Endosulfan II	14.484	14.370	14.598	900	14.450	900	N	0.0
4,4'-DDD	14.182	14.116	14.248	787				
Endo.sulfate	19.462	19.326	19.596	583				
4,4'-DDT	17.273	17.144	17.402	593	17.148	675	N	13.8
Methoxychlor	32.831	32.650	33.005	162	32.710	170	N	4.94
Endrin ketone	31.463	31.319	31.607	500				
a. Chlordane	8.391	8.331	8.415	1733				
g. Chlordane	7.610	7.562	7.648	1850				
Toxaphene	14.756	14.648	14.864	23.15				
Aroclor-1016	4.106	4.076	4.136	107.26				
Aroclor-1221	2.432	2.402	2.462	215.08				
Aroclor-1232	2.721	2.691	2.751	55.16				
Aroclor-1242	4.109	4.076	4.142	105.26				
Aroclor-1248	4.104	4.071	4.137	71.60				
Aroclor-1254	10.849	10.723	10.975	81.90				
Aroclor-1260	12.831	12.753	12.909	58.82				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: V6A GC Column ID: DB-608

DATE(S) OF ANALYSIS FROM: 5/3/89 TO: 5/4/89
TIME(S) OF ANALYSIS FROM: 10:45 am TO: 9:51 AM

DATE OF ANALYSIS 5/4/89
TIME OF ANALYSIS 9.09 am
EPA SAMPLE NO. (STANDARD) Std A mixed

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	2.806	2.776	2.836	5400				
beta-BHC	3.510	3.480	3.540	1150				
delta-BHC	4.354	4.354	4.324	3700				
gamma-BHC	3.453	3.423	3.456	4667	3.441	4733	Y	1.41
Heptaclor	4.166	4.174	4.205	3233	4.152	3333	Y	3.09
Aldrin	5.052	5.004	5.100	2750	5.031	3067	Y	11.5
Hept. epoxide	6.924	6.867	6.951	2033	6.894	2033	Y	0.0
Endosulfan I	8.550	8.469	8.631	1600	8.513	1633	Y	2.06
Dieldrin	10.304	10.217	10.391	1567	10.269	1600	Y	2.11
4,4'-DDE	9.824	9.776	9.878	1450				
Endrin	12.890	12.818	12.962	1053				
Endosulfan II	14.484	14.376	14.598	900	14.432	900	Y	0.0
4,4'-DDD	14.182	14.116	14.249	787				
Endo.sulfate	19.462	19.326	19.596	583				
4,4'-DDT	17.273	17.144	17.402	593	17.196	675	Y	13.8
Methoxychlor	32.831	32.650	33.005	162	32.650	166	Y	2.47
Endrin ketone	31.463	31.319	31.607	500				
a. Chlordane	8.391	8.331	8.415	1733				
g. Chlordane	7.616	7.562	7.648	1850				
Toxaphene	14.756	14.648	14.864	23.15				
Aroclor-1016	4.106	4.076	4.136	107.26				
Aroclor-1221	2.432	2.402	2.462	215.08				
Aroclor-1232	2.721	2.691	2.751	55.16				
Aroclor-1242	4.109	4.076	4.142	105.26				
Aroclor-1248	4.104	4.071	4.137	71.60				
Aroclor-1254	10.549	10.723	10.975	81.90				
Aroclor-1260	12.831	12.753	12.909	58.82				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: SPRNGFIELD IEPA Contract: _____

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

Instrument ID: VGA GC Column ID: DB-608

DATE(S) OF ANALYSIS FROM: 5/3/89 TO: 5/4/89
TIME(S) OF ANALYSIS FROM: 10:45 am TO: 9:51 AM

DATE OF ANALYSIS 5/4/89
TIME OF ANALYSIS 9:51 am
EPA SAMPLE NO. (STANDARD) Std B mixed

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	2.806	2.776	2.836	5400	2.790	5500	Y	1.85
beta-BHC	3.516	3.480	3.540	1150	3.491	1167	Y	1.48
delta-BHC	4.354	4.384	4.324	3700	4.332	3833	Y	3.59
gamma-BHC	3.453	3.423	3.456	4667				
Heptaclor	4.166	4.124	4.205	3233				
Aldrin	5.052	5.004	5.100	2750	5.024	3033	Y	10.3
Hept. epoxide	6.924	6.867	6.951	2033				
Endosulfan I	8.550	8.469	8.631	1600				
Dieldrin	10.304	10.217	10.391	1567				
4,4'-DDE	9.824	9.772	9.878	1450	9.784	1483	Y	2.28
Endrin	12.890	12.818	12.962	1053	12.841	1127	Y	7.00
Endosulfan II	14.484	14.370	14.598	900				
4,4'-DDD	14.182	14.116	14.248	787	14.111	807	Y	2.50
Endo.sulfate	19.462	19.326	19.596	583	19.415	600	Y	2.92
4,4'-DDT	17.273	17.144	17.402	593				
Methoxychlor	32.831	32.657	33.005	162				
Endrin ketone	31.463	31.319	31.607	500	31.322	500	Y	00
a. Chlordane	8.391	8.331	8.415	1733	8.340	1767	Y	1.96
g. Chlordane	7.616	7.562	7.648	1850	7.571	1900	Y	2.70
Toxaphene	14.756	14.648	14.864	23.15				
Aroclor-1016	4.106	4.076	4.136	107.26				
Aroclor-1221	2.432	2.402	2.462	215.08				
Aroclor-1232	2.721	2.691	2.751	55.16				
Aroclor-1242	4.109	4.076	4.142	105.26				
Aroclor-1248	4.104	4.071	4.137	71.60				
Aroclor-1254	10.549	10.123	10.975	81.90				
Aroclor-1260	12.831	12.753	12.909	58.82				

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: V9B GC Column ID: DB-5

CONFIRMATION

DATE(S) OF ANALYSIS	FROM: 6/13/89	DATE OF ANALYSIS	6/16/89
	TO: 6/16/89	TIME OF ANALYSIS	00:46
TIME(S) OF ANALYSIS	FROM: 14:39	EPA SAMPLE NO. (STANDARD)	INDA
	TO: 7:47		

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	1.748	1.718	1.778	2706667				
beta-BHC	1.929	1.899	1.959	572650				
delta-BHC	2.193	2.163	2.223	1967933				
gamma-BHC	2.012	1.982	2.042	1759633	2.017	2491900	N	42%
Heptaclor	2.914	2.882	2.946	1549167	2.867	2049633	N	32%
Aldrin	3.430	3.397	3.463	1457067	3.434	1822133	N	25%
Hept. epoxide	4.180	4.150	4.210	1173267	4.158	1397433	N	19%
Endosulfan I	5.079	5.046	5.112	1016400	5.056	1,115,200	N	9.7%
Dieldrin	5.833	5.792	5.874	1019750	5.811	1097317	N	7.6%
4,4'-DDE	5.609	5.565	5.653	894733				
Endrin	6.509	6.458	6.560	762207				
Endosulfan II	6.857	6.815	6.899	679383	6.840	720,150	N	6%
4,4'-DDD	7.138	7.082	7.194	472167				
Endo.sulfate	9.009	8.941	9.077	441683				
4,4'-DDT	8.979	8.913	9.045	425770	8.958	525,533	N	23%
Methoxychlor	12.846	12.759	12.933	165108	12.821	175352	N	6.2%
Endrin ketone	11.232	11.144	11.320	442483				
a. Chlordane	5.083	5.044	5.122	1040367				
g. Chlordane	4.683	4.653	4.713	1075933				
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: V9B GC Column ID: DB-5

CONFIRMATION

DATE(S) OF ANALYSIS	FROM: 6/15/89 TO: 6/16/89	DATE OF ANALYSIS	6/16/89
TIME(S) OF ANALYSIS	FROM: 14:39 TO: 7:47	TIME OF ANALYSIS	7:09
		EPA SAMPLE NO. (STANDARD)	INDA

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	1.748	1.718	1.778	2706667				
beta-BHC	1.929	1.899	1.959	572650				
delta-BHC	2.193	2.163	2.223	1967933				
gamma-BHC	2.012	1.982	2.042	1759633	2.014	2380900	N	35%
Heptaclor	2.914	2.882	2.946	1549167	2.863	1873500	N	21%
Aldrin	3.430	3.397	3.463	1457067	3.431	1661233	N	14%
Hept. epoxide	4.180	4.150	4.210	1173267	4.155	1256433	N	7%
Endosulfan I	5.079	5.046	5.112	1016400	5.056	1035400	N	1.8%
Dieldrin	5.833	5.792	5.874	1019750	5.812	1018867	N	4%
4,4'-DDE	5.609	5.565	5.653	894733				
Endrin	6.509	6.458	6.560	763207				
Endosulfan II	6.857	6.815	6.899	679383	6.840	671583	N	1.1%
,4'-DDD	7.138	7.082	7.194	472167				
Endo. sulfate	9.009	8.941	9.077	441683				
4,4'-DDT	8.979	8.913	9.045	425770	8.959	487267	N	14%
Methoxychlor	12.896	12.759	12.933	165108	12.828	161286	Y	2.3%
Endrin ketone	11.232	11.144	11.320	442483				
a. Chlordane	5.083	5.044	5.122	1040367				
g. Chlordane	4.683	4.653	4.713	1075933				
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition

PESTICIDE/PCB STANDARDS SUMMARY

Lab Name: SPRINGFIELD IEPA Contract: _____

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

Instrument ID: V9B GC Column ID: DB-5

CONFIRMATION

DATE(S) OF ANALYSIS	FROM: 6/15/89	DATE OF ANALYSIS	6/16/89
	TO: 6/16/89	TIME OF ANALYSIS	7:47
TIME(S) OF ANALYSIS	FROM: 14:39	EPA SAMPLE NO. (STANDARD)	INDB
	TO: 7:47		

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	RT	CALIBRATION FACTOR	QNT Y/N	%D
alpha-BHC	1.748	1.718	1.778	2706667	1.754	2633100	N	2.7%
beta-BHC	1.929	1.899	1.959	572650	1.935	552450	N	3.5%
delta-BHC	2.193	2.163	2.223	1967933	2.199	1881933	N	4.4%
gamma-BHC	2.012	1.982	2.042	1759633				
Heptaclor	2.914	2.882	2.946	1549167				
Aldrin	3.430	3.397	3.463	1457067	3.427	1620900	N	11%
Hept. epoxide	4.180	4.150	4.210	1173267				
Endosulfan I	5.079	5.046	5.112	1016400				
Dieldrin	5.833	5.792	5.874	1019750				
4,4'-DDE	5.609	5.565	5.653	894733	5.625	826250	N	2.2%
Endrin	6.509	6.458	6.560	762207	6.530	738153	N	3.2%
Endosulfan II	6.857	6.815	6.899	679383				
,4'-DDD	7.138	7.082	7.194	472167	7.160	463573	N	1.8%
Endo.sulfate	9.009	8.941	9.077	441683	8.690	416666	N	5.6%
4,4'-DDT	8.979	8.913	9.045	425778				
Methoxychlor	12.846	12.759	12.933	165108				
Endrin ketone	11.232	11.144	11.320	442483	11.264	415550	N	6.1%
a. Chlordane	5.083	5.044	5.122	1040367	5.098	1008700	N	3%
g. Chlordane	4.683	4.653	4.713	1075933	4.698	1062800	N	1.2%
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								

Under QNT Y/N: enter Y if quantitation was performed, N if not performed. %D must be less than or equal to 15.0% for quantitation, and less than or equal to 20.0% for confirmation.

Note: Determining that no compounds were found above the CRQL is a form of quantitation, and therefore at least one column must meet the 15.0% criteria.

For multicomponent analytes, the single largest peak that is characteristic of the component should be used to establish retention time and %D. Identification of such analytes is based primarily on pattern recognition

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972183

-b Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V98

nstrument ID (1): VAR 6A Instrument ID (2): DB-5

ab Sample ID: 72183

ab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 4,4'-DDT	Column 1	17.249	17.144	17.402	N	N
02	Column 2	—	8.913	9.045	N	N
03	Column 1					
04	Column 2					
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

omments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972184

-b Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V9B

nstrument ID (1): Var 6A Instrument ID (2): DB-5

ab Sample ID: 72184

ab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Dieldrin	Column 1	10.331	10.217	10.391	N	N
02	Column 2	—	5.792	5.874	N	N
03	Column 1					
04	Column 2					
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

omments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972188

-b Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V98

nstrument ID (1): Var. 6A Instrument ID (2): DB-5

ab Sample ID: 72188

ab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Dieldrin	Column 1	10.376	10.217	10.391	N	N
02	Column 2	—	5.792	5.874	N	N
03 Endosulfan II	Column 1	14.376	14.376	14.598	N	N
04	Column 2	—	6.815	6.899	N	N
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

omments: _____

Page __ of __

FORM X PEST 1/87 Rev.

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972189

Lab Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V9B

Instrument ID (1): Var. 6A Instrument ID (2): DB-5

Lab Sample ID: 72189

Lab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 4,4'-DDT	Column 1	17.195	17.144	17.402	N	N
02	Column 2	—	8.913	9.045	N	N
03	Column 1					
04	Column 2					
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

Comments: _____

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972190

Lab Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V9B

Instrument ID (1): Var. 6A Instrument ID (2): DB-5

Lab Sample ID: 72190

Lab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Dieldrin	Column 1	10.363	10.717	10.391	N	N
02	Column 2	5.861	5.792	5.874	N	N
03 4,4'-DDT	Column 1	17.158	17.144	17.402	N	N
04	Column 2	—	8.913	9.045	N	N
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

Comments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972191

-b Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V9B

nstrument ID (1): Var. 6A Instrument ID (2): DB-5

ab Sample ID: 72191

ab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 gamma-BHC	Column 1	3.446	3.420	3.486	_	N
02	Column 2	—	1.982	2.042	_	N
03	Column 1				_	_
04	Column 2				_	_
05	Column 1				_	_
06	Column 2				_	_
07	Column 1				_	_
08	Column 2				_	_
09	Column 1				_	_
10	Column 2				_	_
11	Column 1				_	_
12	Column 2				_	_

omments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972193

-b Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V9B

nstrument ID (1): Var. 6A Instrument ID (2): DB-5

ab Sample ID: 72193

ab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Dieldrin	Column 1	10.358	10.217	10.391	N	N
02	Column 2	—	5.792	5.874	N	N
03 Methoxychlor	Column 1	32.668	32.650	33.005	N	N
04	Column 2	12.895	12.759	12.933	N	N
05	Column 1				-	-
06	Column 2				-	-
07	Column 1				-	-
08	Column 2				-	-
09	Column 1				-	-
10	Column 2				-	-
11	Column 1				-	-
12	Column 2				-	-

omments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972194

-b Name: _____ Contract: _____

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

GC Column ID (1): DB-608 GC Column ID (2): V9B

nstrument ID (1): Var 6A Instrument ID (2): DB-5

ab Sample ID: 72194

ab File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Dieldrin	Column 1	10.325	10.217	10.391	N	N
02	Column 2	—	5.792	5.874	N	N
03	Column 1					
04	Column 2					
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

omments: _____

10

PESTICIDE/PCB IDENTIFICATION

EPA SAMPLE NO.

D972195

ame: _____ Contract: _____

:ode: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

olumn ID (1): DB-608 GC Column ID (2): V9B

crument ID (1): Var. 6A Instrument ID (2): DB-5

Sample ID: 72195

b File ID: _____ (only if confirmed by GC/MS)

PESTICIDE/PCB	RETENTION TIME		RT WINDOW OF STANDARD FROM	TO	QUANT? (Y/N)	GC/MS? (Y/N)
01 Dieldrin	Column 1	10.377	10.217	10.391	N	N
02	Column 2	—	5.792	5.874	N	N
03	Column 1					
04	Column 2					
05	Column 1					
06	Column 2					
07	Column 1					
08	Column 2					
09	Column 1					
10	Column 2					
11	Column 1					
12	Column 2					

omments: _____

U.S. EPA - CLP

Received June 26, 1989

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6
MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

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

EPA Sample No.	Lab Sample ID.
G101	B904886
G102	B904887
G103	B904888
G502	B904889
G104	B904890
G105	B904891
X101	B904892
X103	B904893
X102	B904894
G503	B904901

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IEPA LABORATORIES
Manager's Office

Were ICP interelement corrections applied? Yes/No ___

Were ICP background corrections applied? Yes/No ___
If yes-were raw data generated before application of background corrections? Yes/No ___

Comments:

Release of the data contained in this hardcopy data package ~~and in the computer-readable data submitted on floppy diskette~~ has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: Ray Frazier

Date: 6/19/89

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: 3904886

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1027			P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	2	B	S	F
7440-39-3	Barium	178	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	738000			P
7440-47-3	Chromium	42.7			P
7440-48-4	Cobalt	14.5	B		P
7440-50-8	Copper	7.4	B		P
7439-89-6	Iron	3306			P
7439-92-1	Lead	1	B	S	F
7439-95-4	Magnesium	150700			P
7439-96-5	Manganese	8281			P
7439-97-6	Mercury	0.1	B	N	AV
7440-02-0	Nickel	29	B		P
7440-09-7	Potassium	1730000			P
7782-49-2	Selenium	1.2	U	E,+	F
7440-22-4	Silver	5	B		P
7440-23-5	Sodium	135600			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	4.3	B		P
7440-66-6	Zinc	16.2	B		P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	461000			AS

Color Before: Colorless Clarity Before: Cloudy Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO: G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B90488

Level (low/med): _____ Date Received: 4/4/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	253			P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	2	B		F
7440-39-3	Barium	77	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	218800			P
7440-47-3	Chromium	11.8	B		P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	1.7	U		P
7439-89-6	Iron	782			P
7439-92-1	Lead	1	B		F
7439-95-4	Magnesium	42400			P
7439-96-5	Manganese	2960			P
7439-97-6	Mercury	0.23		N	AV
7440-02-0	Nickel	7.9	B		P
7440-09-7	Potassium	166500			P
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	44680			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	22.5			P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	227000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

B904888

EPA SAMPLE NO

G103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904888

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26140			P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	14		S	F
7440-39-3	Barium	282			P
7440-41-7	Beryllium	2	B		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	57710			P
7440-47-3	Chromium	61.2			P
7440-48-4	Cobalt	14.3	B		P
7440-50-8	Copper	139			P
7439-89-6	Iron	21360			P
7439-92-1	Lead	65			F
7439-95-4	Magnesium	25510			P
7439-96-5	Manganese	611			P
7439-97-6	Mercury	0.16	B	N	AV
7440-02-0	Nickel	34.9	B		P
7440-09-7	Potassium	2570	B		P
7782-49-2	Selenium	1.2	U	S	F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	99470			P
7440-28-0	Thallium	0.9	U		F
7440-62-2	Vanadium	97			P
7440-66-6	Zinc	400			P
	Cyanide	10	U		AS
	Sulfide	36000*			T
	Sulfate	151000			AS

Color Before: Brown Clarity Before: Cloudy Texture: _____

Color After: Brown Clarity After: Cloudy Artifacts: _____

Comments:

Sulfide SW846 Methodology

Sulfate IEPA Methodology

* Can not be confirmed as Sulfide. Suspect some sort of interference

FORM I - IN

7/87

Rev. IFB Amendment One

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904891

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	1.2	U	S	F
7440-39-3	Barium	23.3	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	130100			P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	147			P
7439-89-6	Iron	668			P
7439-92-1	Lead	3	B		F
7439-95-4	Magnesium	52680			P
7439-96-5	Manganese	14.9	B		P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	4.3	U		P
7440-09-7	Potassium	1309	B		P
7782-49-2	Selenium	2	B		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	67770			P
7440-28-0	Thallium	0.9	U		F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	334			P
	Cyanide	10	U		AS
	Sulfide	1000	U		I
	Sulfate	293000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology

Sulfate IEPA Methodology

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

501 G105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B90489

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	93.4	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	1.2	U	S	F
7440-39-3	Barium	104	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	41400			P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	3546			P
7439-92-1	Lead	0.8	U		F
7439-95-4	Magnesium	42220			P
7439-96-5	Manganese	964			P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	7.9	B		P
7440-09-7	Potassium	84670			P
7782-49-2	Selenium	1.2	U	S	F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	81260			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	11	U		P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	206000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: G502

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904889

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	131	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	2	B		F
7440-39-3	Barium	170	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	136500			P
7440-47-3	Chromium	9.8	B		P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	4067			P
7439-92-1	Lead	1	B		F
7439-95-4	Magnesium	40470			P
7439-96-5	Manganese	689			P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	4.3	U		P
7440-09-7	Potassium	4694	B		P
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	52430			P
7440-28-0	Thallium	0.9	U		F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	11	U		P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	184000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO: G503

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

MONTGOMERY CO# 1350000000

Matrix (soil/water): _____ Lab Sample ID: B904901

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	114	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	1.2	U	S	F
7440-39-3	Barium	161	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	191600			P
7440-47-3	Chromium	13.3			P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	1.7	U		P
7439-89-6	Iron	5593			P
7439-92-1	Lead	1	B		F
7439-95-4	Magnesium	49860			P
7439-96-5	Manganese	1326			P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	8.7			P
7440-09-7	Potassium	56940			P
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	75410			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	12.9	B		P
	Cyanide	10	U		AS
	Sulfide	31000 *			T
	Sulfate	302000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

*Can not be confirmed as Sulfide. Suspect some sort of interference

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

B904892
EPA SAMPLE NO

X 101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904892

Level (low/med): _____ Date Received: 4/14/89

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10390			P
7440-36-0	Antimony	0.43	U	N	F
7440-38-2	Arsenic	3.15		S*	F
7440-39-3	Barium	184			P
7440-41-7	Beryllium	0.86			P
7440-43-9	Cadmium	0.25	U		P
7440-70-2	Calcium	3860		E	P
7440-47-3	Chromium	13.5	B		P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	11.4			P
7439-89-6	Iron	12710			P
7439-92-1	Lead	11. ~~14.2~~		*	P
7439-95-4	Magnesium	1707			P
7439-96-5	Manganese	280 ~~285~~			P
7439-97-6	Mercury	0.01	U	N	AV
7440-02-0	Nickel	8.4 ~~7.8~~	B		P
7440-09-7	Potassium	705 ~~724~~	B		P
7782-49-2	Selenium	0.45	B		F
7440-22-4	Silver	0.47	U	N	P
7440-23-5	Sodium	394 ~~194~~	B		P
7440-28-0	Thallium	0.18	U		F
7440-62-2	Vanadium	23			P
7440-66-6	Zinc	43 ~~42~~			P
	Cyanide	0.48	U		AS

Color Before: Black Clarity Before: Opaque Texture: Course

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: X 102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904894

Level (low/med): _____ Date Received: 4/14/89

% Solids: 70.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19730			P
7440-36-0	Antimony	0.40	U	N	F
7440-38-2	Arsenic	2.91		S*	F
7440-39-3	Barium	170			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	2898		E	P
7440-47-3	Chromium	22.3			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	15.1			P
7439-89-6	Iron	21760			P
7439-92-1	Lead	1.6 ~~7.8~~ sm		*	P
7439-95-4	Magnesium	2895			P
7439-96-5	Manganese	110. ~~120~~			P
7439-97-6	Mercury	0.01	U	N	AV
7440-02-0	Nickel	11.6 ~~10.6~~ sm			P
7440-09-7	Potassium	2040 ~~2089~~			P
7782-49-2	Selenium	0.42			F
7440-22-4	Silver	0.44	U	N	P
7440-23-5	Sodium	267	B		P
7440-28-0	Thallium	0.17	U		F
7440-62-2	Vanadium	37			P
7440-66-6	Zinc	53 ~~51.6~~ sm			P
	Cyanide	0.44	U		AS

Color Before: Brown Clarity Before: Opaque Texture: Course

Color After: Light Green Clarity After: Clear Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO: X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904893

Level (low/med): _____ Date Received: 4/14/89

% Solids: 77.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11090			P
7440-36-0	Antimony	0.36	U	N	F
7440-38-2	Arsenic	3.08		S,*	F
7440-39-3	Barium	215			P
7440-41-7	Beryllium	0.88			P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	3923		E	P
7440-47-3	Chromium	14			P
7440-48-4	Cobalt	4	B		P
7440-50-8	Copper	13			P
7439-89-6	Iron	15720			P
7439-92-1	Lead	~~12.5~~		*	P
7439-95-4	Magnesium	1790			P
7439-96-5	Manganese	~~657~~			P
7439-97-6	Mercury	0.01	U	N	AV
7440-02-0	Nickel	~~10.8~~			P
7440-09-7	Potassium	~~768~~			P
7782-49-2	Selenium	0.51	B		F
7440-22-4	Silver	0.39	U	N	P
7440-23-5	Sodium	35	B		P
7440-28-0	Thallium	0.15	U		F
7440-62-2	Vanadium	25.5			P
7440-66-6	Zinc	~~43.9~~			P
	Cyanide	0.64	U		AS

Color Before: Black Clarity Before: Opaque Texture: Course

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

:ial Calibration Source: Inorganic Ventures

:inuing Calibration Source: Inorganic Ventures

ide ICV & CCV Source USEPA

Concentration Units: ug/L WATER PAGE 1

ılyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 1	Continuing Calibration %R(1)	Continuing Calibration Found 2	Continuing Calibration %R(1)	M
ıminum	10000	9891	99	10000	10030	100	10030	100	P
:imony	25	27	108	25	27	108	26	104	F
ɜenic	40	39	98	40	39	98	38	95	F
:ium	10000	9163	92	10000	9184	92	9110	91	P
:yllium	250	256	102	250	256	102	254	102	P
imium	500	515	103	500	517	103	510	102	P
lcium	25000	24200	97	25000	24300	97	23700	95	P
:omium	1000	997	100	1000	1002	100	990	99	P
ɔalt	2500	2406	96	2500	2413	96	2388	96	P
ɔper	1250	1185	95	1250	1185	95	1175	94	P
ɔn	5000	4976	100	5000	4991	100	4949	99	P
ad	20	20	100	20	20	100	20	100	F
gnesium	25000	25030	100	25000	25020	100	24660	99	P
nganese	2500	2640	106	2500	2654	106	2617	105	P
rcury	1.4	1.3	93	1.4	1.3	93	1.2	86	AV
:kel	2500	2405	96	2500	2420	97	2393	96	P
tassium	25000	23070	92	25000	22830	91	22610	90	P
lenium	10	9	90	10	10	100	9	90	F
lver	250	249	100	250	252	101	249	100	P
dium	25000	24420	98	25000	25520	102	24350	97	P
allium	50	49	98	50	49	98	53	106	F
nadium	2500	2392	96	2500	2403	96	2383	95	P
nc	2500	2463	98	2500	2474	99	2450	98	P
anide	100	104	104	100	90	96	93	93	AS
lfide	10000	10000	100						T
lfate	105000	104000	101	105000	102600	98	105900	101	AS

Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L WATER PAGE 2

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 3	Continuing Calibration %R(1)	Continuing Calibration Found 4	Continuing Calibration %R(1)	M
Aluminum					10150	102	10190	102	
Antimony					26	104	25	100	
Arsenic					40	100	42	105	
Barium					9274	93	9349	93	
Beryllium					259	104	260	104	
Cadmium					517	103	518	104	
Calcium					23900	96	24300	97	
Chromium					1003	100	1006	101	
Cobalt					2418	97	2421	97	
Copper					1196	96	1210	97	
Iron					5012	100	5018	100	
Lead					20	100	20	100	
Magnesium					24850	99	25060	100	
Manganese					2656	106	2658	106	
Mercury									
Nickel					2424	97	2427	97	
Potassium					22710	91	23270	93	
Selenium					9	90	9	90	
Silver					250	100	253	101	
Sodium					24770	99	25100	100	
Thallium					53	106	52	104	
Vanadium					2422	97	2429	97	
Zinc					2469	99	2479	99	
Cyanide									
Sulfide									
Sulfate									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

WATER PAGE 3

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 5	Continuing Calibration %R(1)	Continuing Calibration Found 6	Continuing Calibration %R(1)	M
Aluminum					10130	101			
Antimony									
Arsenic									
Barium					9358	94			
Beryllium					259	104			
Cadmium					522	104			
Calcium					24600	98			
Chromium					1013	101			
Cobalt					2438	98			
Copper					1215	97			
Iron					5037	101			
Lead					20	100			
Magnesium					25510	102			
Manganese					2669	107			
Mercury									
Nickel					2436	97			
Potassium					24300	97			
Selenium									
Silver					255	102			
Sodium					24980	100			
Thallium									
Vanadium					2428	97			
Zinc					2490	100			
Cyanide									
Sulfide									
Sulfate									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: _____

Concentration Units: ug/L

SOIL PAGE 1

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 1	Continuing Calibration %R(1)	Continuing Calibration Found 2	Continuing Calibration %R(1)	M
Aluminum	10000	10410	104	10000	10130	101	10060	101	P
Antimony	20	20	100	20	20	100	21	105	F
Arsenic	30	28	93	30	33	110	32	107	F
Barium	10000	10430	104	10000	10050	100	9929	99	P
Beryllium	250	263	105	250	256	102	254	102	P
Cadmium	500	531	106	500	528	106	524	105	P
Calcium	25000	24350	97	25000	24890	100	24600	98	P
Chromium	1000	1025	102	1000	1013	101	1007	101	P
Cobalt	2500	2507	100	2500	2479	99	2459	98	P
Copper	1250	1240	99	1250	1201	96	1187	95	P
Iron	5000	5107	102	5000	5717	114	4959	99	P
Lead	1000	1040	104	1000	1033	103	1025	102	P
Magnesium	25000	25530	102	25000	25480	102	25110	100	P
Manganese	2500	2739	110	2500	2708	108	2677	107	P
Mercury	*								
Nickel	2500	2518	101	2500	2487	99	2465	99	P
Potassium	25000	24630	98	25000	24110	96	24080	96	P
Selenium	15	16	107	15	15	100	16	107	F
Silver	250	237	95	250	234	94	234	94	P
Sodium	25000	25770	103	25000	24780	99	24590	98	P
Thallium	20	19	95	20	19	95	19	95	F
Vanadium	2500	2461	98	2500	2406	96	2390	96	P
Zinc	2500	2609	104	2500	2603	104	2584	103	P
Cyanide	*								

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

* SEE WATER

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

SOIL PAGE 3

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 5	Continuing Calibration %R(1)	Continuing Calibration Found 6	Continuing Calibration %R(1)	M
Aluminum					10340	103	10270	103	
Antimony									
Arsenic					33	110			
Barium					10140	101	9994	100	
Beryllium					261	104	258	103	
Cadmium					537	107	531	106	
Calcium					25080	100	25610	102	
Chromium					1034	103	1021	102	
Cobalt					2525	101	2498	100	
Copper					1215	97	1198	96	
Iron					5075	102	5030	101	
Lead					1066	107	1029	103	
Magnesium					25670	103	25230	101	
Manganese					2747	110	2717	109	
Mercury									
Nickel					2532	101	2507	100	
Potassium					23780	95	23800	95	
Selenium									
Silver					239	96	236	94	
Sodium					25140	100	24930	100	
Thallium									
Vanadium					2459	98	2436	97	
Zinc					2635	105	2618	105	
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

SOIL PAGE 2

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 3	Continuing Calibration %R(1)	Continuing Calibration Found 4	Continuing Calibration %R(1)	M
Aluminum					10160	102	10340	103	
Antimony					20	100	20	100	
Arsenic					31	103	33	110	
Barium					10110	101	10110	101	
Beryllium					258	103	260	104	
Cadmium					535	107	531	106	
Calcium					25160	101	24710	99	
Chromium					1028	103	1022	102	
Cobalt					2509	100	2502	100	
Copper					1211	97	1208	97	
Iron					5018	100	5100	102	
Lead					1046	105	1049	105	
Magnesium					25690	103	25360	101	
Manganese					2731	109	2724	109	
Mercury									
Nickel					2520	101	2510	100	
Potassium					24360	97	23890	96	
Selenium					16	107	16	107	
Silver					238	95	236	94	
Sodium					24950	100	25180	101	
Thallium					18	90			
Vanadium					2434	97	2437	97	
Zinc					2624	105	2620	105	
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

AA CRDL Standard Source: INORGANIC VENTURES

ICP CRDL Standard Source: INORGANIC VENTURES

Concentration Units: ug/L WATER

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum	------	------		------	------		------	
Antimony	20	18	90	------	------		------	
Arsenic	20	21	105	------	------		------	
Barium	------	------		------	------			
Beryllium	------	------		10	10.8	108	10.4	104
* Cadmium	------	------						
Calcium	------	------		------	------		------	
Chromium	------	------		20	18.5	92	21.4	107
Cobalt	------	------		100	97.8	98	96.8	97
Copper	------	------		50	51.2	102	53.4	107
Iron	------	------		------	------		------	
Lead	10	11	110					
Magnesium	------	------		------	------		------	
Manganese	------	------		30	30.2	101	27.6	92
Mercury	0.4	0.44	110	------				
Nickel	------	------		80	77.9	97	83	104
Potassium	------	------		------	------		------	
Selenium	10	10	100					
Silver	------	------		20	20	100	22	110
Sodium	------	------		------	------		------	
Thallium	20	19	95					
Vanadium	------	------		100	96.6	97	96	96
Zinc	------	------		40	39.7	99	37.6	94

* INADVERTENTLY OMITTED FROM CRI STANDARD

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

AA CRDL Standard Source: INORGANIC VENTURES

ICP CRDL Standard Source: INORGANIC VENTURES

Concentration Units: ug/L SOIL

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum				------	------		------	
Antimony	20	22	110	------	------		------	
Arsenic	20	21	105	------	------		------	
Barium				------	------		------	
Beryllium				10	11.6	116	11.0	110
* Cadmium								
Calcium				------	------		------	
Chromium				20	20.7	104	21.5	108
Cobalt				100	100.5	100	98.4	98
Copper				50	51.5	103	49.4	99
Iron				------	------		------	
Lead				------	------		------	
Magnesium				------	------		------	
Manganese				30	32.4	108	27.1	90
Mercury	0.4	0.398	100	------	------		------	
Nickel				80	79.7	100	79.5	99
Potassium				------	------		------	
Selenium	10	11	110	------	------		------	
Silver				20	20.3	101	21.5	108
Sodium				------	------			
Thallium	20	19	95	------	------			
Vanadium				100	100	100	98.2	98
Zinc				40	44.9	112	43.1	108

* INADVERTENTY OMITTED FROM CRI STANDARD

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

WATER PAGE 1

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	78	U	78	U	78	U	78	U	78	U	P
Antimony	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	F
Arsenic	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	F
Barium	3.8	B	1.6	U	1.6	U	6.6	B	1.6	U	P
Beryllium	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	P
Cadmium	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	P
Calcium	137	U	137	U	137	U	137	U	137	U	P
Chromium	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	P
Cobalt	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	P
Copper	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	P
Iron	37	U	37	U	37	U	37	U	37	U	P
Lead	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	F
Magnesium	92	U	92	U	92	U	92	U	92	U	P
Manganese	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	P
Mercury	0.11	B	0.05	U	0.05	U			0.05	U	AV
Nickel	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	P
Potassium	422	B	260	U	260	U	260	U	343	B	P
Selenium	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	F
Silver	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U	P
Sodium	57	U	57	U	5.7	U	57	U	57	U	P
Thallium	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	F
Vanadium	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	P
Zinc	11	U	11	U	11	U	11	U	11	U	P
Cyanide	10	U	10	U	10	U			12	U	
Sulfide	1000	U									
Sulfate	10000	U	10000	U							

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

WATER PAGE 2

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 4	C	5	C	6	C	Prepa-ration Blank	C	M
Aluminum			78	U	78	U					
Antimony			2.1	U							
Arsenic			1.2	U							
Barium			1.6	U	1.6	U					
Beryllium			0.6	U	0.6	U					
Cadmium			1.2	U	1.2	U					
Calcium			194	B	137	U					
Chromium			3.0	U	3.0	U					
Cobalt			1.7	U	1.7	U					
Copper			1.7	U	1.7	U					
Iron			37	U	37	U					
Lead			0.8	U	0.8	U					
Magnesium			92	U	92	U					
Manganese			1.2	U	1.2	U					
Mercury											
Nickel			4.3	U	5.9	B					
Potassium			260	U	722	B					
Selenium			1.2	U							
Silver			2.3	U	2.3	U					
Sodium			57	U	57	U					
Thallium			0.1	U							
Vanadium			1.8	U	1.8	U					
Zinc			11	U	11	U					
Cyanide											

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

SOIL PAGE 1

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	LM
Aluminum	78	U	78	U	78	U	78	U	15.6	U	P
Antimony	2.1	U	2.1	U	2.1	U	2.1	U	0.42	U	F
Arsenic	1.2	U	1.2	U	1.2	U	1.2	U	0.24	U	F
Barium	5.5	B	3.9	B	1.6	U	1.6	U	0.32	U	P
Beryllium	0.6	U	0.6	U	0.6	U	0.6	U	0.12	U	P
Cadmium	1.2	U	2.9	B	1.2	U	1.2	U	0.8	B	P
Calcium	137	U	137	U	137	U	137	U	27.4	U	P
Chromium	3.0	U	5.9	B	3.0	U	3.0	U	1.7	B	P
Cobalt	1.7	U	6	B	1.7	U	1.7	U	1.7	B	P
Copper	1.7	U	4.6	B	1.7	U	1.7	U	1.2	B	P
Iron	37	U	32	U	37	U	37	U	20.6	B	P
Lead	0.8	U	0.8	U	0.8	U	0.8	U	0.11	U	F
Magnesium	92	U	92	U	92	U	92	U	18.4	U	P
Manganese	1.9	B	1.3	B	1.2	U	1.2	U	0.3	B	P
Mercury											AV
Nickel	4.3	U	9.8	B	4.3	U	4.3	U	2.8	B	P
Potassium	260	U	779	B	260	U	407	B	303	B	P
Selenium	1.2	U	1.2	U	1.2	U	1.2	U	0.24	U	F
Silver	2.3	U	4.1	B	2.3	U	2.3	U	1.6	B	P
Sodium	57	U	112	B	57	U	57	U	55	B	P
Thallium	0.9	U	0.9	U	0.9	U	0.9	U	0.18	U	F
Vanadium	1.8	U	5	B	1.8	U	1.8	U	1.3	B	P
Zinc	11	U	11	U	11	U	11	U	2.2	U	P
Cyanide											

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

SOIL PAGE 2

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) ~~1~~ 4	C	~~2~~ 5	C	~~3~~ 6	C	Preparation Blank	C	M
Aluminum			78	U	78	U	78	U			
Antimony			2.1	U							
Arsenic			1.2	U	1.2	U					
Barium			11	B	1.6	U	1.7	B			
Beryllium			0.6	U	0.6	U	0.6	U			
Cadmium			1.2	U	1.2	U	1.2	U			
Calcium			137	U	137	U	137	U			
Chromium			3.0	U	3.0	U	3.0	U			
Cobalt			2	B	1.7	U	1.7	U			
Copper			1.7	U	1.7	U	1.7	U			
Iron			85	B	37	U	37	U			
Lead			0.8	U	15	B	0.8	U			
Magnesium			92	U	92	U	92	U			
Manganese			5	B	1.2	U	1.2	U			
Mercury											
Nickel			4.3	U	4.3	U	4.3	U			
Potassium			260	U	260	U	260	U			
Selenium			1.2	U							
Silver			2.3	U	2.3	U	2.3	U			
Sodium			57	U	57	U	57	U			
Thallium											
Vanadium			1.8	U	1.8	U	1.8	U			
Zinc			11	U	11	U	11	U			
Cyanide											

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO #1350000000

Lab Code: _____ Case No: _____

SAS No.: _____ SDG No.: 4

ICP ID Number: 1

ICS Source: INORGANIC VENTURES

Concentration Units: ug/L WATER

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	468800	490000	98	493400	492600	98
Antimony	------	------						
Arsenic	------	------						
Barium	------	500	4.6	452	90	-8	444	89
Beryllium	------	500	0.64	439	88	-1	440	88
Cadmium	------	1000	4.0	830	83	3	834	83
Calcium	500000	500000	466600	472200	94	464700	467400	93
Chromium	------	500	73	506	101	74	514	103
Cobalt	------	500	1.9	430	86	0.2	436	87
Copper	------	500	------	447	89	-16	447	89
Iron	200000	200000	182500	183500	92	183400	183300	92
* Lead	------	1000	------	874	87	0	887	89
Magnesium	500000	500000	442700	448100	90	434500	441900	88
Manganese	------	500	49.5	481	96	31	481	96
Mercury	------	------						
Nickel	------	1000	4.9	844	84	2.3	849	85
Potassium	------	------						
Selenium	------	------						
Silver	------	1000	1.8	911	91	2.6	922	92
Sodium	------	------						
Thallium	------	------						
Vanadium	------	500	77	528	106	77	532	106
Zinc	------	1000	3	866	87	-0.2	876	88

* INADVERTENTLY OMITTED FROM CRI STANDARD

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO #1350000000

Lab Code: _____ Case No: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

ICS Source: INORGANIC VENTURES

Concentration Units: ug/L SOIL

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	500800	502400	100	499000	500200	100
Antimony	------	------						
Arsenic	------	------						
Barium	------	500	2.4	482	96	0.5	470	94
Beryllium	------	500	-0.9	481	96	-1	477	95
Cadmium	------	1000	1.6	899	90	2.2	912	91
Calcium	500000	500000	505000	509700	102	513700	523000	105
Chromium	------	500	72	535	107	72	540	108
Cobalt	------	500	-1.2	458	92	-2	463	93
Copper	------	500	-18	477	95	-19	470	94
Iron	200000	200000	199800	200600	100	198400	199800	100
Lead	------	1000	0	941	94	0	954	95
Magnesium	500000	500000	501400	506400	101	517400	529400	106
Manganese	------	500	31	510	102	30	511	102
Mercury	------	------						
Nickel	------	1000	-7.8	894	89	-10	899	90
Potassium	------	------						
Selenium	------	------						
Silver	------	1000	-0.7	917	92	-0.4	922	92
Sodium	------	------						
Thallium	------	------						
Vanadium	------	500	76	562	130	76	562	130
Zinc	------	1000	7.8	950	95	10	964	96

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

B904887
EPA SAMPLE NO.
G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL # 6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2217		253		2000	98		P
Antimony	75-125	100		2.1	U	100	100		F
Arsenic	75-125	32		2	B	40	75		F
Barium	75-125	2023		77	B	2000	97		P
Beryllium	75-125	49		0.6	U	50	98		P
Cadmium	75-125	50.5		1.2	U	50	101		P
Calcium									NR
Chromium	75-125	203		11.8	B	200	96		P
Cobalt	75-125	476		3.9	B	500	94		P
Copper	75-125	249		1.7	U	250	100		P
Iron	75-125	1932		782		1000	115		P
Lead	75-125	20		1	B	20	95		F
Magnesium									NR
Manganese		3600		2960		500	128		P
Mercury	75-125	0.89		0.23		1.0	51		AV
Nickel	75-125	483		7.9	B	500	95		P
Potassium									NR
Selenium	75-125	8		1.2	U	10	80		F
Silver	75-125	47		2.3	U	50	94		P
Sodium									NR
Thallium	75-125	48		0.9	U	50	96		F
Vanadium	75-125	477		1.8	U	500	95		P
Zinc	75-125	494		22.5		500	94		P
Cyanide		90		10	U	100	90		AS
Sulfide		5000		1000	U	5000	100		T
Sulfate		312000		227000		100000			AS

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

B904893
EPA SAMPLE NO.
X 103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL # 6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	3.42		0.36	U	17.12	20	N	F
Arsenic	75-125	7.53		3.08		6.85	65		F
Barium	75-125	542		215		400	82		P
Beryllium	75-125	9.8		0.88		10	89		P
Cadmium	75-125	8.5		0.20	U	10	85		P
Calcium									NR
Chromium	75-125	49.4		14		40	88		P
Cobalt	75-125	89.4		4	B	100	85		P
Copper	75-125	55.3		13		50	85		P
Iron									NR
Lead	75-125	89.4 ~~93.2~~ sm		9 sm ~~12.5~~		100	~~81~~		P
Magnesium									NR
Manganese	75-125	716 583 sm		652 ~~657~~		100	74		P
Mercury	75-125	0.72		0.01	U	0.50	144	N	P
Nickel	75-125	98 ~~98.2~~		~~10.8~~		100	87		P
Potassium									NR
Selenium	75-125	1.71		0.51		1.71	70		F
Silver	75-125	7		0.39	U	10	70	N	P
Sodium									NR
Thallium	75-125	8.22		0.15	U	8.56	96		F
Vanadium	75-125	111		25.5		100	86		P
Zinc	75-125	128 ~~128~~ sm		45 sm ~~43.9~~		100	84		P
Cyanide		96		< 0.64 mg/kg		100	96		AS

Comments:

U.S. EPA - CLP

6
DUPLICATES

B904887
EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200	253		220		14		P
Antimony	60	2.1	U	2.1	U			F
Arsenic	10	2	B	1		66		F
Barium	200	77	B	80		3.8		P
Beryllium	5	0.6	U	0.6	U			P
Cadmium	5	1.2	U	1.4		200		P
Calcium		218800		222100		1.5		P
Chromium	10	11.8	B	10.2	B	14		P
Cobalt	50	3.9	B	4.9	B	23		P
Copper	25	1.7	U	3.1		100		P
Iron		782		796		1.8		P
Lead	5	1	B	2	B	67		F
Magnesium		42400		43070		1.6		P
Manganese		2960		3009		1.6		P
Mercury	0.2	0.23		0.24		4.2		AV
Nickel	40	7.9	B	10	B	23.5		P
Potassium		166500		171800		3.1		P
Selenium	5	1.2	U	1.2	U			F
Silver	10	2.3	U	2.3	U			P
Sodium		44680		45450		1.7		P
Thallium	10	0.9	U	0.9	U			F
Vanadium	50	1.8	U	1.8	U			P
Zinc		22.5		21.4		5.0		P
Cyanide		10	U	10	U			AS
Sulfide		1000	U	1000	U			T
Sulfate		227000		227000		0.0		AS

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6
DUPLICATES

B904893
EPA SAMPLE NO.

X 103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

% Solids for Sample: 77.9 % Solids for Duplicate: 77.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		11090		11400		2.8		P
Antimony		0.36	U	0.36				F
Arsenic		3.08		1.90		47	*	F
Barium		215		212		1.4		P
Beryllium		0.88		0.9		2.2		P
Cadmium		0.20	U	0.20	U			P
Calcium		3923		3818		2.7		P
Chromium		14		14		0.0		P
Cobalt		4	B	3.8		5.1		P
Copper		13		12.6		3.1		P
Iron		15720		17870		12.8		P
Lead		~~12.5~~		~~8.8~~		~~25~~	*	P
Magnesium		1790		1829		2.1		P
Manganese		~~657~~		~~644~~		~~2.0~~		P
Mercury		0.01	U	0.01	U			AV
Nickel		~~10.8~~		~~10.4~~		~~3.8~~		P
Potassium		768		734		4.5		P
Selenium		0.51	B	0.34		40		F
Silver		0.39	U	0.39	U			P
Sodium		35	B	31.2		11.4		P
Thallium		0.15	U	0.17				F
Vanadium		25.5		27.3		6.8		P
Zinc		~~43.9~~		~~41.3~~		~~6.1~~		P
Cyanide		0.64	U	0.59	U			AS

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7

LABORATORY CONTROL SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6
MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Solid LCS Source: _____

Aqueous LCS Source: Organic Ventures
Sulfate (USEPA)

WATER

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Aluminum	2000	2140	107						-
Antimony	25	27	108						
Arsenic	40	39	98						
Barium	2000	2095	105						
Beryllium	50	53	106						
Cadmium	-	-							
Calcium	-	-							
Chromium	200	209	104						
Cobalt	500	519	104						
Copper	250	263	105						
Iron	1000	1052	105						
Lead	20	20	100						
Magnesium	-	-							
Manganese	500	539	98						
Mercury	1.4	1.3	93						
Nickel	500	526	105						
Potassium	-	-							
Selenium	10	8	80						
Silver	50	54	108						
Sodium	-	-							
Thallium	50	49	98						
Vanadium	500	508	102						
Zinc	500	519	104						
Cyanide	100	102	102						
Sulfide									
Sulfate	100000	100000	100						

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7

LABORATORY CONTROL SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Solid LCS Source: _____

Aqueous LCS Source: Organic Venture

SOILS

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000	1936	97						-
Antimony	20	19	95						
Arsenic	30	33	110						
Barium	2000	2029	101						
Beryllium	50	52	104						
Cadmium	50	55	110						
Calcium	-	-							
Chromium	200	210	105						
Cobalt	500	514	103						
Copper	250	262	105						
Iron	1000	1097	110						
Lead	500	513	103						
Magnesium	-	-							
Manganese	500	538	108						
Mercury	1.4	1.2	86						
Nickel	500	525	105						
Potassium	-	-							
Selenium	15	16	107						
Silver	50	51	102						
Sodium	-	-							
Thallium	20	19	95						
Vanadium	500	504	101						
Zinc	500	512	102						
Cyanide									

NOTE: SOLID LCS UNAVAILABLE
AQUEOUS LCS USED/RON TERPIN IEPA

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8

STANDARD ADDITION RESULTS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Concentration Units: ug/L

	EPA Sample No.	An	Dil	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r
B904886	G101	AS	1	2	10	9	20	18	50	45	2	0.999
B904888	G103	AS	1	13	10	20	20	29	50	56	14	0.999
B904890	G104	AS	1	0	10	8	20	16	50	43	0	1.000
B904891	G105	AS	1	1	10	8	20	16	50	42	0	0.999
B904901	G503	AS	1	1	10	9	20	17	50	44	1	1.000
B904892	X101	AS	1	16	10	24	20	35	50	68	14	0.999
B904893	X103	AS	1	21	10	29	20	41	50	74	18	0.999
B904894	X102	AS	1	16	10	25	20	36	50	70	14	0.999
B904886	G101	PB	1	1	10	8	20	15	50	39	1	0.999
B904886	G101	SB	1	1	10	12	20	22	50	56	-1	1.000
B904887	G102	SB	1	2	10	11	20	22	50	55	0	0.999
B904888	G103	SB	1	3	10	9	20	16	50	37	2	1.000
B904889	G502	SB	1	2	10	11	20	20	50	51	0	0.999
B904890	G105	SB	1	2	10	11	20	22	50	53	0	1.000
B904901	G503	SB	1	2	10	9	20	20	50	52	-2	0.998
B904886	G101	SE	1	0	10	-1	20	-1	50	-1		
B904888	G103	SE	1	1	10	8	20	17	50	41	1	1.000
B904891	G105	SE	1	0	10	8	20	15	50	41	0	0.999

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8

STANDARD ADDITION RESULTS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Concentration Units: ug/L

	EPA Sample No.	An	Dil	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r
B904886	G101	TL	1	1	10	6	20	12	50	31	0	0.999
B904887	G102	TL	1	1	10	8	20	16	50	42	-1	0.999
B904891	G105	TL	1	0	10	8	20	16	50	44	-2	0.999
B904901	G503	TL	1	1	10	9	20	18	50	48	0	0.999

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9

ICP SERIAL DILUTIONS

B4O4887

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	253		559				NR
Antimony							NR
Arsenic							NR
Barium	77	B	52		32		P
Beryllium	0.6	U					NR
Cadmium	1.2	U					NR
Calcium	218800		219000		0.11		P
Chromium	11.8	B	3.7				NR
Cobalt	3.9	B					NR
Copper	1.7	U					NR
Iron	782		784				NR
Lead							NR
Magnesium	42400		41480		2.2		P
Manganese	2960		2960		0.0		P
Mercury							NR
Nickel	7.9	B					NR
Potassium	166500		173700	E	4.3		P
Selenium							NR
Silver	2.3	U					NR
Sodium	44680		45050		0.8		P
Thallium							
Vanadium	1.8	U					NR
Zinc	22.5						NR

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9

ICP SERIAL DILUTIONS

B904893

EPA SAMPLE NO.

X103

.MPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6

Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Level (low/med): _____

Concentration Units: ug/L

...yte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
...uminum	64780		62890		2.9		P
...timony							NR
...senic							NR
...rium	1255		1301		3.7		P
...ryllium	5.1		4.8		5.9		P
...dmium	1.2	U	1.2	U			NR
...lcium	22940		64760		182		P
...romium	81.4		92.7		13.7		P
...balt	23.3		22.5		3.0		P
...pper	75.3		107		42		P
...on	91940		84000		8.6		P
...ad	53.1		127		139	E	P
...gnesium	10470		11170		6.7		P
...nganese	3803		3595		5.5		P
...rcury							NR
...ckel	67.4		87		29		P
...tassium	4374		5790		32		P
...lenium							NR
...lver	2.3	U	2.3	U			NR
...dium	205		189		7.8		P
...allium							NR
...nadium	150		145		3.3		P
...nc	263		307		16.7		P

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10
HOLDING TIMES

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

EPA Sample No.	Matrix	Date Received	Mercury Prep Date	Mercury Holding Time	Cyanide Prep Date	Cyanide Holding Time	
G101	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904886
G102	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904887
G103	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904888
G502	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904889
G104	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904890
G105	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904891
X101	SOIL	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904892
X103	SOIL	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904893
X102	SOIL	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904894
G503	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904901

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11

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

Date: 5/5/89

Flame AA ID Number: _____

Furnace AA ID Number: 1

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.21		200	78	P
Antimony	217.6	BZ	60	2.1	F
Arsenic	193.7	BZ	10	1.2	F
Barium	455.41		200	1.6	P
Beryllium	313.04		5	0.6	P
Cadmium	226.5		5	1.2	P
Calcium	315.80		5000	137	P
Chromium	267.71		10	3.0	P
Cobalt	228.61		50	1.7	P
Copper	324.75		25	1.7	P
Iron	259.94		100	37	P
* Lead	283.3	BZ	5	0.8	F
Magnesium	279.55		5000	92	P
Manganese	257.61		15	1.2	P
Mercury	253.7		0.2	0.05	AV
Nickel	231.60		40	4.3	P
Potassium	766.49		5000	260	P
Selenium	196.0	BZ	5	1.2	F
Silver	328.06		10	2.3	P
Sodium	589.59		5000	57	P
Thallium	276.80	BZ	10	0.9	F
Vanadium	311.07		50	1.8	P
Zinc	213.86		20	11	P

Comments:

* Lead, 283.3 nm IDL 13ug/l ICP

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12A

ICP INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

Date: 5/5/89

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al 500000 ug/l	Ca 500000 ug/l	Fe 200000 ug/l	Mg 500000 ug/l	—
Aluminum	308.21	-	403	50	624	
Antimony						
Arsenic						
Barium	455.41	5	2	0.6	0.6	
Beryllium	313.04	0.6	1.7	0.15	0.8	
Cadmium	226.50	38	7	67	13	
Calcium	315.80	162	-	56	180	
Chromium	267.71	4	7	29	94	
Cobalt	228.61	13	12	40	26	
Copper	324.75	14	7	7	5	
Iron	259.94	110	45	-	120	
Lead	283.3	1350	110	156	175	
Magnesium	279.55	93	200	28	-	
Manganese	257.61	13	1	87	30	
Mercury						
Nickel	231.60	15	18	70	44	
Potassium	766.49	90	23	118	10	
Selenium						
Silver	328.06	1	5	2	2	
Sodium	589.59	75	26	140	51	
Thallium						
Vanadium	311.07	17	10	14	13	
Zinc	213.86	45	6	40	29	

Comments:

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13

ICP LINEAR RANGES (QUARTERLY)

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

Date: 5/5/89

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	3 X 8	50150	P
Antimony			
Arsenic			
Barium	3 X 8	2023	P
Beryllium	3 X 8	997	P
Cadmium	3 X 8	1006	P
Calcium	3 X 8	490000	P
Chromium	3 X 8	1002	P
Cobalt	3 X 8	1013	P
Copper	3 X 8	991	P
Iron	3 X 8	50520	P
Lead	3 X 8	1002	P
Magnesium	3 X 8	246300	P
Manganese	3 X 8	5028	P
Mercury			
Nickel	3 X 8	1008	P
Potassium	3 X 8	74400	P
Selenium			
Silver	3 X 8	1004	P
Sodium	3 X 8	510200	P
Thallium			
Vanadium	3 X 8	1001	P
Zinc	3 X 8	1007	P

Comments:

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6
MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

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

EPA Sample No.	Lab Sample ID.
G101	B904886
G102	B904887
G103	B904888
G502	B904889
G104	B904890
G105	B904891
X101	B904892
X103	B904893
X102	B904894
G503	B904901

Were ICP interelement corrections applied? Yes/No ___

Were ICP background corrections applied? Yes/No ___
If yes-were raw data generated before application of background corrections? Yes/No ___

Comments:

Release of the data contained in this hardcopy data package ~~and in the computer-readable data submitted on floppy diskette~~ has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: [signature]

Date: 6/19/89

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: 3904886

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1027			P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	2	B	S	F
7440-39-3	Barium	178	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	738000			P
7440-47-3	Chromium	42.7			P
7440-48-4	Cobalt	14.5	B		P
7440-50-8	Copper	7.4	B		P
7439-89-6	Iron	3306			P
7439-92-1	Lead	1	B	S	F
7439-95-4	Magnesium	150700			P
7439-96-5	Manganese	8281			P
7439-97-6	Mercury	0.1	B	N	AV
7440-02-0	Nickel	29	B		P
7440-09-7	Potassium	1730000			P
7782-49-2	Selenium	1.2	U	E,+	F
7440-22-4	Silver	5	B		P
7440-23-5	Sodium	135600			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	4.3	B		P
7440-66-6	Zinc	16.2	B		P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	461000			AS

Color Before: Colorless Clarity Before: Cloudy Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology

Sulfate IEPA Methodology

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904887

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	253			P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	2	B		F
7440-39-3	Barium	77	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	218800			P
7440-47-3	Chromium	11.8	B		P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	1.7	U		P
7439-89-6	Iron	782			P
7439-92-1	Lead	1	B		F
7439-95-4	Magnesium	42400			P
7439-96-5	Manganese	2960			P
7439-97-6	Mercury	0.23		N	AV
7440-02-0	Nickel	7.9	B		P
7440-09-7	Potassium	166500			P
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	44680			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	22.5			P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	227000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

FORM I - IN

7/87
Rev. IFB Amendment One

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO. B904888

G103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904888

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26140			P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	14		S	F
7440-39-3	Barium	282			P
7440-41-7	Beryllium	2	B		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	57710			P
7440-47-3	Chromium	61.2			P
7440-48-4	Cobalt	14.3	B		P
7440-50-8	Copper	139			P
7439-89-6	Iron	21360			P
7439-92-1	Lead	65			F
7439-95-4	Magnesium	25510			P
7439-96-5	Manganese	611			P
7439-97-6	Mercury	0.16	B	N	AV
7440-02-0	Nickel	34.9	B		P
7440-09-7	Potassium	2570	B		P
7782-49-2	Selenium	1.2	U	S	F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	99470			P
7440-28-0	Thallium	0.9	U		F
7440-62-2	Vanadium	97			P
7440-66-6	Zinc	400			P
	Cyanide	10	U		AS
	Sulfide	36000*			T
	Sulfate	151000			AS

Color Before: Brown Clarity Before: Cloudy Texture: _____

Color After: Brown Clarity After: Cloudy Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

* Can not be confirmed as Sulfide. Suspect some sort of interference

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G502

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904889

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	131	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	2	B		F
7440-39-3	Barium	170	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	136500			P
7440-47-3	Chromium	9.8	B		P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	4067			P
7439-92-1	Lead	1	B		F
7439-95-4	Magnesium	40470			P
7439-96-5	Manganese	689			P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	4.3	U		P
7440-09-7	Potassium	4694	B		P
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	52430			P
7440-28-0	Thallium	0.9	U		F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	11	U		P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	184000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904890

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	1.2	U	S	F
7440-39-3	Barium	23.3	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	130100			P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	147			P
7439-89-6	Iron	668			P
7439-92-1	Lead	3	B		F
7439-95-4	Magnesium	52680			P
7439-96-5	Manganese	14.9	B		P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	4.3	U		P
7440-09-7	Potassium	1309	B		P
7782-49-2	Selenium	2	B		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	67770			P
7440-28-0	Thallium	0.9	U		F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	334			P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	293000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology

Sulfate IEPA Methodology

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904891

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	93.4	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	1.2	U	S	F
7440-39-3	Barium	104	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	41400			P
7440-47-3	Chromium	11.2			P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	3546			P
7439-92-1	Lead	0.8	U		F
7439-95-4	Magnesium	42220			P
7439-96-5	Manganese	964			P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	7.9	B		P
7440-09-7	Potassium	84670			P
7782-49-2	Selenium	1.2	U	S	F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	81260			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	11	U		P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	206000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

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1

INORGANIC ANALYSIS DATA SHEET

B904892
EPA SAMPLE NO.

X 101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904892

Level (low/med): _____ Date Received: 4/14/89

% Solids: 77.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10390			P
7440-36-0	Antimony	0.43	U	N	F
7440-38-2	Arsenic	3.15		S*	F
7440-39-3	Barium	184			P
7440-41-7	Beryllium	0.86			P
7440-43-9	Cadmium	0.25	U		P
7440-70-2	Calcium	3860		E	P
7440-47-3	Chromium	13.5	B		P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	11.4			P
7439-89-6	Iron	12710			P
7439-92-1	Lead	14.2		*	P
7439-95-4	Magnesium	1707			P
7439-96-5	Manganese	285			P
7439-97-6	Mercury	0.01	U	N	AV
7440-02-0	Nickel	7.8	B		P
7440-09-7	Potassium	724	B		P
7782-49-2	Selenium	0.45	B		F
7440-22-4	Silver	0.47	U	N	P
7440-23-5	Sodium	194	B		P
7440-28-0	Thallium	0.18	U		F
7440-62-2	Vanadium	23			P
7440-66-6	Zinc	42			P
	Cyanide	0.48	U		AS

Color Before: Black Clarity Before: Opaque Texture: Course

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

FORM I - IN

7/87
Rev. IFB Amendment One

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904893

Level (low/med): _____ Date Received: 4/14/89

% Solids: 77.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11090			P
7440-36-0	Antimony	0.36	U	N	F
7440-38-2	Arsenic	3.08		S,*	F
7440-39-3	Barium	215			P
7440-41-7	Beryllium	0.88			P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	3923		E	P
7440-47-3	Chromium	14			P
7440-48-4	Cobalt	4	B		P
7440-50-8	Copper	13			P
7439-89-6	Iron	15720			P
7439-92-1	Lead	12.5		*	P
7439-95-4	Magnesium	1790			P
7439-96-5	Manganese	657			P
7439-97-6	Mercury	0.01	U	N	AV
7440-02-0	Nickel	10.8			P
7440-09-7	Potassium	768			P
7782-49-2	Selenium	0.51	B		F
7440-22-4	Silver	0.39	U	N	P
7440-23-5	Sodium	35	B		P
7440-28-0	Thallium	0.15	U		F
7440-62-2	Vanadium	25.5			P
7440-66-6	Zinc	43.9			P
	Cyanide	0.64	U		AS

Color Before: Black Clarity Before: Opaque Texture: Course

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X 102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904894

Level (low/med): _____ Date Received: 4/14/89

% Solids: 70.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19730			P
7440-36-0	Antimony	0.40	U	N	F
7440-38-2	Arsenic	2.91		S*	F
7440-39-3	Barium	170			P
7440-41-7	Beryllium	1.2			P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	2898		E	P
7440-47-3	Chromium	22.3			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	15.1			P
7439-89-6	Iron	21760			P
7439-92-1	Lead	7.8		*	P
7439-95-4	Magnesium	2895			P
7439-96-5	Manganese	120			P
7439-97-6	Mercury	0.01	U	N	AV
7440-02-0	Nickel	10.6			P
7440-09-7	Potassium	2089			P
7782-49-2	Selenium	0.42			F
7440-22-4	Silver	0.44	U	N	P
7440-23-5	Sodium	267	B		P
7440-28-0	Thallium	0.17	U		F
7440-62-2	Vanadium	37			P
7440-66-6	Zinc	51.6			P
	Cyanide	0.44	U		AS

Color Before: Brown Clarity Before: Opaque Texture: Course

Color After: Light Green Clarity After: Clear Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G503

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Lab Sample ID: B904901

Level (low/med): _____ Date Received: 4/14/89

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	114	B		P
7440-36-0	Antimony	2.1	U	S	F
7440-38-2	Arsenic	1.2	U	S	F
7440-39-3	Barium	161	B		P
7440-41-7	Beryllium	0.6	U		P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	191600			P
7440-47-3	Chromium	13.3			P
7440-48-4	Cobalt	1.7	U		P
7440-50-8	Copper	1.7	U		P
7439-89-6	Iron	5593			P
7439-92-1	Lead	1	B		F
7439-95-4	Magnesium	49860			P
7439-96-5	Manganese	1326			P
7439-97-6	Mercury	0.05	U	N	AV
7440-02-0	Nickel	8.7			P
7440-09-7	Potassium	56940			P
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	2.3	U		P
7440-23-5	Sodium	75410			P
7440-28-0	Thallium	0.9	U	S	F
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	12.9	B		P
	Cyanide	10	U		AS
	Sulfide	31000 *			T
	Sulfate	302000			AS

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: _____

Comments:

Sulfide SW846 Methodology
Sulfate IEPA Methodology

*Can not be confirmed as Sulfide. Suspect some sort of interference

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Inorganic Ventures

Cyanice ICV & CCV Source USEPA

Concentration Units: ug/L

WATER PAGE 1

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 1	Continuing Calibration %R(1)	Continuing Calibration Found 2	Continuing Calibration %R(1)	M
Aluminum	10000	9891	99	10000	10030	100	10030	100	P
Antimony	25	27	108	25	27	108	26	104	F
Arsenic	40	39	98	40	39	98	38	95	F
Barium	10000	9163	92	10000	9184	92	9110	91	P
Beryllium	250	256	102	250	256	102	254	102	P
Cadmium	500	515	103	500	517	103	510	102	P
Calcium	25000	24200	97	25000	24300	97	23700	95	P
Chromium	1000	997	100	1000	1002	100	990	99	P
Cobalt	2500	2406	96	2500	2413	96	2388	96	P
Copper	1250	1185	95	1250	1185	95	1175	94	P
Iron	5000	4976	100	5000	4991	100	4949	99	P
Lead	20	20	100	20	20	100	20	100	F
Magnesium	25000	25030	100	25000	25020	100	24660	99	P
Manganese	2500	2640	106	2500	2654	106	2617	105	P
Mercury	1.4	1.3	93	1.4	1.3	93	1.2	86	AV
Nickel	2500	2405	96	2500	2420	97	2393	96	P
Potassium	25000	23070	92	25000	22830	91	22610	90	P
Selenium	10	9	90	10	10	100	9	90	F
Silver	250	249	100	250	252	101	249	100	P
Sodium	25000	24420	98	25000	25520	102	24350	97	P
Thallium	50	49	98	50	49	98	53	106	F
Vanadium	2500	2392	96	2500	2403	96	2383	95	P
Zinc	2500	2463	98	2500	2474	99	2450	98	P
Cyanide	100	104	104	100	90	96	93	93	AS
Sulfide	10000	10000	100						T
Sulfate	105000	104000	101	105000	102600	98	105900	101	AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

WATER PAGE 2

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 3	Continuing Calibration %R(1)	Continuing Calibration Found 4	Continuing Calibration %R(1)	M
Aluminum					10150	102	10190	102	
Antimony					26	104	25	100	
Arsenic					40	100	42	105	
Barium					9274	93	9349	93	
Beryllium					259	104	260	104	
Cadmium					517	103	518	104	
Calcium					23900	96	24300	97	
Chromium					1003	100	1006	101	
Cobalt					2418	97	2421	97	
Copper					1196	96	1210	97	
Iron					5012	100	5018	100	
Lead					20	100	20	100	
Magnesium					24850	99	25060	100	
Manganese					2656	106	2658	106	
Mercury									
Nickel					2424	97	2427	97	
Potassium					22710	91	23270	93	
Selenium					9	90	9	90	
Silver					250	100	253	101	
Sodium					24770	99	25100	100	
Thallium					53	106	52	104	
Vanadium					2422	97	2429	97	
Zinc					2469	99	2479	99	
Cyanide									
Sulfide									
Sulfate									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

WATER PAGE 3

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 5	Continuing Calibration %R(1)	Continuing Calibration Found 6	Continuing Calibration %R(1)	M
Aluminum					10130	101			
Antimony									
Arsenic									
Barium					9358	94			
Beryllium					259	104			
Cadmium					522	104			
Calcium					24600	98			
Chromium					1013	101			
Cobalt					2438	98			
Copper					1215	97			
Iron					5037	101			
Lead					20	100			
Magnesium					25510	102			
Manganese					2669	107			
Mercury									
Nickel					2436	97			
Potassium					24300	97			
Selenium									
Silver					255	102			
Sodium					24980	100			
Thallium									
Vanadium					2428	97			
Zinc					2490	100			
Cyanide									
Sulfide									
Sulfate									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: _____

Concentration Units: ug/L

SOIL PAGE 1

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 1	Continuing Calibration %R(1)	Continuing Calibration Found 2	Continuing Calibration %R(1)	M
Aluminum	10000	10410	104	10000	10130	101	10060	101	P
Antimony	20	20	100	20	20	100	21	105	F
Arsenic	30	28	93	30	33	110	32	107	F
Barium	10000	10430	104	10000	10050	100	9929	99	P
Beryllium	250	263	105	250	256	102	254	102	P
Cadmium	500	531	106	500	528	106	524	105	P
Calcium	25000	24350	97	25000	24890	100	24600	98	P
Chromium	1000	1025	102	1000	1013	101	1007	101	P
Cobalt	2500	2507	100	2500	2479	99	2459	98	P
Copper	1250	1240	99	1250	1201	96	1187	95	P
Iron	5000	5107	102	5000	5717	114	4959	99	P
Lead	1000	1040	104	1000	1033	103	1025	102	P
Magnesium	25000	25530	102	25000	25480	102	25110	100	P
Manganese	2500	2739	110	2500	2708	108	2677	107	P
Mercury	*								
Nickel	2500	2518	101	2500	2487	99	2465	99	P
Potassium	25000	24630	98	25000	24110	96	24080	96	P
Selenium	15	16	107	15	15	100	16	107	F
Silver	250	237	95	250	234	94	234	94	P
Sodium	25000	25770	103	25000	24780	99	24590	98	P
Thallium	20	19	95	20	19	95	19	95	F
Vanadium	2500	2461	98	2500	2406	96	2390	96	P
Zinc	2500	2609	104	2500	2603	104	2584	103	P
Cyanide	*								

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

* SEE WATER

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

SOIL PAGE 3

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 5	Continuing Calibration %R(1)	Continuing Calibration Found 6	Continuing Calibration %R(1)	M
Aluminum					10340	103	10270	103	
Antimony									
Arsenic					33	110			
Barium					10140	101	9994	100	
Beryllium					261	104	258	103	
Cadmium					537	107	531	106	
Calcium					25080	100	25610	102	
Chromium					1034	103	1021	102	
Cobalt					2525	101	2498	100	
Copper					1215	97	1198	96	
Iron					5075	102	5030	101	
Lead					1066	107	1029	103	
Magnesium					25670	103	25230	101	
Manganese					2747	110	2717	109	
Mercury									
Nickel					2532	101	2507	100	
Potassium					23780	95	23800	95	
Selenium									
Silver					239	96	236	94	
Sodium					25140	100	24930	100	
Thallium									
Vanadium					2459	98	2436	97	
Zinc					2635	105	2618	105	
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Initial Calibration Source: _____

Continuing Calibration Source: _____

Concentration Units: ug/L

SOIL PAGE 2

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found 3	Continuing Calibration %R(1)	Continuing Calibration Found 4	Continuing Calibration %R(1)	M
Aluminum					10160	102	10340	103	
Antimony					20	100	20	100	
Arsenic					31	103	33	110	
Barium					10110	101	10110	101	
Beryllium					258	103	260	104	
Cadmium					535	107	531	106	
Calcium					25160	101	24710	99	
Chromium					1028	103	1022	102	
Cobalt					2509	100	2502	100	
Copper					1211	97	1208	97	
Iron					5018	100	5100	102	
Lead					1046	105	1049	105	
Magnesium					25690	103	25360	101	
Manganese					2731	109	2724	109	
Mercury									
Nickel					2520	101	2510	100	
Potassium					24360	97	23890	96	
Selenium					16	107	16	107	
Silver					238	95	236	94	
Sodium					24950	100	25180	101	
Thallium					18	90			
Vanadium					2434	97	2437	97	
Zinc					2624	105	2620	105	
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

AA CRDL Standard Source: INORGANIC VENTURES

ICP CRDL Standard Source: INORGANIC VENTURES

Concentration Units: ug/L WATER

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum	------	------		------	------		------	
Antimony	20	18	90	------	------		------	
Arsenic	20	21	105	------	------		------	
Barium	------	------		------	------			
Beryllium	------	------		10	10.8	108	10.4	104
* Cadmium	------	------						
Calcium	------	------		------	------		------	
Chromium	------	------		20	18.5	92	21.4	107
Cobalt	------	------		100	97.8	98	96.8	97
Copper	------	------		50	51.2	102	53.4	107
Iron	------	------		------	------		------	
Lead	10	11	110					
Magnesium	------	------		------	------		------	
Manganese	------	------		30	30.2	101	27.6	92
Mercury	0.4	0.44	110	------				
Nickel	------	------		80	77.9	97	83	104
Potassium	------	------		------	------		------	
Selenium	10	10	100					
Silver	------	------		20	20	100	22	110
Sodium	------	------		------	------		------	
Thallium	20	19	95					
Vanadium	------	------		100	96.6	97	96	96
Zinc	------	------		40	39.7	99	37.6	94

* INADVERTENTLY OMITTED FROM CRI STANDARD

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

AA CRDL Standard Source: INORGANIC VENTURES

ICP CRDL Standard Source: INORGANIC VENTURES

Concentration Units: ug/L SOIL

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum				------	------		------	
Antimony	20	22	110	------	------		------	
Arsenic	20	21	105	------	------		------	
Barium				------	------		------	
Beryllium				10	11.6	116	11.0	110
* Cadmium								
Calcium				------	------		------	
Chromium				20	20.7	104	21.5	108
Cobalt				100	100.5	100	98.4	98
Copper				50	51.5	103	49.4	99
Iron				------	------		------	
Lead				------	------		------	
Magnesium				------	------		------	
Manganese				30	32.4	108	27.1	90
Mercury	0.4	0.398	100	------	------		------	
Nickel				80	79.7	100	79.5	99
Potassium				------	------		------	
Selenium	10	11	110	------	------		------	
Silver				20	20.3	101	21.5	108
Sodium				------	------			
Thallium	20	19	95	------	------			
Vanadium				100	100	100	98.2	98
Zinc				40	44.9	112	43.1	108

* INADVERTENTY OMITTED FROM CRI STANDARD

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

WATER PAGE 1

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	78	U	78	U	78	U	78	U	78	U	P
Antimony	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	F
Arsenic	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	F
Barium	3.8	B	1.6	U	1.6	U	6.6	B	1.6	U	P
Beryllium	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U	P
Cadmium	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	P
Calcium	137	U	137	U	137	U	137	U	137	U	P
Chromium	3.0	U	3.0	U	3.0	U	3.0	U	3.0	U	P
Cobalt	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	P
Copper	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	P
Iron	37	U	37	U	37	U	37	U	37	U	P
Lead	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	F
Magnesium	92	U	92	U	92	U	92	U	92	U	P
Manganese	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	P
Mercury	0.11	B	0.05	U	0.05	U			0.05	U	AV
Nickel	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	P
Potassium	422	B	260	U	260	U	260	U	343	B	P
Selenium	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	F
Silver	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U	P
Sodium	57	U	57	U	5.7	U	57	U	57	U	P
Thallium	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U	F
Vanadium	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	P
Zinc	11	U	11	U	11	U	11	U	11	U	P
Cyanide	10	U	10	U	10	U			12	U	
Sulfide	1000	U									
Sulfate	10000	U	10000	U							

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

WATER PAGE 2

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 4	C	5	C	6	C	Prepa-ration Blank	C	M
Aluminum			78	U	78	U					
Antimony			2.1	U							
Arsenic			1.2	U							
Barium			1.6	U	1.6	U					
Beryllium			0.6	U	0.6	U					
Cadmium			1.2	U	1.2	U					
Calcium			194	B	137	U					
Chromium			3.0	U	3.0	U					
Cobalt			1.7	U	1.7	U					
Copper			1.7	U	1.7	U					
Iron			37	U	37	U					
Lead			0.8	U	0.8	U					
Magnesium			92	U	92	U					
Manganese			1.2	U	1.2	U					
Mercury											
Nickel			4.3	U	5.9	B					
Potassium			260	U	722	B					
Selenium			1.2	U							
Silver			2.3	U	2.3	U					
Sodium			57	U	57	U					
Thallium			0.1	U							
Vanadium			1.8	U	1.8	U					
Zinc			11	U	11	U					
Cyanide											

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

SOIL PAGE 1

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	L	M
Aluminum	78	U	78	U	78	U	78	U	15.6	U		P
Antimony	2.1	U	2.1	U	2.1	U	2.1	U	0.42	U		F
Arsenic	1.2	U	1.2	U	1.2	U	1.2	U	0.24	U		F
Barium	5.5	B	3.9	B	1.6	U	1.6	U	0.32	U		P
Beryllium	0.6	U	0.6	U	0.6	U	0.6	U	0.12	U		P
Cadmium	1.2	U	2.9	B	1.2	U	1.2	U	0.8	B		P
Calcium	137	U	137	U	137	U	137	U	27.4	U		P
Chromium	3.0	U	5.9	B	3.0	U	3.0	U	1.7	B		P
Cobalt	1.7	U	6	B	1.7	U	1.7	U	1.7	B		P
Copper	1.7	U	4.6	B	1.7	U	1.7	U	1.2	B		P
Iron	37	U	32	U	37	U	37	U	20.6	B		P
Lead	0.8	U	0.8	U	0.8	U	0.8	U	0.11	U		F
Magnesium	92	U	92	U	92	U	92	U	18.4	U		P
Manganese	1.9	B	1.3	B	1.2	U	1.2	U	0.3	B		P
Mercury												AV
Nickel	4.3	U	9.8	B	4.3	U	4.3	U	2.8	B		P
Potassium	260	U	779	B	260	U	407	B	303	B		P
Selenium	1.2	U	1.2	U	1.2	U	1.2	U	0.24	U		F
Silver	2.3	U	4.1	B	2.3	U	2.3	U	1.6	B		P
Sodium	57	U	112	B	57	U	57	U	55	B		P
Thallium	0.9	U	0.9	U	0.9	U	0.9	U	0.18	U		F
Vanadium	1.8	U	5	B	1.8	U	1.8	U	1.3	B		P
Zinc	11	U	11	U	11	U	11	U	2.2	U		P
Cyanide												

U.S. EPA - CLP

3
BLANKS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

SOIL PAGE 2

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 4	C	5	C	6	C	Prepa-ration Blank	C	M
Aluminum			78	U	78	U	78	U			
Antimony			2.1	U							
Arsenic			1.2	U	1.2	U					
Barium			11	B	1.6	U	1.7	B			
Beryllium			0.6	U	0.6	U	0.6	U			
Cadmium			1.2	U	1.2	U	1.2	U			
Calcium			137	U	137	U	137	U			
Chromium			3.0	U	3.0	U	3.0	U			
Cobalt			2	B	1.7	U	1.7	U			
Copper			1.7	U	1.7	U	1.7	U			
Iron			85	B	37	U	37	U			
Lead			0.8	U	15	B	0.8	U			
Magnesium			92	U	92	U	92	U			
Manganese			5	B	1.2	U	1.2	U			
Mercury											
Nickel			4.3	U	4.3	U	4.3	U			
Potassium			260	U	260	U	260	U			
Selenium			1.2	U							
Silver			2.3	U	2.3	U	2.3	U			
Sodium			57	U	57	U	57	U			
Thallium											
Vanadium			1.8	U	1.8	U	1.8	U			
Zinc			11	U	11	U	11	U			
Cyanide											

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO #1350000000

Lab Code: _____ Case No: _____

SAS No.: _____ SDG No.: 4

ICP ID Number: 1

ICS Source: INORGANIC VENTURES

Concentration Units: ug/L WATER

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	468800	490000	98	493400	492600	98
Antimony	------	------						
Arsenic	------	------						
Barium	------	500	4.6	452	90	-8	444	89
Beryllium	------	500	0.64	439	88	-1	440	88
Cadmium	------	1000	4.0	830	83	3	834	83
Calcium	500000	500000	466600	472200	94	464700	467400	93
Chromium	------	500	73	506	101	74	514	103
Cobalt	------	500	1.9	430	86	0.2	436	87
Copper	------	500	------	447	89	-16	447	89
Iron	200000	200000	182500	183500	92	183400	183300	92
* Lead	------	1000	------	874	87	0	887	89
Magnesium	500000	500000	442700	448100	90	434500	441900	88
Manganese	------	500	49.5	481	96	31	481	96
Mercury	------	------						
Nickel	------	1000	4.9	844	84	2.3	849	85
Potassium	------	------						
Selenium	------	------						
Silver	------	1000	1.8	911	91	2.6	922	92
Sodium	------	------						
Thallium	------	------						
Vanadium	------	500	77	528	106	77	532	106
Zinc	------	1000	3	866	87	-0.2	876	88

* INADVERTENTLY OMITTED FROM CRI STANDARD

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO #1350000000

Lab Code: _____ Case No: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

ICS Source: INORGANIC VENTURES

Concentration Units: ug/L SOIL

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	500800	502400	100	499000	500200	100
Antimony	------	------						
Arsenic	------	------						
Barium	------	500	2.4	482	96	0.5	470	94
Beryllium	------	500	-0.9	481	96	-1	477	95
Cadmium	------	1000	1.6	899	90	2.2	912	91
Calcium	500000	500000	505000	509700	102	513700	523000	105
Chromium	------	500	72	535	107	72	540	108
Cobalt	------	500	-1.2	458	92	-2	463	93
Copper	------	500	-18	477	95	-19	470	94
Iron	200000	200000	199800	200600	100	198400	199800	100
Lead	------	1000	0	941	94	0	954	95
Magnesium	500000	500000	501400	506400	101	517400	529400	106
Manganese	------	500	31	510	102	30	511	102
Mercury	------	------						
Nickel	------	1000	-7.8	894	89	-10	899	90
Potassium	------	------						
Selenium	------	------						
Silver	------	1000	-0.7	917	92	-0.4	922	92
Sodium	------	------						
Thallium	------	------						
Vanadium	------	500	76	562	130	76	562	130
Zinc	------	1000	7.8	950	95	10	964	96

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

B904587
EPA SAMPLE NO.
G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL # 6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2217		253		2000	98		P
Antimony	75-125	100		2.1	U	100	100		F
Arsenic	75-125	32		2	B	40	75		F
Barium	75-125	2023		77	B	2000	97		P
Beryllium	75-125	49		0.6	U	50	98		P
Cadmium	75-125	50.5		1.2	U	50	101		P
Calcium									NR
Chromium	75-125	203		11.8	B	200	96		P
Cobalt	75-125	476		3.9	B	500	94		P
Copper	75-125	249		1.7	U	250	100		P
Iron	75-125	1932		782		1000	115		P
Lead	75-125	20		1	B	20	95		F
Magnesium									NR
Manganese		3600		2960		500	128		P
Mercury	75-125	0.89		0.23		1.0	51		AV
Nickel	75-125	483		7.9	B	500	95		P
Potassium									NR
Selenium	75-125	8		1.2	U	10	80		F
Silver	75-125	47		2.3	U	50	94		P
Sodium									NR
Thallium	75-125	48		0.9	U	50	96		F
Vanadium	75-125	477		1.8	U	500	95		P
Zinc	75-125	494		22.5		500	94		P
Cyanide		90		10	U	100	90		AS
Sulfide		5000		1000	U	5000	100		T
Sulfate		312000		227000		100000			AS

Comments:

U.S. EPA - CLP

6
DUPLICATES

B904887
EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

% Solids for Sample: _____ % Solids for Duplicate: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200	253		220		14		P
Antimony	60	2.1	U	2.1	U			E
Arsenic	10	2	B	1		66		E
Barium	200	77	B	80		3.8		P
Beryllium	5	0.6	U	0.6	U			P
Cadmium	5	1.2	U	1.4		200		P
Calcium		218800		222100		1.5		P
Chromium	10	11.8	B	10.2	B	14		P
Cobalt	50	3.9	B	4.9	B	23		P
Copper	25	1.7	U	3.1		100		P
Iron		782		796		1.8		P
Lead	5	1	B	2	B	67		E
Magnesium		42400		43070		1.6		P
Manganese		2960		3009		1.6		P
Mercury	0.2	0.23		0.24		4.2		AV
Nickel	40	7.9	B	10	B	23.5		P
Potassium		166500		171800		3.1		P
Selenium	5	1.2	U	1.2	U			E
Silver	10	2.3	U	2.3	U			P
Sodium		44680		45450		1.7		P
Thallium	10	0.9	U	0.9	U			E
Vanadium	50	1.8	U	1.8	U			P
Zinc		22.5		21.4		5.0		P
Cyanide		10	U	10	U			AS
Sulfide		1000	U	1000	U			T
Sulfate		227000		227000		0.0		AS

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

B904893
EPA SAMPLE NO.
X 103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL # 6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	3.42		0.36	U	17.12	20	N	F
Arsenic	75-125	7.53		3.08		6.85	65		F
Barium	75-125	542		215		400	82		P
Beryllium	75-125	9.8		0.88		10	89		P
Cadmium	75-125	8.5		0.20	U	10	85		?
Calcium									NR
Chromium	75-125	49.4		14		40	88		P
Cobalt	75-125	89.4		4	B	100	85		P
Copper	75-125	55.3		13		50	85		P
Iron									NR
Lead	75-125	93.2		12.5		100	81		P
Magnesium									NR
Manganese	75-125	583		657		100	74		P
Mercury	75-125	0.72		0.01	U	0.50	144	N	P
Nickel	75-125	98.2		10.8		100	87		P
Potassium									NR
Selenium	75-125	1.71		0.51		1.71	70		F
Silver	75-125	7		0.39	U	10	70	N	P
Sodium									NR
Thallium	75-125	8.22		0.15	U	8.56	96		F
Vanadium	75-125	111		25.5		100	86		P
Zinc	75-125	128		43.9		100	84		P
Cyanide		96		< 0.64 mg/kg		100	96		AS

Comments:

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6
DUPLICATES

B904893
EPA SAMPLE NO.

X 103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

% Solids for Sample: 77.9 % Solids for Duplicate: 77.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		11090		11400		2.8		P
Antimony		0.36	U	0.36				F
Arsenic		3.08		1.90		47	*	F
Barium		215		212		1.4		P
Beryllium		0.88		0.9		2.2		P
Cadmium		0.20	U	0.20	U			P
Calcium		3923		3818		2.7		P
Chromium		14		14		0.0		P
Cobalt		4	B	3.8		5.1		P
Copper		13		12.6		3.1		P
Iron		15720		17870		12.8		P
Lead		12.5		8.8		35	*	P
Magnesium		1790		1829		2.1		P
Manganese		657		644		2.0		P
Mercury		0.01	U	0.01	U			AV
Nickel		10.8		10.4		3.8		P
Potassium		768		734		4.5		P
Selenium		0.51	B	0.34		40		F
Silver		0.39	U	0.39	U			P
Sodium		35	B	31.2		11.4		P
Thallium		0.15	U	0.17				F
Vanadium		25.5		27.3		6.8		P
Zinc		43.9		41.3		6.1		P
Cyanide		0.64	U	0.59	U			AS

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7

LABORATORY CONTROL SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB **Contract:** NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ **Case No.:** _____ **SAS No.:** _____ **SDG No.:** 4

Solid LCS Source: _____

Aqueous LCS Source: Organic Ventures Sulfate (USEPA)

WATER

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000	2140	107						
Antimony	25	27	108						
Arsenic	40	39	98						
Barium	2000	2095	105						
Beryllium	50	53	106						
Cadmium	-	-							
Calcium	-	-							
Chromium	200	209	104						
Cobalt	500	519	104						
Copper	250	263	105						
Iron	1000	1052	105						
Lead	20	20	100						
Magnesium	-	-							
Manganese	500	539	98						
Mercury	1.4	1.3	93						
Nickel	500	526	105						
Potassium	-	-							
Selenium	10	8	80						
Silver	50	54	108						
Sodium	-	-							
Thallium	50	49	98						
Vanadium	500	508	102						
Zinc	500	519	104						
Cyanide	100	102	102						
Sulfide									
Sulfate	100000	100000	100						

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7

LABORATORY CONTROL SAMPLE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Solid LCS Source: _____

Aqueous LCS Source: Organic Venture

SOILS

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Aluminum	2000	1936	97						
Antimony	20	19	95						
Arsenic	30	33	110						
Barium	2000	2029	101						
Beryllium	50	52	104						
Cadmium	50	55	110						
Calcium	-	-							
Chromium	200	210	105						
Cobalt	500	514	103						
Copper	250	262	105						
Iron	1000	1097	110						
Lead	500	513	103						
Magnesium	-	-							
Manganese	500	538	108						
Mercury	1.4	1.2	86						
Nickel	500	525	105						
Potassium	-	-							
Selenium	15	16	107						
Silver	50	51	102						
Sodium	-	-							
Thallium	20	19	95						
Vanadium	500	504	101						
Zinc	500	512	102						
Cyanide									

NOTE: SOLID LCS UNAVAILABLE
AQUEOUS LCS USED/RON TERPIN IEPA

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8

STANDARD ADDITION RESULTS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Concentration Units: ug/L

	EPA Sample No.	An	Dil	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q
B904886	G101	AS	1	2	10	9	20	18	50	45	2	0.999	
B904888	G103	AS	1	13	10	20	20	29	50	56	14	0.999	
B904890	G104	AS	1	0	10	8	20	16	50	43	0	1.000	
B904891	G105	AS	1	1	10	8	20	16	50	42	0	0.999	
B904901	G503	AS	1	1	10	9	20	17	50	44	1	1.000	
B904892	X101	AS	1	16	10	24	20	35	50	68	14	0.999	
B904893	X103	AS	1	21	10	29	20	41	50	74	18	0.999	
B904894	X102	AS	1	16	10	25	20	36	50	70	14	0.999	
B904886	G101	PB	1	1	10	8	20	15	50	39	1	0.999	
B904886	G101	SB	1	1	10	12	20	22	50	56	-1	1.000	
B904887	G102	SB	1	2	10	11	20	22	50	55	0	0.999	
B904888	G103	SB	1	3	10	9	20	16	50	37	2	1.000	
B904889	G502	SB	1	2	10	11	20	20	50	51	0	0.999	
B904890	G105	SB	1	2	10	11	20	22	50	53	0	1.000	
B904901	G503	SB	1	2	10	9	20	20	50	52	-2	0.998	
B904886	G101	SE	1	0	10	-1	20	-1	50	-1			±
B904888	G103	SE	1	1	10	8	20	17	50	41	1	1.000	
B904891	G105	SE	1	0	10	8	20	15	50	41	0	0.999	

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8

STANDARD ADDITION RESULTS

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

Concentration Units: ug/L

	EPA Sample No.	An	Dil	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q
B904886	G101	TL	1	1	10	6	20	12	50	31	0	0.999	
B904887	G102	TL	1	1	10	8	20	16	50	42	-1	0.999	
B904891	G105	TL	1	0	10	8	20	16	50	44	-2	0.999	
B904901	G503	TL	1	1	10	9	20	18	50	48	0	0.999	

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9

ICP SERIAL DILUTIONS

B904887

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

MONTGOMERY CO# 1350000000

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	253		559				NR
Antimony							NR
Arsenic							NR
Barium	77	B	52		32		P
Beryllium	0.6	U					NR
Cadmium	1.2	U					NR
Calcium	218800		219000		0.11		P
Chromium	11.8	B	3.7				NR
Cobalt	3.9	B					NR
Copper	1.7	U					NR
Iron	782		784				NR
Lead							NR
Magnesium	42400		41480		2.2		P
Manganese	2960		2960		0.0		P
Mercury							NR
Nickel	7.9	B					NR
Potassium	166500		173700	E	4.3		P
Selenium							NR
Silver	2.3	U					NR
Sodium	44680		45050		0.8		P
Thallium							
Vanadium	1.8	U					NR
Zinc	22.5						NR

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9

ICP SERIAL DILUTIONS

B904893

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6

Lab Code: _____ Case No.: _____ SAS No.: _____ MONTGOMERY CO# 1350000000 SDG No.: 4

Matrix (soil/water): _____ Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	64780		62890		2.9		P
Antimony							NR
Arsenic							NR
Barium	1255		1301		3.7		P
Beryllium	5.1		4.8		5.9		P
Cadmium	1.2	U	1.2	U			NR
Calcium	22940		64760		182		P
Chromium	81.4		92.7		13.7		P
Cobalt	23.3		22.5		3.0		P
Copper	75.3		107		42		P
Iron	91940		84000		8.6		P
Lead	53.1		127		139	E	P
Magnesium	10470		11170		6.7		P
Manganese	3803		3595		5.5		P
Mercury							NR
Nickel	67.4		87		29		P
Potassium	4374		5790		32		P
Selenium							NR
Silver	2.3	U	2.3	U			NR
Sodium	205		189		7.8		P
Thallium							NR
Vanadium	150		145		3.3		P
Zinc	263		307		16.7		P

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10
HOLDING TIMES

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO# 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

EPA Sample No.	Matrix	Date Received	Mercury Prep Date	Mercury Holding Time	Cyanide Prep Date	Cyanide Holding Time	
G101	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904886
G102	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904887
G103	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904888
G502	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904889
G104	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904890
G105	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904891
X101	SOIL	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904892
X103	SOIL	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904893
X102	SOIL	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904894
G503	WATER	4/14/89	4/17/89	3 DAYS	4/19/89	5 DAYS	B904901

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11

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

Date: 5/5/89

Flame AA ID Number: _____

Furnace AA ID Number: 1

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.21		200	78	P
Antimony	217.6	BZ	60	2.1	F
Arsenic	193.7	BZ	10	1.2	F
Barium	455.41		200	1.6	P
Beryllium	313.04		5	0.6	P
Cadmium	226.5		5	1.2	P
Calcium	315.80		5000	137	P
Chromium	267.71		10	3.0	P
Cobalt	228.61		50	1.7	P
Copper	324.75		25	1.7	P
Iron	259.94		100	37	P
*Lead	283.3	BZ	5	0.8	F
Magnesium	279.55		5000	92	P
Manganese	257.61		15	1.2	P
Mercury	253.7		0.2	0.05	AV
Nickel	231.60		40	4.3	P
Potassium	766.49		5000	260	P
Selenium	196.0	BZ	5	1.2	F
Silver	328.06		10	2.3	P
Sodium	589.59		5000	57	P
Thallium	276.80	BZ	10	0.9	F
Vanadium	311.07		50	1.8	P
Zinc	213.86		20	11	P

Comments:

* Lead, 283.3 nm IDL 13ug/l ICP

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12A

ICP INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: ILLINOIS EPA CHAMPAIGN LAB

Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4

ICP ID Number: 1

Date: 5/5/89

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al 500000 ug/l	Ca 500000 ug/l	Fe 200000 ug/l	Mg 500000 ug/l	—
Aluminum	308.21	-	403	50	624	
Antimony						
Arsenic						
Barium	455.41	5	2	0.6	0.6	
Beryllium	313.04	0.6	1.7	0.15	0.8	
Cadmium	226.50	38	7	67	13	
Calcium	315.80	162	-	56	180	
Chromium	267.71	4	7	29	94	
Cobalt	228.61	13	12	40	26	
Copper	324.75	14	7	7	5	
Iron	259.94	110	45	-	120	
Lead	283.3	1350	110	156	175	
Magnesium	279.55	93	200	28	-	
Manganese	257.61	13	1	87	30	
Mercury						
Nickel	231.60	15	18	70	44	
Potassium	766.49	90	23	118	10	
Selenium						
Silver	328.06	1	5	2	2	
Sodium	589.59	75	26	140	51	
Thallium						
Vanadium	311.07	17	10	14	13	
Zinc	213.86	45	6	40	29	

Comments:

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13
ICP LINEAR RANGES (QUARTERLY)

Lab Name: ILLINOIS EPA CHAMPAIGN LAB
Contract: NOKOMIS PUBLIC WELL #6 MONTGOMERY CO # 1350000000
Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 4
ICP ID Number: 1
Date: 5/5/89

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	3 X 8	50150	P
Antimony			
Arsenic			
Barium	3 X 8	2023	P
Beryllium	3 X 8	997	P
Cadmium	3 X 8	1006	P
Calcium	3 X 8	490000	P
Chromium	3 X 8	1002	P
Cobalt	3 X 8	1013	P
Copper	3 X 8	991	P
Iron	3 X 8	50520	P
Lead	3 X 8	1002	P
Magnesium	3 X 8	246300	P
Manganese	3 X 8	5028	P
Mercury			
Nickel	3 X 8	1008	P
Potassium	3 X 8	74400	P
Selenium			
Silver	3 X 8	1004	P
Sodium	3 X 8	510200	P
Thallium			
Vanadium	3 X 8	1001	P
Zinc	3 X 8	1007	P

Comments: