L1970450022 - Will County
Matheson Gas Products
ILD148348287
SF/HRS
Volume 2 of 2

EPA Region 5 Records Ctr.
375348

CERCLA
Screening Site Inspection Analytical Results

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

RELEASED
DATE 9/12/96
RIN # 2324
INITIALS Q P

Confidential Material May be Enclosed

APPENDIX G

ANALYTICAL RESULTS FROM IEPA COLLECTED SAMPLES

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

MEMORANDUM

DATE: August 26, 1991

TO: Al Kirwin

FROM: Bob Staber & Jim Shaw Bob Staber Jim Shaw

SUBJECT: Review of Data Package
Matheson Gas

The Division of Laboratories Quality Assurance Section has reviewed the above referenced data package. The package was for 3 water samples, 9 soil samples and 1 trip blank taken on June 5, 1991, for the target compound list. The samples were analyzed at the IEPA laboratories in Springfield (organics) and in Champaign (inorganics). The results are valid as qualified on the attached Forms 1.

attachments

cc: John Hurley
Karl Reed
Tom Crause

RECEIVED
AUG 27 1991
IEPA-DLPC-PEORIA

Printed on Recycled Paper

Illinois Environmental Protection Agency
Springfield Organics Laboratory
825 N. Rutledge
Springfield, Illinois 62702
217-782-9780

CASE NARRATIVE

Matheson Gas

Sample Identification	IEPA Sample Number
G201	D193361
G202	D193362
G203	D193363
VBLKTB	D193364
X101	D193365
X102	D193366
X103	D193367
X104	D193368
X105	D193369
X106	D193370
X107	D193371
X108	D193372
X109	D193373

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IEPA LABORATORIES
Manager's Office

Samples X104, X105, X106 and X107 were tar-like. No pH or percent water was done on these.

VOLATILE FRACTION

Fluorobenzene is used as an additional internal standard to calculate TIC compounds. The retention time for this compound is approximately 6:10 or 460 scans.

The matix spikes/matrix spike duplicates are spiked with the entire volatile standard.

2.0 grams of sample X107 was extracted and analyzed rather than 4.0 grams becaused the sample foamed badly. This was approved by Ron Turpin On 06/10/91.

X103 is a low level sample but used as a medium level matrix spike.

G202MS/G202MSD and X103MSD had one surrogate outside of QC limits. The duplicate may be counted as a reextraction according to USEPA.

The samples on Form 8A 06/07/91 are listed as medium level. Samples VBLKS2 and X101MS/X101MSD are low level. GG

SEMIVOLATILE FRACTION

The samples were extracted within the holding times but the extracts were analyzed more than 40 days after VTSR.

All reanalyzed samples are reruns of the initial extraction.

Samples were not reextracted as required by the SOW because sample extraction hold times were exceeded.

X109MSD has two surrogates outside of QC limits. The duplicate may be counted as a reextraction according to USEPA.

X107 had one internal standard outside of the QC limits. Subsequent runs of X107RE and X104MS/X104MSD had all internal standards outside of the limits. This was due to the effect of the high organic content of X107 on the column. The column and injectors were removed and serviced.

PESTICIDE FRACTION

No problems to report.

John Hurley
Laboratory Manager

8-9-91
Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) WATER Lab Sample ID: D193361

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610PK08

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

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

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

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) WATER Lab Sample ID: D193361

ample wt/vol: 1000 (g/mL) ML Lab File ID: A0723W04

evel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) WATER Lab Sample ID: D193361

ample wt/vol: 1000 (g/mL) ML Lab File ID: A0723W04

evel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

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

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G201

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

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

Matrix: (soil/water): Water Lab Sample ID: D193361

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

Level: (low/med) low Date Received: 06/05/91

% Moisture: not dec. --- dec. --- Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 07/12/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G201

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) WATER Lab Sample ID: D193361

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK08

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G201

o Name: ILLINOIS EPA Contract: 1970000000

o Mode: SPELD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) WATER Lab Sample ID: D193361

mple wt/vol: 1000 (g/mL) ML Lab File ID: A0723W04

vel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

mber TICs Found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.52	15	BAJ
2.	UNKNOWN	7.93	8.4	BJ
3.	UNKNOWN	9.60	2.7	BJ
4	UNKNOWN	12.07	1.8	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) WATER Lab Sample ID: D193362

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G202

Lab Name: ILLINOIS EPA Contract: 1370000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D193366

Matrix: (soil/water) WATER Lab Sample ID: D193362

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

ab Name: ILLINOIS EPA Contract: 1970000000

a Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix (soil/water) WATER Lab Sample ID: D193362

ample wt/vol: 1000 (g/mL) ML Lab File ID: A0723W05

evel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) WATER Lab Sample ID: D193362

ample wt/vol: 1000 (g/mL) ML Lab File ID: A0723W05

evel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

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

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G202

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

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

Matrix: (soil/water): Water Lab Sample ID: D193362

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

Level: (low/med) low Date Received: 06/05/91

% Moisture: not dec. --- dec. --- Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 07/12/91

GPC Cleanup: (Y/N) N pH: 7.0 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
[illegible]-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
5103-71-9	alpha-Chlordane	0.50	U
5106-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	1.00	U
12674-11-2	Arochlor-1016	0.50	U
11104-28-2	Aroclor-1221	0.50	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G202

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) WATER Lab Sample ID: D193362

ample wt/vol: 1000 (g/mL) ML Lab File ID: A0723W05

evel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

umber TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.53	10	BAJ
2.	UNKNOWN	7.95	8.1	BJ
3.	UNKNOWN	9.64	2.1	BJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) WATER Lab Sample ID: D193363

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK07

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

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

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Name: ILLINOIS EPA Contract: 1970000000

Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) WATER Lab Sample ID: D193363

mple wt/vol: 1000 (g/mL) ML Lab File ID: A0723W06

vel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) WATER Lab Sample ID: D193363

mple wt/vol: 1000 (g/mL) ML Lab File ID: A0723W06

vel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

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

1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

G203

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

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

Matrix: (soil/water): Water Lab Sample ID: D193363

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

Level: (Low/med) low Date Received: 06/05/91

% Moisture: not dec. --- dec. --- Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SepF Date Analyzed: 07/12/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1

2

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D193336

Matrix: (soil/water) WATER Lab Sample ID: D193363

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK07

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G203

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPELD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) WATER Lab Sample ID: D193363

ample wt/vol: 1000 (g/mL) ML Lab File ID: A0723W06

evel: (low/med) LOW Date Received: 06/04/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 07/23/91

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

umber TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.53	12	BAJ
2.	UNKNOWN	7.95	8.0	BJ
3.	UNKNOWN	9.62	2.0	BJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: EPFLI Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193365

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606L004

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 19 Date Analyzed: 06/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	7	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	7	U
75-35-4	1,1-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
540-59-0	1,2-Dichloroethene (total)	7	U
67-66-3	Chloroform	7	U
107-06-2	1,2-Dichloroethane	7	U
78-93-3	2-Butanone	14	~~U~~ R
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
108-05-4	Vinyl Acetate	14	U
75-27-4	Bromodichloromethane	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
79-01-6	Trichloroethene	7	U
124-48-1	Dibromochloromethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
71-43-2	Benzene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
75-25-2	Bromoform	7	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
108-88-3	Toluene	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
100-42-5	Styrene	7	U
1330-20-7	Xylene (total)	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193365

ample wt/vol: 30.3 (g/mL) G Lab File ID: B0723K07

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 29 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	920	U
111-44-4	bis(2-Chloroethyl)Ether	920	U
95-57-8	2-Chlorophenol	920	U
541-73-1	1,3-Dichlorobenzene	920	U
106-46-7	1,4-Dichlorobenzene	920	U
100-51-6	Benzyl Alcohol	920	U
95-50-1	1,2-Dichlorobenzene	920	U
95-48-7	2-Methylphenol	920	U
39638-32-9	bis(2-Chloroisopropyl)Ether	920	U
106-44-5	4-Methylphenol	920	U
621-64-7	N-Nitroso-Di-n-Propylamine	920	U
67-72-1	Hexachloroethane	920	U
98-95-3	Nitrobenzene	920	U
78-59-1	Isophorone	920	U
88-75-5	2-Nitrophenol	920	U
105-67-9	2,4-Dimethylphenol	920	U
65-85-0	Benzoic Acid	4500	U
111-91-1	bis(2-Chloroethoxy)Methane	920	U
120-83-2	2,4-Dichlorophenol	920	U
120-82-1	1,2,4-Trichlorobenzene	920	U
91-20-3	Naphthalene	920	U
106-47-8	4-Chloroaniline	920	U
87-68-3	Hexachlorobutadiene	920	U
59-50-7	4-Chloro-3-Methylphenol	920	U
91-57-6	2-Methylnaphthalene	920	U
77-47-4	Hexachlorocyclopentadiene	920	U
88-06-2	2,4,6-Trichlorophenol	920	U
95-95-4	2,4,5-Trichlorophenol	4500	U
91-58-7	2-Chloronaphthalene	920	U
88-74-4	2-Nitroaniline	4500	U
131-11-3	Dimethyl Phthalate	920	U
208-96-8	Acenaphthylene	920	U
606-20-2	2,6-Dinitrotoluene	920	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193365

ample wt/vol: 30.3 (g/mL) G Lab File ID: B0723K07

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 29 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4500	U
83-32-9	Acenaphthene	920	U
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	920	U
121-14-2	2,4-Dinitrotoluene	920	U
84-66-2	Diethylphthalate	920	U
7005-72-3	4-Chlorophenyl-phenylether	920	U
86-73-7	Fluorene	920	U
100-10-6	4-Nitroaniline	4500	U
534-52-1	4,6-Dinitro-2-Methylphenol	4500	U
86-30-6	N-Nitrosodiphenylamine (1)	920	U
101-55-3	4-Bromophenyl-phenylether	920	U
118-74-1	Hexachlorobenzene	920	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	920	U
120-12-7	Anthracene	920	U
84-74-2	Di-n-Butylphthalate	920	U
206-44-0	Fluoranthene	920 ~~380~~	~~BJU~~
129-00-0	Pyrene	920 ~~280~~	~~BJU~~
85-68-7	Butylbenzylphthalate	920	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)Anthracene	920	U
218-01-9	Chrysene	920	U
117-81-7	bis(2-Ethylhexyl)Phthalate	920	U
117-84-0	Di-n-Octyl Phthalate	920	U
205-99-2	Benzo(b)Fluoranthene	920	U
207-08-9	Benzo(k)Fluoranthene	920	U
50-32-8	Benzo(a)Pyrene	920	U
193-39-5	Indeno(1,2,3-cd)Pyrene	920	U
53-70-3	Dibenz(a,h)Anthracene	920	U
191-24-2	Benzo(g,h,i)Perylene	920	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X101

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193365

Sample wt/vol: 30.330 (g/mL) g Lab File ID:

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec.29 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	23	U
319-85-7	beta-BHC	23	U
319-86-8	delta-BHC	23	U
58-89-9	gamma-BHC (Lindane)	23	U
76-44-8	Heptachlor	23	U
309-00-2	Aldrin	23	U
1024-57-3	Heptachlor epoxide	23	U
959-98-8	Endosulfan I	23	U
60-57-1	Dieldrin	45	U
72-55-9	4,4'-DDE	45	U
72-20-8	Endrin	45	U
33213-65-9	Endosulfan II	45	U
72-54-8	4,4'-DDD	45	U
1031-07-8	Endosulfan sulfate	45	U
50-29-3	4,4'-DDT	45	U
72-43-5	Methoxychlor	230	U
53494-70-5	Endrin ketone	45	U
5103-71-9	alpha-Chlordane	230	U
5106-74-2	gamma-Chlordane	230	U
8001-35-2	Toxaphene	450	U
12674-11-2	Arochlor-1016	230	U
11104-28-2	Aroclor-1221	230	U
11141-16-5	Aroclor-1232	230	U
53469-21-9	Aroclor-1242	230	U
12672-29-6	Aroclor-1248	230	U
11097-69-1	Aroclor-1254	450	U
11096-82-5	Aroclor-1260	450	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193365

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC04

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 29 Date Analyzed: 06/06/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193365

mple wt/vol: 30.3 (g/mL) G Lab File ID: B0723K07

vel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 29 dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

mber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.87	15000	BAJ
2.	UNKNOWN	8.27	490	BJ
3.	UNKNOWN	8.95	150	BJ
4.	UNKNOWN	9.50	170	BJ
5.	UNKNOWN	9.95	190	BJ
6.	UNKNOWN	10.62	120	J
7.	UNKNOWN	14.40	170	J
8.	UNKNOWN ALIP. HYDROCARBON	19.15	56	J
9.	UNKNOWN ALIP. HYDROCARBON	21.70	130	BJ
10.	UNKNOWN ALIP. HYDROCARBON	22.94	70	J
11.	UNKNOWN PHTHALATE	23.74	96	BJ
12.	UNKNOWN	24.39	66	J
13.	UNKNOWN	24.55	240	BJ
14.	UNKNOWN	26.21	89	J
15.	UNKNOWN	28.97	130	BJ
16.	UNKNOWN ALIP. HYDROCARBON	30.07	120	BJ
17.	UNKNOWN ALIP. HYDROCARBON	33.17	240	BJ
18.	UNKNOWN	36.31	77	J
19.	UNKNOWN ALIP. HYDROCARBON	37.84	360	BJ
20.	UNKNOWN	45.06	76	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193366

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC07

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 23 Date Analyzed: 06/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	6	U
67-64-1	Acetone	16	
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	4	~~J~~ R BS
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	6	U
108-88-3	Toluene	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Xylene (total)	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193366

ample wt/vol: 30.1 (g/mL) G Lab File ID: B0723K05

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 23 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	850	U
111-44-4	bis(2-Chloroethyl)Ether	850	U
95-57-8	2-Chlorophenol	850	U
541-73-1	1,3-Dichlorobenzene	850	U
106-46-7	1,4-Dichlorobenzene	850	U
100-51-6	Benzyl Alcohol	850	U
95-50-1	1,2-Dichlorobenzene	850	U
95-48-7	2-Methylphenol	850	U
39638-32-9	bis(2-Chloroisopropyl)Ether	850	U
106-44-5	4-Methylphenol	850	U
621-64-7	N-Nitroso-Di-n-Propylamine	850	U
67-72-1	Hexachloroethane	850	U
98-95-3	Nitrobenzene	850	U
78-59-1	Isophorone	850	U
88-75-5	2-Nitrophenol	850	U
105-67-9	2,4-Dimethylphenol	850	U
65-85-0	Benzoic Acid	4100	U
111-91-1	bis(2-Chloroethoxy)Methane	850	U
120-83-2	2,4-Dichlorophenol	850	U
120-82-1	1,2,4-Trichlorobenzene	850	U
91-20-3	Naphthalene	850	U
106-47-8	4-Chloroaniline	850	U
87-68-3	Hexachlorobutadiene	850	U
59-50-7	4-Chloro-3-Methylphenol	850	U
91-57-6	2-Methylnaphthalene	850	U
77-47-4	Hexachlorocyclopentadiene	850	U
88-06-2	2,4,6-Trichlorophenol	850	U
95-95-4	2,4,5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	850	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethyl Phthalate	850	U
208-96-8	Acenaphthylene	850	U
606-20-2	2,6-Dinitrotoluene	850	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Name: ILLINOIS EPA Contract: 1970000000

Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

rix: (soil/water) SOIL Lab Sample ID: D193366

ple wt/vol: 30.1 (g/mL) G Lab File ID: B0723K05

el: (low/med) LOW Date Received: 06/05/91

oisture: not dec. 23 dec. ____ Date Extracted: 06/07/91

raction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

Clearup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4100	U
83-32-9	Acenaphthene	850	U
51-28-5	2,4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	850	U
121-14-2	2,4-Dinitrotoluene	850	U
84-66-2	Diethylphthalate	850	U
7005-72-3	4-Chlorophenyl-phenylether	850	U
86-73-7	Fluorene	850	U
100-10-6	4-Nitroaniline	4100	U
534-52-1	4,6-Dinitro-2-Methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine (1)	850	U
101-55-3	4-Bromophenyl-phenylether	850	U
118-74-1	Hexachlorobenzene	850	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	850	U
120-12-7	Anthracene	850	U
84-74-2	Di-n-Butylphthalate	850	U
206-44-0	Fluoranthene	850 ~~230~~	~~B~~ U
129-00-0	Pyrene	850	U
85-68-7	Butylbenzylphthalate	850	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	850	U
218-01-9	Chrysene	850	U
117-81-7	bis(2-Ethylhexyl)Phthalate	850	U
117-84-0	Di-n-Octyl Phthalate	850	U
205-99-2	Benzo(b)Fluoranthene	850	U
207-08-9	Benzo(k)Fluoranthene	850	U
50-32-8	Benzo(a)Pyrene	850	U
193-39-5	Indeno(1,2,3-cd)Pyrene	850	U
53-70-3	Dibenz(a,h)Anthracene	850	U
191-24-2	Benzo(g,h,i)Perylene	850	U

) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X102

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193366

Sample wt/vol: 30.020 (g/mL) g Lab File ID:

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec.24 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC (Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	21	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	42	U
72-43-5	Methoxychlor	210	U
53494-70-5	Endrin ketone	42	U
5103-71-9	alpha-Chlordane	210	U
5106-74-2	gamma-Chlordane	210	U
8001-35-2	Toxaphene	420	U
12674-11-2	Arochlor-1016	210	U
11104-28-2	Aroclor-1221	210	U
11141-16-5	Aroclor-1232	210	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	210	U
11097-69-1	Aroclor-1254	420	U
11096-82-5	Aroclor-1260	420	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193366

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC07

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 23 Date Analyzed: 06/06/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193366

mple wt/vol: 30.1 (g/mL) G Lab File ID: B0723K05

vel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 23 dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

mber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.83	190	BAJ
2.	UNKNOWN	16.60	68	J
3.	UNKNOWN	16.87	330	J
4.	UNKNOWN	16.95	200	J
5.	UNKNOWN	18.25	290	J
6.	UNKNOWN	18.99	150	J
7.	UNKNOWN ALIP. HYDROCARBON	19.14	65	J
8.	UNKNOWN	19.90	79	J
9.	UNKNOWN	19.95	64	J
10.	UNKNOWN ALIP. HYDROCARBON	20.42	62	J
11.	UNKNOWN ALIP. HYDROCARBON	21.02	64	J
12.	UNKNOWN	21.49	210	J
13.	UNKNOWN ALIP. HYDROCARBON	21.64	82	J
14.	UNKNOWN ALIP. HYDROCARBON	21.72	160	J
15.	HEXATHIEPANE	22.64	390	J
16.	UNKNOWN ALIP. HYDROCARBON	22.94	83	J
17.	UNKNOWN PHTHALATE	23.74	65	BJ
18.	UNKNOWN	28.97	76	BJ
19.	UNKNOWN ALIP. HYDROCARBON	33.17	64	BJ
20.	UNKNOWN ALIP. HYDROCARBON	37.84	370	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193366

ample wt/vol: 30.1 (g/mL) G Lab File ID: B0725K03

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 23 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	850	U
111-44-4	bis(2-Chloroethyl)Ether	850	U
95-57-8	2-Chlorophenol	850	U
541-73-1	1,3-Dichlorobenzene	850	U
106-46-7	1,4-Dichlorobenzene	850	U
100-51-6	Benzyl Alcohol	850	U
95-50-1	1,2-Dichlorobenzene	850	U
95-48-7	2-Methylphenol	850	U
39638-32-9	bis(2-Chloroisopropyl)Ether	850	U
106-44-5	4-Methylphenol	850	U
621-64-7	N-Nitroso-Di-n-Propylamine	850	U
67-72-1	Hexachloroethane	850	U
98-95-3	Nitrobenzene	850	U
78-59-1	Isophorone	850	U
88-75-5	2-Nitrophenol	850	U
105-67-9	2,4-Dimethylphenol	850	U
65-85-0	Benzoic Acid	4100	U
111-91-1	bis(2-Chloroethoxy)Methane	850	U
120-83-2	2,4-Dichlorophenol	850	U
120-82-1	1,2,4-Trichlorobenzene	850	U
91-20-3	Naphthalene	850	U
106-47-8	4-Chloroaniline	850	U
87-68-3	Hexachlorobutadiene	850	U
59-50-7	4-Chloro-3-Methylphenol	850	U
91-57-6	2-Methylnaphthalene	850	U
77-47-4	Hexachlorocyclopentadiene	850	U
88-06-2	2,4,6-Trichlorophenol	850	U
95-95-4	2,4,5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	850	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethyl Phthalate	850	U
208-96-8	Acenaphthylene	850	U
606-20-2	2,6-Dinitrotoluene	850	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

b Name: ILLINOIS EPA Contract: 1970000000

b C de: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193366

mple wt/vol: 30.1 (g/mL) G Lab File ID: B0725K03

vel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 23 dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4100	U
83-32-9	Acenaphthene	850	U
51-28-5	2,4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	850	U
121-14-2	2,4-Dinitrotoluene	850	U
84-66-2	Diethylphthalate	850	U
7005-72-3	4-Chlorophenyl-phenylether	850	U
86-73-7	Fluorene	850	U
100-10-6	4-Nitroaniline	4100	U
534-52-1	4,6-Dinitro-2-Methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine (1)	850	U
101-55-3	4-Bromophenyl-phenylether	850	U
118-74-1	Hexachlorobenzene	850	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	850	U
120-12-7	Anthracene	850	U
84-74-2	Di-n-Butylphthalate	850	U
206-44-0	Fluoranthene	850	U
129-00-0	Pyrene	850	U
85-68-7	Butylbenzylphthalate	850	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	850	U
218-01-9	Chrysene	850	U
117-81-7	bis(2-Ethylhexyl)Phthalate	850	U
117-84-0	Di-n-Octyl Phthalate	850	U
205-99-2	Benzo(b)Fluoranthene	850	U
207-08-9	Benzo(k)Fluoranthene	850	U
50-32-8	Benzo(a)Pyrene	850	U
193-39-5	Indeno(1,2,3-cd)Pyrene	850	U
53-70-3	Dibenz(a,h)Anthracene	850	U
191-24-2	Benzo(g,h,i)Perylene	850	U

1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X102RE

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPELD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193366

mple wt/vol: 30.1 (g/mL) G Lab File ID: B0725K03

vel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 23 dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

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

mber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.72	290	BAJ
2.	UNKNOWN	16.69	610	J
3.	UNKNOWN	16.80	140	J
4.	UNKNOWN	18.04	510	J
5.	UNKNOWN	18.80	110	J
6	UNKNOWN ALIP. HYDROCARBON	18.99	93	J
7	UNKNOWN	19.67	95	J
8.	UNKNOWN	19.74	56	J
9.	UNKNOWN ALIP. HYDROCARBON	20.27	73	J
10.	UNKNOWN	20.34	62	J
11.	UNKNOWN ALIP. HYDROCARBON	20.87	65	J
12.	UNKNOWN	21.30	380	J
13.	UNKNOWN ALIP. HYDROCARBON	21.49	97	J
14.	UNKNOWN ALIP. HYDOCARBON	21.57	170	J
15.	HEXATHIEPANE	22.44	450	J
16.	UNKNOWN	28.72	120	J
17.	UNKNOWN ALIP. HYDROCARBON	29.79	81	J
18.	UNKNOWN	31.72	55	J
19.	UNKNOWN ALIP. HYDROCARBON	32.72	120	J
20.	UNKNOWN ALIP. HYDROCARBON	37.14	650	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193367

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC05

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 16 Date Analyzed: 06/08/91

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

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193367

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0723K06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	780	U
111-44-4	bis(2-Chloroethyl)Ether	780	U
95-57-8	2-Chlorophenol	780	U
541-73-1	1,3-Dichlorobenzene	780	U
106-46-7	1,4-Dichlorobenzene	780	U
100-51-6	Benzyl Alcohol	780	U
95-50-1	1,2-Dichlorobenzene	780	U
95-48-7	2-Methylphenol	780	U
39638-32-9	bis(2-Chloroisopropyl)Ether	780	U
106-44-5	4-Methylphenol	780	U
621-64-7	N-Nitroso-Di-n-Propylamine	780	U
67-72-1	Hexachloroethane	780	U
98-95-3	Nitrobenzene	780	U
78-59-1	Isophorone	780	U
88-75-5	2-Nitrophenol	780	U
105-67-9	2,4-Dimethylphenol	780	U
65-85-0	Benzoic Acid	660	J
111-91-1	bis(2-Chloroethoxy)Methane	780	U
120-83-2	2,4-Dichlorophenol	780	U
120-82-1	1,2,4-Trichlorobenzene	780	U
91-20-3	Naphthalene	780	U
106-47-8	4-Chloroaniline	780	U
87-68-3	Hexachlorobutadiene	780	U
59-50-7	4-Chloro-3-Methylphenol	780	U
91-57-6	2-Methylnaphthalene	780	U
77-47-4	Hexachlorocyclopentadiene	780	U
88-06-2	2,4,6-Trichlorophenol	780	U
95-95-4	2,4,5-Trichlorophenol	3800	U
91-58-7	2-Chloronaphthalene	780	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethyl Phthalate	780	U
208-96-8	Acenaphthylene	780	U
606-20-2	2,6-Dinitrotoluene	780	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193367

Sample wt/vol: 30.2 (g/mL) G Lab File ID: B0723K06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3800	U
83-32-9	Acenaphthene	780	U
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	U
132-64-9	Dibenzofuran	780	U
121-14-2	2,4-Dinitrotoluene	780	U
84-66-2	Diethylphthalate	780	U
7005-72-3	4-Chlorophenyl-phenylether	780	U
86-73-7	Fluorene	780	U
100-10-6	4-Nitroaniline	3800	U
534-52-1	4,6-Dinitro-2-Methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	780	U
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	780	U
120-12-7	Anthracene	780	U
84-74-2	Di-n-Butylphthalate	780	U
206-44-0	Fluoranthene	780	U
129-00-0	Pyrene	780	U
85-68-7	Butylbenzylphthalate	780	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	780	U
218-01-9	Chrysene	780	U
117-81-7	bis(2-Ethylhexyl)Phthalate	~~780~~ 470	~~B~~ 54 B
117-84-0	Di-n-Octyl Phthalate	780	U
205-99-2	Benzo(b)Fluoranthene	780	U
207-08-9	Benzo(k)Fluoranthene	780	U
50-32-8	Benzo(a)Pyrene	780	U
193-39-5	Indeno(1,2,3-cd)Pyrene	780	U
53-70-3	Dibenz(a,h)Anthracene	780	U
191-24-2	Benzo(g,h,i)Perylene	780	U

1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X103

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193367

Sample wt/vol: 30.560 (g/mL) g Lab File ID:

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec.17 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	19	U
76-44-8	Heptachlor	19	U
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	19	U
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	38	U
72-55-9	4,4'-DDE	38	U
72-20-8	Endrin	38	U
33213-65-9	Endosulfan II	38	U
72-54-8	4,4'-DDD	38	U
1031-07-8	Endosulfan sulfate	38	U
50-29-3	4,4'-DDT	38	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	38	U
5103-71-9	alpha-Chlordane	190	U
5106-74-2	gamma-Chlordane	190	U
8001-35-2	Toxaphene	380	U
12674-11-2	Arochlor-1016	190	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	380	U
11096-82-5	Aroclor-1260	380	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193367

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC05

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 16 Date Analyzed: 06/06/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193367

mple wt/vol: 30.2 (g/mL) G Lab File ID: B0723K06

vel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 16 dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

mber TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.82	3700	BAJ
2.	UNKNOWN	8.23	100	BJ
3.	UNKNOWN	8.92	61	BJ
4.	UNKNOWN	9.94	67	BJ
5.	UNKNOWN	16.67	130	J
6.	UNKNOWN	19.12	110	J
7.	UNKNOWN	21.54	49	J
8.	UNKNOWN ALIP. HYDROCARBON	21.70	130	BJ
9.	UNKNOWN ALIP. HYDROCARBON	22.79	60	J
10.	UNKNOWN ALIP. HYDROCARBON	22.90	65	J
11.	UNKNOWN	25.24	81	J
12.	UNKNOWN ALIP. HYDROCARBON	25.97	58	J
13.	UNKNOWN	26.11	160	J
14.	UNKNOWN	28.17	46	J
15.	UNKNOWN	28.96	77	BJ
16.	UNKNOWN ALIP. HYDROCARBON	30.07	67	BJ
17.	UNKNOWN ALIP. HYDROCARBON	33.19	100	BJ
18.	UNKNOWN ALIP. HYDROCARBON	37.84	320	BJ
19.	UNKNOWN	45.04	160	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193368

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	84	
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	28	R
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193368

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0724K08

Level: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9800	U
111-44-4	bis(2-Chloroethyl)Ether	9800	U
95-57-8	2-Chlorophenol	9800	U
541-73-1	1,3-Dichlorobenzene	9800	U
106-46-7	1,4-Dichlorobenzene	9800	U
100-51-6	Benzyl Alcohol	9800	U
95-50-1	1,2-Dichlorobenzene	9800	U
95-48-7	2-Methylphenol	9800	U
39638-32-9	bis(2-Chloroisopropyl)Ether	9800	U
106-44-5	4-Methylphenol	9800	U
621-64-7	N-Nitroso-Di-n-Propylamine	9800	U
67-72-1	Hexachloroethane	9800	U
98-95-3	Nitrobenzene	9800	U
78-59-1	Isophorone	9800	U
88-75-5	2-Nitrophenol	9800	U
105-67-9	2,4-Dimethylphenol	9800	U
65-85-0	Benzoic Acid	47000	U
111-91-1	bis(2-Chloroethoxy)Methane	9800	U
120-83-2	2,4-Dichlorophenol	9800	U
120-82-1	1,2,4-Trichlorobenzene	9800	U
91-20-3	Naphthalene	9800	U
106-47-8	4-Chloroaniline	9800	U
87-68-3	Hexachlorobutadiene	9800	U
59-50-7	4-Chloro-3-Methylphenol	9800	U
91-57-6	2-Methylnaphthalene	9800	U
77-47-4	Hexachlorocyclopentadiene	9800	U
88-06-2	2,4,6-Trichlorophenol	9800	U
95-95-4	2,4,5-Trichlorophenol	47000	U
91-58-7	2-Chloronaphthalene	9800	U
88-74-4	2-Nitroaniline	47000	U
131-11-3	Dimethyl Phthalate	9800	U
208-96-8	Acenaphthylene	9800	U
606-20-2	2,6-Dinitrotoluene	9800	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

ab Name: ILLINOIS EPA Contract: 1970000000

al Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix (soil/water) SOIL Lab Sample ID: D193368

ample wt/vol: 2.0 (g/mL) G Lab File ID: B0724K08

evel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

PC Cleanup: (Y/N) Y pH: ____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	47000	U
83-32-9	Acenaphthene	9800	U
51-28-5	2,4-Dinitrophenol	47000	U
100-02-7	4-Nitrophenol	47000	U
132-64-9	Dibenzofuran	9800	U
121-14-2	2,4-Dinitrotoluene	9800	U
84-66-2	Diethylphthalate	9800	U
7005-72-3	4-Chlorophenyl-phenylether	9800	U
86-73-7	Fluorene	9800	U
100-10-6	4-Nitroaniline	47000	U
534-52-1	4,6-Dinitro-2-Methylphenol	47000	U
86-30-6	N-Nitrosodiphenylamine (1)	9800	U
101-55-3	4-Bromophenyl-phenylether	9800	U
118-74-1	Hexachlorobenzene	9800	U
87-86-5	Pentachlorophenol	47000	U
85-01-8	Phenanthrene	9800	U
120-12-7	Anthracene	9800	U
84-74-2	Di-n-Butylphthalate	9800	U
206-44-0	Fluoranthene	9800	U
129-00-0	Pyrene	9800	U
85-68-7	Butylbenzylphthalate	9800	U
91-94-1	3,3'-Dichlorobenzidine	20000	U
56-55-3	Benzo(a)Anthracene	9800	U
218-01-9	Chrysene	5100	J
117-81-7	bis(2-Ethylhexyl)Phthalate	8100	J
117-84-0	Di-n-Octyl Phthalate	9800	U
205-99-2	Benzo(b)Fluoranthene	9800	U
207-08-9	Benzo(k)Fluoranthene	9800	U
50-32-8	Benzo(a)Pyrene	9800	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9800	U
53-70-3	Dibenz(a,h)Anthracene	9800	U
191-24-2	Benzo(g,h,i)Perylene	9800	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X104

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193368

Sample wt/vol: 2.110 (g/mL) g Lab File ID:

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec.0 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	16	U
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	16	U
959-98-8	Endosulfan I	16	U
60-57-1	Dieldrin	32	U
72-55-9	4,4'-DDE	32	U
72-20-8	Endrin	32	U
33213-65-9	Endosulfan II	32	U
72-54-8	4,4'-DDD	32	U
1031-07-8	Endosulfan sulfate	32	U
50-29-3	4,4'-DDT	32	U
72-43-5	Methoxychlor	160	U
53494-70-5	Endrin ketone	32	U
5103-71-9	alpha-Chlordane	160	U
5106-74-2	gamma-Chlordane	160	U
8001-35-2	Toxaphene	320	U
12674-11-2	Arochlor-1016	160	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	160	U
53469-21-9	Aroclor-1242	160	U
12672-29-6	Aroclor-1248	160	U
11097-69-1	Aroclor-1254	320	U
11096-82-5	Aroclor-1260	320	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193368

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 41 Date Analyzed: 06/06/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193368

mple wt/vol: 2.0 (g/mL) G Lab File ID: B0724K08

vel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

C Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

mber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.04	4300	J
2.	UNKNOWN ALIP. HYDROCARBON	21.04	6000	J
3.	UNKNOWN ALIP. HYDROCARBON	21.65	3600	J
4.	UNKNOWN ALIP. HYDROCARBON	21.72	8500	J
5	UNKNOWN	22.27	5900	J
6	UNKNOWN ALIP. HYDROCARBON	22.80	5000	J
7.	UNKNOWN ALIP. HYDROCARBON	22.94	9000	J
8.	UNKNOWN	23.52	5800	J
9.	UNKNOWN ALIP. HYDROCARBON	23.84	4300	J
10.	UNKNOWN ALIP. HYDROCARBON	23.90	6200	J
11.	UNKNOWN	24.50	3600	J
12.	UNKNOWN	24.55	4300	J
13.	UNKNOWN	24.80	5200	J
14.	UNKNOWN ALIP. HYDROCARBON	24.97	4100	J
15.	UNKNOWN	25.16	4300	J
16.	UNKNOWN	25.76	5100	J
17.	UNKNOWN	25.99	8200	J
18.	UNKNOWN	26.87	3600	J
19.	UNKNOWN	27.19	3700	J
20.	UNKNOWN	27.89	5900	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193368

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC06

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 41 Date Analyzed: 06/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	17	U
74-83-9	Bromomethane	17	U
75-01-4	Vinyl Chloride	17	U
75-00-3	Chloroethane	17	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	140	
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
540-59-0	1,2-Dichloroethene (total)	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	48	R BS
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
108-05-4	Vinyl Acetate	17	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	17	U
591-78-6	2-Hexanone	17	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	8	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104RE

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193368

mple wt/vol: 2.0 (g/mL) G Lab File ID: B0724K09

vel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

C Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9800	U
111-44-4	bis(2-Chloroethyl)Ether	9800	U
95-57-8	2-Chlorophenol	9800	U
541-73-1	1,3-Dichlorobenzene	9800	U
106-46-7	1,4-Dichlorobenzene	9800	U
100-51-6	Benzyl Alcohol	9800	U
95-50-1	1,2-Dichlorobenzene	9800	U
95-48-7	2-Methylphenol	9800	U
39638-32-9	bis(2-Chloroisopropyl)Ether	9800	U
106-44-5	4-Methylphenol	9800	U
621-64-7	N-Nitroso-Di-n-Propylamine	9800	U
67-72-1	Hexachloroethane	9800	U
98-95-3	Nitrobenzene	9800	U
78-59-1	Isophorone	9800	U
88-75-5	2-Nitrophenol	9800	U
105-67-9	2,4-Dimethylphenol	9800	U
65-85-0	Benzoic Acid	47000	U
111-91-1	bis(2-Chloroethoxy)Methane	9800	U
120-83-2	2,4-Dichlorophenol	9800	U
120-82-1	1,2,4-Trichlorobenzene	9800	U
91-20-3	Naphthalene	9800	U
106-47-8	4-Chloroaniline	9800	U
87-68-3	Hexachlorobutadiene	9800	U
59-50-7	4-Chloro-3-Methylphenol	9800	U
91-57-6	2-Methylnaphthalene	9800	U
77-47-4	Hexachlorocyclopentadiene	9800	U
88-06-2	2,4,6-Trichlorophenol	9800	U
95-95-4	2,4,5-Trichlorophenol	47000	U
91-58-7	2-Chloronaphthalene	9800	U
88-74-4	2-Nitroaniline	47000	U
131-11-3	Dimethyl Phthalate	9800	U
208-96-8	Acenaphthylene	9800	U
606-20-2	2,6-Dinitrotoluene	9800	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104RE

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193368

nple wt/vol: 2.0 (g/mL) G Lab File ID: B0724K09

vel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

C Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	47000	U
83-32-9	Acenaphthene	9800	U
51-28-5	2,4-Dinitrophenol	47000	U
100-02-7	4-Nitrophenol	47000	U
132-64-9	Dibenzofuran	9800	U
121-14-2	2,4-Dinitrotoluene	9800	U
84-66-2	Diethylphthalate	9800	U
7005-72-3	4-Chlorophenyl-phenylether	9800	U
86-73-7	Fluorene	9800	U
100-10-6	4-Nitroaniline	47000	U
534-52-1	4,6-Dinitro-2-Methylphenol	47000	U
86-30-6	N-Nitrosodiphenylamine (1)	9800	U
101-55-3	4-Bromophenyl-phenylether	9800	U
118-74-1	Hexachlorobenzene	9800	U
87-86-5	Pentachlorophenol	47000	U
85-01-8	Phenanthrene	9800	U
120-12-7	Anthracene	9800	U
84-74-2	Di-n-Butylphthalate	9800	U
206-44-0	Fluoranthene	9800	U
129-00-0	Pyrene	9800	U
85-68-7	Butylbenzylphthalate	9800	U
91-94-1	3,3'-Dichlorobenzidine	20000	U
56-55-3	Benzo(a)Anthracene	9800	U
218-01-9	Chrysene	5400	J
117-81-7	bis(2-Ethylhexyl)Phthalate	8000	J
117-84-0	Di-n-Octyl Phthalate	9800	U
205-99-2	Benzo(b)Fluoranthene	9800	U
207-08-9	Benzo(k)Fluoranthene	9800	U
50-32-8	Benzo(a)Pyrene	9800	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9800	U
53-70-3	Dibenz(a,h)Anthracene	9800	U
191-24-2	Benzo(g,h,i)Perylene	9800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104RE

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193368

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0724K09

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.94	5100	J
2.	UNKNOWN	19.04	7700	J
3.	UNKNOWN ALIP. HYDROCARBON	19.14	2600	J
4.	UNKNOWN ALIP. HYDROCARBON	21.04	4600	J
5.	UNKNOWN ALIP. HYDROCARBON	21.65	2500	J
6.	UNKNOWN ALIP. HYDROCARBON	21.74	6300	J
7.	UNKNOWN	22.27	4400	J
8.	UNKNOWN ALIP. HYDROCARBON	22.94	6300	J
9.	UNKNOWN	23.52	4100	J
10.	UNKNOWN ALIP. HYDROCARBON	23.84	3200	J
11.	UNKNOWN ALIP. HYDROCARBON	23.90	3800	J
12.	UNKNOWN	24.79	3600	J
13.	UNKNOWN ALIP. HYDROCARBON	24.97	3000	J
14.	UNKNOWN	25.16	2900	J
15.	UNKNOWN	25.39	4800	J
16.	UNKNOWN	25.77	3600	J
17.	UNKNOWN	25.99	5800	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: EPFLD Case No.: MATHES SAS No.: _____ SDG No.: D193368

Matrix: (soil/water) SOIL Lab Sample ID: D193369

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0607LC09

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/07/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	620	U
67-64-1	Acetone	1500	
75-15-0	Carbon Disulfide	620	U
75-35-4	1,1-Dichloroethene	620	U
75-34-3	1,1-Dichloroethane	620	U
540-59-0	1,2-Dichloroethene (total)	620	U
67-66-3	Chloroform	620	U
107-06-2	1,2-Dichloroethane	620	U
78-93-3	2-Butanone	1200	~~U~~ R
71-55-6	1,1,1-Trichloroethane	620	U
56-23-5	Carbon Tetrachloride	620	U
108-05-4	Vinyl Acetate	1200	U
75-27-4	Bromodichloromethane	620	U
78-87-5	1,2-Dichloropropane	620	U
10061-01-5	cis-1,3-Dichloropropene	620	U
79-01-6	Trichloroethene	620	U
124-48-1	Dibromochloromethane	620	U
79-00-5	1,1,2-Trichloroethane	620	U
71-43-2	Benzene	620	U
10061-02-6	trans-1,3-Dichloropropene	620	U
75-25-2	Bromoform	620	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U
108-88-3	Toluene	2200	
108-90-7	Chlorobenzene	620	U
100-41-4	Ethylbenzene	2200	
100-42-5	Styrene	620	U
1330-20-7	Xylene (total)	11000	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193369

ample wt/vol: 2.1 (g/mL) G Lab File ID: B0725K04

evel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

PC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	6800	J
111-44-4	bis(2-Chloroethyl)Ether	9400	U
95-57-8	2-Chlorophenol	9400	U
541-73-1	1,3-Dichlorobenzene	9400	U
106-46-7	1,4-Dichlorobenzene	9400	U
100-51-6	Benzyl Alcohol	9400	U
95-50-1	1,2-Dichlorobenzene	9400	U
95-48-7	2-Methylphenol	9400	U
39638-32-9	bis(2-Chloroisopropyl)Ether	9400	U
106-44-5	4-Methylphenol	9400	U
621-64-7	N-Nitroso-Di-n-Propylamine	9400	U
67-72-1	Hexachloroethane	9400	U
98-95-3	Nitrobenzene	9400	U
78-59-1	Isophorone	9400	U
88-75-5	2-Nitrophenol	9400	U
105-67-9	2,4-Dimethylphenol	9400	U
65-85-0	Benzoic Acid	46000	U
111-91-1	bis(2-Chloroethoxy)Methane	9400	U
120-83-2	2,4-Dichlorophenol	9400	U
120-82-1	1,2,4-Trichlorobenzene	9400	U
91-20-3	Naphthalene	14000	
106-47-8	4-Chloroaniline	9400	U
87-68-3	Hexachlorobutadiene	9400	U
59-50-7	4-Chloro-3-Methylphenol	9400	U
91-57-6	2-Methylnaphthalene	51000	
77-47-4	Hexachlorocyclopentadiene	9400	U
88-06-2	2,4,6-Trichlorophenol	9400	U
95-95-4	2,4,5-Trichlorophenol	46000	U
91-58-7	2-Chloronaphthalene	9400	U
88-74-4	2-Nitroaniline	46000	U
131-11-3	Dimethyl Phthalate	9400	U
208-96-8	Acenaphthylene	9400	U
606-20-2	2,6-Dinitrotoluene	9400	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X105

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193369

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0607LC09

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/07/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.20	4100	J
2.	UNKNOWN	9.84	1800	J
3.	UNKNOWN	10.70	1700	J
4.	UNKNOWN ALIP. HYDROCARBON	12.30	8600	J
5.	UNKNOWN	14.85	2400	J
6.	UNKNOWN	16.30	1800	J
7.	UNKNOWN	16.74	1400	J
8.	UNKNOWN	17.77	2800	J
9.	UNKNOWN ALIP. HYDROCARBON	19.44	24000	J
10.	UNKNOWN	19.82	1700	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO

X105

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193369

Sample wt/vol: 2.020 (g/mL) g Lab File ID:

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not 0 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	240	U
319-85-7	beta-BHC	240	U
319-86-8	delta-BHC	240	U
58-89-9	gamma-BHC (Lindane)	240	U
76-44-8	Heptachlor	240	U
309-00-2	Aldrin	240	U
1024-57-3	Heptachlor epoxide	240	U
959-98-8	Endosulfan I	240	U
60-57-1	Dieldrin	480	U
72-55-9	4,4'-DDE	480	U
72-20-8	Endrin	480	U
33213-65-9	Endosulfan II	480	U
72-54-8	4,4'-DDD	480	U
1031-07-8	Endosulfan sulfate	480	U
50-29-3	4,4'-DDT	480	U
72-43-5	Methoxychlor	2400	U
53494-70-5	Endrin ketone	480	U
5103-71-9	alpha-Chlordane	2400	U
5106-74-2	gamma-Chlordane	2400	U
8001-35-2	Toxaphene	4800	U
12674-11-2	Arochlor-1016	2400	U
11104-28-2	Aroclor-1221	2400	U
11141-16-5	Aroclor-1232	2400	U
53469-21-9	Aroclor-1242	2400	U
12672-29-6	Aroclor-1248	2400	U
11097-69-1	Aroclor-1254	4800	U
11096-82-5	Aroclor-1260	4800	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193369

Sample wt/vol: 2.1 (g/mL) G Lab File ID: B0725K04

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) Y pH: ____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	46000	U
83-32-9	Acenaphthene	9400	U
51-28-5	2,4-Dinitrophenol	46000	U
100-02-7	4-Nitrophenol	46000	U
132-64-9	Dibenzofuran	9400	U
121-14-2	2,4-Dinitrotoluene	9400	U
84-66-2	Diethylphthalate	9400	U
7005-72-3	4-Chlorophenyl-phenylether	9400	U
86-73-7	Fluorene	9400	U
100-10-6	4-Nitroaniline	46000	U
534-52-1	4,6-Dinitro-2-Methylphenol	46000	U
86-30-6	N-Nitrosodiphenylamine (1)	9400	U
101-55-3	4-Bromophenyl-phenylether	9400	U
118-74-1	Hexachlorobenzene	9400	U
87-86-5	Pentachlorophenol	46000	U
85-01-8	Phenanthrene	48000	
120-12-7	Anthracene	9400	U
84-74-2	Di-n-Butylphthalate	9400	U
206-44-0	Fluoranthene	9400	U
129-00-0	Pyrene	9400	U
85-68-7	Butylbenzylphthalate	9400	U
91-94-1	3,3'-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)Anthracene	9400	U
218-01-9	Chrysene	9400	U
117-81-7	bis(2-Ethylhexyl)Phthalate	9400	U
117-84-0	Di-n-Octyl Phthalate	9400	U
205-99-2	Benzo(b)Fluoranthene	9400	U
207-08-9	Benzo(k)Fluoranthene	9400	U
50-32-8	Benzo(a)Pyrene	9400	U
193-39-5	Indeno(1,2,3-cd)Pyrene	9400	U
53-70-3	Dibenz(a,h)Anthracene	9400	U
191-24-2	Benzo(g,h,i)Perylene	9400	U

1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X105

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193369

Sample wt/vol: 2.020 (g/mL) g Lab File ID:

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec.0 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	16	U
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	16	U
959-98-8	Endosulfan I	16	U
60-57-1	Dieldrin	32	U
72-55-9	4,4'-DDE	32	U
72-20-8	Endrin	32	U
33213-65-9	Endosulfan II	32	U
72-54-8	4,4'-DDD	32	U
1031-07-8	Endosulfan sulfate	32	U
50-29-3	4,4'-DDT	32	U
72-43-5	Methoxychlor	160	U
53494-70-5	Endrin ketone	32	U
5103-71-9	alpha-Chlordane	160	U
5106-74-2	gamma-Chlordane	160	U
8001-35-2	Toxaphene	320	U
12674-11-2	Arochlor-1016	160	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	160	U
53469-21-9	Aroclor-1242	160	U
12672-29-6	Aroclor-1248	160	U
11097-69-1	Aroclor-1254	320	U
11096-82-5	Aroclor-1260	320	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193369

Sample wt/vol: 2.1 (g/mL) G Lab File ID: B0725K04

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/25/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	BENZALDEHYDE	10.49	12000	BJ
2.	UNKNOWN ALIP. HYDROCARBON	13.02	19000	J
3.	UNKNOWN ALIP. HYDROCARBON	16.22	20000	J
4.	UNKNOWN ALIP. HYDROCARBON	19.02	23000	J
5.	TRIMETHYL NAPHTHALENE	19.74	9100	J
6.	UNKNOWN ALIP. HYDROCARBON	20.29	21000	J
7.	UNKNOWN ALIP. HYDROCARBON	20.90	12000	J
8.	UNKNOWN ALIP. HYDROCARBON	21.52	19000	J
9.	UNKNOWN ALIP. HYDROCARBON	21.59	11000	J
10.	UNKNOWN ALIP. HYDROCARBON	22.67	17000	J
11.	UNKNOWN ALIP. HYDROCARBON	22.79	13000	J
12.	UNKNOWN ALIP. HYDROCARBON	23.77	14000	J
13.	METHYL DIBENZOTHIOPHENE	23.89	8500	J
14.	UNKNOWN ALIP. HYDROCARBON	24.82	13000	J
15.	UNKNOWN	25.62	11000	J
16.	UNKNOWN ALIP. HYDROCARBON	25.82	16000	J
17.	UNKNOWN	26.72	8900	J
18.	UNKNOWN ALIP. HYDROCARBON	26.81	9100	J
19.	UNKNOWN ALIP. HYDROCARBON	27.72	9400	J
20.	UNKNOWN ALIP. HYDROCARBON	29.84	8200	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193370

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0607LC11

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. _____ Date Analyzed: 06/07/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	260	J
67-64-1	Acetone	490	J
75-15-0	Carbon Disulfide	620	U
75-35-4	1,1-Dichloroethene	620	U
75-34-3	1,1-Dichloroethane	620	U
540-59-0	1,2-Dichloroethene (total)	620	U
67-66-3	Chloroform	620	U
107-06-2	1,2-Dichloroethane	620	U
78-93-3	2-Butanone	1200	~~U~~R
71-55-6	1,1,1-Trichloroethane	620	U
56-23-5	Carbon Tetrachloride	620	U
108-05-4	Vinyl Acetate	1200	U
75-27-4	Bromodichloromethane	620	U
78-87-5	1,2-Dichloropropane	620	U
10061-01-5	cis-1,3-Dichloropropene	620	U
79-01-6	Trichloroethene	620	U
124-48-1	Dibromochloromethane	620	U
79-00-5	1,1,2-Trichloroethane	620	U
71-43-2	Benzene	2800	
10061-02-6	trans-1,3-Dichloropropene	620	U
75-25-2	Bromoform	620	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U
108-88-3	Toluene	1900	
108-90-7	Chlorobenzene	620	U
100-41-4	Ethylbenzene	1400	
100-42-5	Styrene	620	U
1330-20-7	Xylene (total)	10000	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X115

Lab Name: ILLINOIS EPA Contract: 197000000

Lab Code: EPLD Case No.: MATHES SAS No.: _____ SDG No.: D193E

Matrix: (soil/water) SOIL Lab Sample ID: D193370

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0729K03

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9600	UJ
111-44-4	bis(2-Chloroethyl)Ether	9600	UJ
95-57-8	2-Chlorophenol	9600	UJ
541-73-1	1,3-Dichlorobenzene	9600	UJ
106-46-7	1,4-Dichlorobenzene	9600	UJ
100-51-6	Benzyl Alcohol	9600	UJ
95-50-1	1,2-Dichlorobenzene	9600	UJ
95-48-7	2-Methylphenol	9600	UJ
39638-32-9	bis(2-Chloroisopropyl)Ether	9600	UJ
106-44-5	4-Methylphenol	9600	UJ
621-64-7	N-Nitroso-Di-n-Propylamine	9600	UJ
67-72-1	Hexachloroethane	9600	UJ
98-95-3	Nitrobenzene	9600	UJ
78-59-1	Isophorone	9600	UJ
88-75-5	2-Nitrophenol	9600	UJ
105-67-9	2,4-Dimethylphenol	9600	UJ
65-85-0	Benzoic Acid	47000	UJ
111-91-1	bis(2-Chloroethoxy)Methane	9600	UJ
120-83-2	2,4-Dichlorophenol	9600	UJ
120-82-1	1,2,4-Trichlorobenzene	9600	UJ
91-20-3	Naphthalene	28000	J
106-47-8	4-Chloroaniline	9600	UJ
87-68-3	Hexachlorobutadiene	9600	UJ
59-50-7	4-Chloro-3-Methylphenol	9600	UJ
91-57-6	2-Methylnaphthalene	140000	J
77-47-4	Hexachlorocyclopentadiene	9600	UJ
88-06-2	2,4,6-Trichlorophenol	9600	UJ
95-95-4	2,4,5-Trichlorophenol	47000	UJ
91-58-7	2-Chloronaphthalene	9600	UJ
88-74-4	2-Nitroaniline	47000	UJ
131-11-3	Dimethyl Phthalate	9600	UJ
208-96-8	Acenaphthylene	9600	UJ
606-20-2	2,6-Dinitrotoluene	9600	UJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X106

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193370

Sample wt/vol: 2.160 (g/mL) g Lab File ID:

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not 0 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	240	U
319-85-7	beta-BHC	240	U
319-86-8	delta-BHC	240	U
58-89-9	gamma-BHC (Lindane)	240	U
76-44-8	Heptachlor	240	U
309-00-2	Aldrin	240	U
1024-57-3	Heptachlor epoxide	240	U
959-98-8	Endosulfan I	240	U
60-57-1	Dieldrin	480	U
72-55-9	4,4'-DDE	480	U
72-20-8	Endrin	480	U
33213-65-9	Endosulfan II	480	U
72-54-8	4,4'-DDD	480	U
1031-07-8	Endosulfan sulfate	480	U
50-29-3	4,4'-DDT	270	J
72-43-5	Methoxychlor	2400	U
53494-70-5	Endrin ketone	480	U
5103-71-9	alpha-Chlordane	2400	U
5106-74-2	gamma-Chlordane	2400	U
8001-35-2	Toxaphene	4800	U
12674-11-2	Arochlor-1016	2400	U
11104-28-2	Aroclor-1221	2400	U
11141-16-5	Aroclor-1232	2400	U
53469-21-9	Aroclor-1242	2400	U
12672-29-6	Aroclor-1248	2400	U
11097-69-1	Aroclor-1254	4800	U
11096-82-5	Aroclor-1260	4800	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D193336

Matrix: (soil/water) SOIL Lab Sample ID: D193370

Sample wt/vol: 4.0 (g/mL) G Lab File ID: B0607LC11

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/07/91

Column (pack/cap) CAP Dilution Factor: 1.00

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.35	3900	J
2.	UNKNOWN	4.63	3100	J
3.	UNKNOWN ALIP. HYDROCARBON	7.30	7200	J
4.	UNKNOWN	9.89	2800	J
5.	UNKNOWN	10.77	2500	J
6.	UNKNOWN ALIP. HYDROCARBON	12.37	7800	J
7.	UNKNOWN ALIP. HYDROCARBON	14.90	1900	J
8.	UNKNOWN	15.22	2100	J
9.	UNKNOWN ALIP. HYDROCARBON	17.82	3100	J
10.	UNKNOWN ALIP. HYDROCARBON	19.45	13000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

b Name: ILLINOIS EPA Contract: 1970000000

b Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193370

mple wt/vol: 2.0 (g/mL) G Lab File ID: B0723K03

vel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

C Cleanup: (Y/N) Y pH: ____ Dilution Factor: 0.48

mber TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	11.19	86000	J
2.	UNKNOWN ALIP. HYDROCARBON	13.04	100000	J
3.	UNKNOWN ALIP. HYDROCARBON	15.84	100000	J
4	UNKNOWN ALIP. HYDROCARBON	16.25	160000	J
5.	METHYL NAPHTHALENE	16.77	93000	J
6.	UNKNOWN ALIP. HYDROCARBON	17.39	100000	J
7.	UNKNOWN ALIP. HYDROCARBON	17.70	230000	J
8.	DIMETHYL NAPHTHALENE	18.34	94000	J
9.	UNKNOWN ALIP. HYDROCARBON	18.55	160000	J
10.	UNKNOWN ALIP. HYDROCARBON	19.07	180000	J
11.	UNKNOWN ALIP. HYDROCARBON	19.77	89000	J
12.	TRIMETHYL NAPHTHALENE	19.85	120000	J
13.	UNKNOWN ALIP. HYDROCARBON	20.37	160000	J
14.	UNKNOWN ALIP. HYDROCARBON	20.95	130000	J
15.	UNKNOWN ALIP. HYDROCARBON	21.59	150000	J
16.	UNKNOWN ALIP. HYDROCARBON	21.65	93000	J
17.	UNKNOWN ALIP. HYDROCARBON	22.74	120000	J
18.	UNKNOWN ALIP. HYDROCARBON	23.84	94000	J
19.	UNKNOWN ALIP. HYDROCARBON	24.90	88000	J
20.	UNKNOWN ALIP. HYDROCARBON	29.89	91000	J

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X106

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193370

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0729K03

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) Y pH: ____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	47000	UJ
83-32-9	Acenaphthene	9600	UJ
51-28-5	2,4-Dinitrophenol	47000	UJ
100-02-7	4-Nitrophenol	47000	UJ
132-64-9	Dibenzofuran	9600	UJ
121-14-2	2,4-Dinitrotoluene	9600	UJ
84-66-2	Diethylphthalate	9600	UJ
7005-72-3	4-Chlorophenyl-phenylether	9600	UJ
86-73-7	Fluorene	27000	J
100-10-6	4-Nitroaniline	47000	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	47000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	9600	UJ
101-55-3	4-Bromophenyl-phenylether	9600	UJ
118-74-1	Hexachlorobenzene	9600	UJ
87-86-5	Pentachlorophenol	47000	UJ
85-01-8	Phenanthrene	110000	J
120-12-7	Anthracene	9600	UJ
84-74-2	Di-n-Butylphthalate	9600	UJ
206-44-0	Fluoranthene	9600	UJ
129-00-0	Pyrene	9600	UJ
85-68-7	Butylbenzylphthalate	9600	UJ
91-94-1	3,3'-Dichlorobenzidine	19000	UJ
56-55-3	Benzo(a)Anthracene	9600	UJ
218-01-9	Chrysene	44000	J
117-81-7	bis(2-Ethylhexyl)Phthalate	9600	UJ
117-84-0	Di-n-Octyl Phthalate	9600	UJ
205-99-2	Benzo(b)Fluoranthene	9600	UJ
207-08-9	Benzo(k)Fluoranthene	9600	UJ
50-32-8	Benzo(a)Pyrene	9600	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	9600	UJ
53-70-3	Dibenz(a,h)Anthracene	9600	UJ
191-24-2	Benzo(g,h,i)Perylene	9600	UJ

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X106

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193370

Sample wt/vol: 2.160 (g/mL) g Lab File ID:

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec.0 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	16	U
319-86-8	delta-BHC	16	U
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	16	U
959-98-8	Endosulfan I	16	U
60-57-1	Dieldrin	32	U
72-55-9	4,4'-DDE	32	U
72-20-8	Endrin	32	U
33213-65-9	Endosulfan II	32	U
72-54-8	4,4'-DDD	32	U
1031-07-8	Endosulfan sulfate	32	U
50-29-3	4,4'-DDT	270	
72-43-5	Methoxychlor	160	U
53494-70-5	Endrin ketone	32	U
5103-71-9	alpha-Chlordane	160	U
5106-74-2	gamma-Chlordane	160	U
8001-35-2	Toxaphene	320	U
12674-11-2	Arochlor-1016	160	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	160	U
53469-21-9	Aroclor-1242	160	U
12672-29-6	Aroclor-1248	160	U
11097-69-1	Aroclor-1254	320	U
11096-82-5	Aroclor-1260	320	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193370

ample wt/vol: 2.0 (g/mL) G Lab File ID: B0729K04

evel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

PC Cleanup: (Y/N) Y pH: ____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9600	UJ
111-44-4	bis(2-Chloroethyl)Ether	9600	UJ
95-57-8	2-Chlorophenol	9600	UJ
541-73-1	1,3-Dichlorobenzene	9600	UJ
106-46-7	1,4-Dichlorobenzene	9600	UJ
100-51-6	Benzyl Alcohol	9600	UJ
95-50-1	1,2-Dichlorobenzene	9600	UJ
95-48-7	2-Methylphenol	9600	UJ
39638-32-9	bis(2-Chloroisopropyl)Ether	9600	UJ
106-44-5	4-Methylphenol	9600	UJ
621-64-7	N-Nitroso-Di-n-Propylamine	9600	UJ
67-72-1	Hexachloroethane	9600	UJ
98-95-3	Nitrobenzene	9600	UJ
78-59-1	Isophorone	9600	UJ
88-75-5	2-Nitrophenol	9600	UJ
105-67-9	2,4-Dimethylphenol	9600	UJ
65-85-0	Benzoic Acid	47000	UJ
111-91-1	bis(2-Chloroethoxy)Methane	9600	UJ
120-83-2	2,4-Dichlorophenol	9600	UJ
120-82-1	1,2,4-Trichlorobenzene	9600	UJ
91-20-3	Naphthalene	30000	J
106-47-8	4-Chloroaniline	9600	UJ
87-68-3	Hexachlorobutadiene	9600	UJ
59-50-7	4-Chloro-3-Methylphenol	9600	UJ
91-57-6	2-Methylnaphthalene	130000	J
77-47-4	Hexachlorocyclopentadiene	9600	UJ
88-06-2	2,4,6-Trichlorophenol	9600	UJ
95-95-4	2,4,5-Trichlorophenol	47000	UJ
91-58-7	2-Chloronaphthalene	9600	UJ
88-74-4	2-Nitroaniline	47000	UJ
131-11-3	Dimethyl Phthalate	9600	UJ
208-96-8	Acenaphthylene	9600	UJ
606-20-2	2,6-Dinitrotoluene	9600	UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106RE

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193370

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0729K04

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	47000	UJ
83-32-9	Acenaphthene	9600	UJ
51-28-5	2,4-Dinitrophenol	47000	UJ
100-02-7	4-Nitrophenol	47000	UJ
132-64-9	Dibenzofuran	9600	UJ
121-14-2	2,4-Dinitrotoluene	9600	UJ
84-66-2	Diethylphthalate	9600	UJ
7005-72-3	4-Chlorophenyl-phenylether	9600	UJ
86-73-7	Fluorene	26000	J
100-10-6	4-Nitroaniline	47000	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	47000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	9600	UJ
101-55-3	4-Bromophenyl-phenylether	9600	UJ
118-74-1	Hexachlorobenzene	9600	UJ
87-86-5	Pentachlorophenol	47000	UJ
85-01-8	Phenanthrene	110000	J
120-12-7	Anthracene	9600	UJ
84-74-2	Di-n-Butylphthalate	9600	UJ
206-44-0	Fluoranthene	9600	UJ
129-00-0	Pyrene	9600	UJ
85-68-7	Butylbenzylphthalate	9600	UJ
91-94-1	3,3'-Dichlorobenzidine	19000	UJ
56-55-3	Benzo(a)Anthracene	9600	UJ
218-01-9	Chrysene	42000	J
117-81-7	bis(2-Ethylhexyl)Phthalate	9600	UJ
117-84-0	Di-n-Octyl Phthalate	9600	UJ
205-99-2	Benzo(b)Fluoranthene	9600	UJ
207-08-9	Benzo(k)Fluoranthene	9600	UJ
50-32-8	Benzo(a)Pyrene	9600	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	9600	UJ
53-70-3	Dibenz(a,h)Anthracene	9600	UJ
191-24-2	Benzo(g,h,i)Perylene	9600	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106RE

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193370

ample wt/vol: 2.0 (g/mL) G Lab File ID: B0729K04

evel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

PC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

umber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	11.22	110000	J
2.	UNKNOWN ALIP. HYDROCARBON	13.05	130000	J
3.	UNKNOWN ALIP. HYDROCARBON	15.87	120000	J
4.	UNKNOWN ALIP. HYDROCARBON	16.29	190000	J
5.	METHYL NAPHTHALENE	16.79	100000	J
6.	UNKNOWN	17.04	91000	J
7.	UNKNOWN ALIP. HYDROCARBON	17.74	260000	J
8.	DIMETHYL NAPHTHALENE	18.35	100000	J
9.	UNKNOWN ALIP. HYDROCARBON	18.59	190000	J
10.	UNKNOWN ALIP. HYDROCARBON	19.09	190000	J
11.	UNKNOWN ALIP. HYDROCARBON	19.80	99000	J
12.	UNKNOWN ALIP. HYDROCARBON	20.39	170000	J
13.	UNKNOWN ALIP. HYDROCARBON	21.62	130000	J
14.	UNKNOWN ALIP. HYDROCARBON	21.69	94000	J
15.	UNKNOWN ALIP. HYDROCARBON	22.77	130000	J
16.	UNKNOWN ALIP. HYDROCARBON	22.89	93000	J
17.	UNKNOWN ALIP. HYDROCARBON	23.87	92000	J
18.	UNKNOWN ALIP. HYDROCARBON	24.92	95000	J
19.	UNKNOWN ALIP. HYDROCARBON	28.79	86000	J
20.	UNKNOWN ALIP. HYDROCARBON	29.92	110000	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193371

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0607LC07

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/07/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl Chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	2500	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	2500	~~U~~ R
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
108-05-4	Vinyl Acetate	2500	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	2500	U
591-78-6	2-Hexanone	2500	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	3500	
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	3200	
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	14000	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193371

Sample wt/vol: 2.1 (g/mL) G Lab File ID: B0729K05

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	24000	J
111-44-4	bis(2-Chloroethyl)Ether	9200	UJ
95-57-8	2-Chlorophenol	9200	UJ
541-73-1	1,3-Dichlorobenzene	9200	UJ
106-46-7	1,4-Dichlorobenzene	9200	UJ
100-51-6	Benzyl Alcohol	9200	UJ
95-50-1	1,2-Dichlorobenzene	9200	UJ
95-48-7	2-Methylphenol	9200	UJ
39638-32-9	bis(2-Chloroisopropyl)Ether	9200	UJ
106-44-5	4-Methylphenol	9200	UJ
621-64-7	N-Nitroso-Di-n-Propylamine	9200	UJ
67-72-1	Hexachloroethane	9200	UJ
98-95-3	Nitrobenzene	9200	UJ
78-59-1	Isophorone	9200	UJ
88-75-5	2-Nitrophenol	9200	UJ
105-67-9	2,4-Dimethylphenol	9200	UJ
65-85-0	Benzoic Acid	44000	UJ
111-91-1	bis(2-Chloroethoxy)Methane	9200	UJ
120-83-2	2,4-Dichlorophenol	9200	UJ
120-82-1	1,2,4-Trichlorobenzene	9200	UJ
91-20-3	Naphthalene	13000	J
106-47-8	4-Chloroaniline	9200	UJ
87-68-3	Hexachlorobutadiene	9200	UJ
59-50-7	4-Chloro-3-Methylphenol	9200	UJ
91-57-6	2-Methylnaphthalene	39000	J
77-47-4	Hexachlorocyclopentadiene	9200	UJ
88-06-2	2,4,6-Trichlorophenol	9200	UJ
95-95-4	2,4,5-Trichlorophenol	44000	UJ
91-58-7	2-Chloronaphthalene	9200	UJ
88-74-4	2-Nitroaniline	44000	UJ
131-11-3	Dimethyl Phthalate	9200	UJ
208-96-8	Acenaphthylene	9200	UJ
606-20-2	2,6-Dinitrotoluene	9200	UJ

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

b Name: ILLINOIS EPA Contract: 1970000000

b Mode: SPELD Case No.: MATHES SAS No.: _____ SDG No.: D19336

trix: (soil/water) SOIL Lab Sample ID: D193371

mple wt/vol: 2.1 (g/mL) G Lab File ID: B0729K05

vel: (low/med) MED Date Received: 06/05/91

Moisture not dec. ____ dec. ____ Date Extracted: 06/07/91

traction (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

C Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	44000	UJ
83-32-9	Acenaphthene	9200	UJ
51-28-5	2,4-Dinitrophenol	44000	UJ
100-02-7	4-Nitrophenol	44000	UJ
132-64-9	Dibenzofuran	9200	UJ
121-14-2	2,4-Dinitrotoluene	9200	UJ
84-66-2	Diethylphthalate	9200	UJ
7005-72-3	4-Chlorophenyl-phenylether	9200	UJ
86-73-7	Fluorene	6300	J
100-10-6	4-Nitroaniline	44000	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	44000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	9200	UJ
101-55-3	4-Bromophenyl-phenylether	9200	UJ
118-74-1	Hexachlorobenzene	9200	UJ
87-86-5	Pentachlorophenol	44000	UJ
85-01-8	Phenanthrene	50000	J
120-12-7	Anthracene	9200	UJ
84-74-2	Di-n-Butylphthalate	9200	UJ
206-44-0	Fluoranthene	9200	UJ
129-00-0	Pyrene	9200	UJ
85-68-7	Butylbenzylphthalate	9200	UJ
91-94-1	3,3'-Dichlorobenzidine	18000	UJ
56-55-3	Benzo(a)Anthracene	9200	UJ
218-01-9	Chrysene	9200	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	9200	UJ
117-84-0	Di-n-Octyl Phthalate	9200	UJ
205-99-2	Benzo(b)Fluoranthene	9200	UJ
207-08-9	Benzo(k)Fluoranthene	9200	UJ
50-32-8	Benzo(a)Pyrene	9200	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	9200	UJ
53-70-3	Dibenz(a,h)Anthracene	9200	UJ
191-24-2	Benzo(g,h,i)Perylene	9200	UJ

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X107

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193370

Sample wt/vol: 2.230 (g/mL) g Lab File ID:

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not 0 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	240	U
319-85-7	beta-BHC	240	U
319-86-8	delta-BHC	240	U
58-89-9	gamma-BHC (Lindane)	240	U
76-44-8	Heptachlor	240	U
309-00-2	Aldrin	240	U
1024-57-3	Heptachlor epoxide	240	U
959-98-8	Endosulfan I	240	U
60-57-1	Dieldrin	480	U
72-55-9	4,4'-DDE	480	U
72-20-8	Endrin	480	U
33213-65-9	Endosulfan II	480	U
72-54-8	4,4'-DDD	480	U
1031-07-8	Endosulfan sulfate	480	U
50-29-3	4,4'-DDT	~~270~~ 480	JU
72-43-5	Methoxychlor	2400	U
53494-70-5	Endrin ketone	480	U
5103-71-9	alpha-Chlordane	2400	U
5106-74-2	gamma-Chlordane	2400	U
8001-35-2	Toxaphene	4800	U
12674-11-2	Arochlor-1016	2400	U
11104-28-2	Aroclor-1221	2400	U
11141-16-5	Aroclor-1232	2400	U
53469-21-9	Aroclor-1242	2400	U
12672-29-6	Aroclor-1248	2400	U
11097-69-1	Aroclor-1254	4800	U
11096-82-5	Aroclor-1260	4800	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193371

Sample wt/vol: 2.0 (g/mL) G Lab File ID: B0607LC07

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/07/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.33	3200	J
2.	UNKNOWN	4.63	2600	J
3.	UNKNOWN ALIP. HYDROCARBON	7.28	5200	J
4.	UNKNOWN	9.90	2800	J
5.	UNKNOWN	10.77	1400	J
6.	UNKNOWN ALIP. HYDROCARBON	12.35	20000	J
7.	UNKNOWN	14.89	2800	J
8.	UNKNOWN	16.75	2200	J
9	UNKNOWN ALIP. HYDROCARBON	17.77	2500	J
10	UNKNOWN ALIP. HYDROCARBON	19.44	40000	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193371

Sample wt/vol: 2.1 (g/mL) G Lab File ID: B0729K05

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	BENZALDEHYDE	10.47	86000	BJ
2.	UNKNOWN ALIP. HYDROCARBON	11.17	66000	J
3.	UNKNOWN ALIP. HYDROCARBON	13.00	150000	J
4.	UNKNOWN ALIP. HYDROCARBON	16.22	140000	J
5.	UNKNOWN ALIP. HYDROCARBON	17.67	160000	J
6.	UNKNOWN ALIP. HYDROCARBON	19.02	140000	J
7.	UNKNOWN	19.82	180000	J
8.	UNKNOWN ALIP. HYDROCARBON	20.29	100000	J
9.	UNKNOWN ALIP. HYDROCARBON	21.52	85000	J
10.	UNKNOWN ALIP. HYDROCARBON	22.67	56000	J
11.	UNKNOWN	23.90	72000	J
12.	METHYL PHENANTHRENE	24.65	58000	J
13.	UNKNOWN	25.26	94000	J
14.	UNKNOWN	25.54	83000	J
15.	UNKNOWN	25.67	98000	J
16.	UNKNOWN	25.86	110000	J
17.	UNKNOWN	26.19	63000	J
18.	UNKNOWN	26.57	63000	J
19.	UNKNOWN	26.76	130000	J
20.	TRIMETHYL PHENANTHRENE	27.07	58000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107RE

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193371

ample wt/vol: 2.1 (g/mL) G Lab File ID: B0729K06

evel: (low/med) MED Date Received: 06/05/91

Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

PC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	44000	UJ
83-32-9	Acenaphthene	9200	UJ
51-28-5	2,4-Dinitrophenol	44000	UJ
100-02-7	4-Nitrophenol	44000	UJ
132-64-9	Dibenzofuran	9200	UJ
121-14-2	2,4-Dinitrotoluene	9200	UJ
84-66-2	Diethylphthalate	9200	UJ
7005-72-3	4-Chlorophenyl-phenylether	9200	UJ
86-73-7	Fluorene	6600	J
100-10-6	4-Nitroaniline	44000	UJ
534-52-1	4,6-Dinitro-2-Methylphenol	44000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	9200	UJ
101-55-3	4-Bromophenyl-phenylether	9200	UJ
118-74-1	Hexachlorobenzene	9200	UJ
87-86-5	Pentachlorophenol	44000	UJ
85-01-8	Phenanthrene	47000	J
120-12-7	Anthracene	9200	UJ
84-74-2	Di-n-Butylphthalate	9200	UJ
206-44-0	Fluoranthene	9200	UJ
129-00-0	Pyrene	9200	UJ
85-68-7	Butylbenzylphthalate	9200	UJ
91-94-1	3,3'-Dichlorobenzidine	18000	UJ
56-55-3	Benzo(a)Anthracene	9200	UJ
218-01-9	Chrysene	9200	UJ
117-81-7	bis(2-Ethylhexyl)Phthalate	9200	UJ
117-84-0	Di-n-Octyl Phthalate	9200	UJ
205-99-2	Benzo(b)Fluoranthene	9200	UJ
207-08-9	Benzo(k)Fluoranthene	9200	UJ
50-32-8	Benzo(a)Pyrene	9200	UJ
193-39-5	Indeno(1,2,3-cd)Pyrene	9200	UJ
53-70-3	Dibenz(a,h)Anthracene	9200	UJ
191-24-2	Benzo(g,h,i)Perylene	9200	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107RE

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193371

Sample wt/vol: 2.1 (g/mL) G Lab File ID: B0729K06

Level: (low/med) MED Date Received: 06/05/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/29/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.48

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	13.02	130000	J
2.	UNKNOWN ALIP. HYDROCARBON	16.22	120000	J
3.	UNKNOWN ALIP. HYDROCARBON	17.67	130000	J
4.	UNKNOWN ALIP. HYDROCARBON	19.02	110000	J
5.	UNKNOWN	19.84	130000	J
6.	UNKNOWN	25.26	150000	J
7.	UNKNOWN	25.56	180000	J
8.	UNKNOWN	25.67	150000	J
9.	UNKNOWN ALIP. HYDROCARBON	25.87	310000	J
10.	UNKNOWN	25.94	150000	J
11.	UNKNOWN	26.21	170000	J
12.	UNKNOWN	26.44	150000	J
13.	UNKNOWN	26.59	200000	J
14.	UNKNOWN	26.77	460000	J
15.	UNKNOWN	26.91	350000	J
16.	UNKNOWN	27.07	230000	J
17.	UNKNOWN	27.19	140000	J
18.	UNKNOWN	27.34	130000	J
19.	UNKNOWN ALIP. HYDROCARBON	27.76	120000	J
20.	UNKNOWN	27.92	120000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193372

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC10

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 62 Date Analyzed: 06/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	26	U
74-83-9	Bromomethane	26	U
75-01-4	Vinyl Chloride	26	U
75-00-3	Chloroethane	26	U
75-09-2	Methylene Chloride	6	J
67-64-1	Acetone	170	
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	57	R
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
108-05-4	Vinyl Acetate	26	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	26	U
591-78-6	2-Hexanone	26	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193372

ample wt/vol: 30.4 (g/mL) G Lab File ID: B0723K04

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 62 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1700	U
111-44-4	bis(2-Chloroethyl)Ether	1700	U
95-57-8	2-Chlorophenol	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
100-51-6	Benzyl Alcohol	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-Di-n-Propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	1700	U
65-85-0	Benzoic Acid	8300	U
111-91-1	bis(2-Chloroethoxy)Methane	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
120-82-1	1,2,4-Trichlorobenzene	1700	U
91-20-3	Naphthalene	1700	U
106-47-8	4-Chloroaniline	1700	U
87-68-3	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	1700	U
91-57-6	2-Methylnaphthalene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,5-Trichlorophenol	8300	U
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	8300	U
131-11-3	Dimethyl Phthalate	1700	U
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193372

Sample wt/vol: 30.4 (g/mL) G Lab File ID: B0723K04

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 62 dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	8300	U
83-32-9	Acenaphthene	1700	U
51-28-5	2,4-Dinitrophenol	8300	U
100-02-7	4-Nitrophenol	8300	U
132-64-9	Dibenzofuran	1700	U
121-14-2	2,4-Dinitrotoluene	1700	U
84-66-2	Diethylphthalate	1700	U
7005-72-3	4-Chlorophenyl-phenylether	1700	U
86-73-7	Fluorene	1700	U
100-10-6	4-Nitroaniline	8300	U
534-52-1	4,6-Dinitro-2-Methylphenol	8300	U
86-30-6	N-Nitrosodiphenylamine (1)	1700	U
101-55-3	4-Bromophenyl-phenylether	1700	U
118-74-1	Hexachlorobenzene	1700	U
87-86-5	Pentachlorophenol	8300	U
85-01-8	Phenanthrene	1700	U
120-12-7	Anthracene	1700	U
84-74-2	Di-n-Butylphthalate	1700	U
206-44-0	Fluoranthene	1700	U
129-00-0	Pyrene	1700	U
85-68-7	Butylbenzylphthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	3400	U
56-55-3	Benzo(a)Anthracene	1700	U
218-01-9	Chrysene	1700	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2700	~~B~~ 4 B
117-84-0	Di-n-Octyl Phthalate	1700	U
205-99-2	Benzo(b)Fluoranthene	1700	U
207-08-9	Benzo(k)Fluoranthene	1700	U
50-32-8	Benzo(a)Pyrene	1700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1700	U
53-70-3	Dibenz(a,h)Anthracene	1700	U
191-24-2	Benzo(g,h,i)Perylene	1700	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X108

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193372

Sample wt/vol: 30.120 (g/mL) g Lab File ID:

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec.62 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	42	U
319-85-7	beta-BHC	42	U
319-86-8	delta-BHC	42	U
58-89-9	gamma-BHC (Lindane)	42	U
76-44-8	Heptachlor	42	U
309-00-2	Aldrin	42	U
1024-57-3	Heptachlor epoxide	42	U
959-98-8	Endosulfan I	42	U
60-57-1	Dieldrin	85	U
72-55-9	4,4'-DDE	85	U
72-20-8	Endrin	85	U
33213-65-9	Endosulfan II	85	U
72-54-8	4,4'-DDD	85	U
1031-07-8	Endosulfan sulfate	85	U
50-29-3	4,4'-DDT	85	U
72-43-5	Methoxychlor	420	U
53494-70-5	Endrin ketone	85	U
5103-71-9	alpha-Chlordane	420	U
5106-74-2	gamma-Chlordane	420	U
8001-35-2	Toxaphene	850	U
12674-11-2	Arochlor-1016	420	U
11104-28-2	Aroclor-1221	420	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	850	U
11096-82-5	Aroclor-1260	850	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193372

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC10

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 62 Date Analyzed: 06/06/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

RECEIVED
AUG 29 1991
IEPA-DLPC-PEORIA

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193372

ample wt/vol: 30.4 (g/mL) G Lab File ID: B0723K04

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 62 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/23/91

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

umber TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.83	11000	BAJ
2.	UNKNOWN	8.25	180	BJ
3.	UNKNOWN	8.94	110	BJ
4	UNKNOWN	9.95	200	BJ
5.	UNKNOWN	16.97	110	BJ
6.	UNKNOWN ALIP. HYDROCARBON	19.17	190	J
7.	UNKNOWN	19.87	120	J
8.	UNKNOWN ALIP. HYDROCARBON	21.65	180	J
9.	UNKNOWN ALIP. HYDROCARBON	21.72	270	BJ
10.	UNKNOWN ALIP. HYDROCARBON	22.94	150	J
11.	UNKNOWN PHTHALATE	23.75	250	BJ
12.	UNKNOWN	24.40	130	J
13.	UNKNOWN	24.49	840	J
14.	UNKNOWN	24.57	1800	BJ
15.	UNKNOWN ALIP. HYDROCARBON	25.99	110	J
16.	UNKNOWN ALIP. HYDROCARBON	27.89	110	BJ
17.	UNKNOWN ALIP. HYDROCARBON	30.09	250	BJ
18.	UNKNOWN	35.24	160	J
19.	UNKNOWN ALIP. HYDROCARBON	37.84	1200	BJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE No.

X109

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193373

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B0606LC08

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 34 Date Analyzed: 06/06/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	8	U
67-64-1	Acetone	80	
75-15-0	Carbon Disulfide	4	J
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	4	J
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	8	
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	20	R BS
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
108-05-4	Vinyl Acetate	15	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-88-3	Toluene	12	
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	10	
100-42-5	Styrene	8	U
1330-20-7	Xylene (total)	20	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix (soil/water) SOIL Lab Sample ID: D193373

ample wt/vol: 30.5 (g/mL) G Lab File ID: B0724K03

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 34 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	J
111-44-4	bis(2-Chloroethyl)Ether	990	U
95-57-8	2-Chlorophenol	990	U
541-73-1	1,3-Dichlorobenzene	990	U
106-46-7	1,4-Dichlorobenzene	990	U
100-51-6	Benzyl Alcohol	990	U
95-50-1	1,2-Dichlorobenzene	990	U
95-48-7	2-Methylphenol	990	U
39638-32-9	bis(2-Chloroisopropyl)Ether	990	U
106-44-5	4-Methylphenol	990	U
621-64-7	N-Nitroso-Di-n-Propylamine	990	U
67-72-1	Hexachloroethane	990	U
98-95-3	Nitrobenzene	990	U
78-59-1	Isophorone	990	U
88-75-5	2-Nitrophenol	990	U
105-67-9	2,4-Dimethylphenol	990	U
65-85-0	Benzoic Acid	4800	U
111-91-1	bis(2-Chloroethoxy)Methane	990	U
120-83-2	2,4-Dichlorophenol	990	U
120-82-1	1,2,4-Trichlorobenzene	990	U
91-20-3	Naphthalene	990	U
106-47-8	4-Chloroaniline	990	U
87-68-3	Hexachlorobutadiene	990	U
59-50-7	4-Chloro-3-Methylphenol	990	U
91-57-6	2-Methylnaphthalene	990	U
77-47-4	Hexachlorocyclopentadiene	990	U
88-06-2	2,4,6-Trichlorophenol	990	U
95-95-4	2,4,5-Trichlorophenol	4800	U
91-58-7	2-Chloronaphthalene	990	U
88-74-4	2-Nitroaniline	4800	U
131-11-3	Dimethyl Phthalate	390	J
208-96-8	Acenaphthylene	990	U
606-20-2	2,6-Dinitrotoluene	990	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: EPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193373

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B0724K03

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 34 dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4800	U
83-32-9	Acenaphthene	990	U
51-28-5	2,4-Dinitrophenol	4800	U
100-02-7	4-Nitrophenol	4800	U
132-64-9	Dibenzofuran	990	U
121-14-2	2,4-Dinitrotoluene	990	U
84-66-2	Diethylphthalate	990	U
7005-72-3	4-Chlorophenyl-phenylether	990	U
86-73-7	Fluorene	990	U
100-10-6	4-Nitroaniline	4800	U
534-52-1	4,6-Dinitro-2-Methylphenol	4800	U
86-30-6	N-Nitrosodiphenylamine (1)	990	U
101-55-3	4-Bromophenyl-phenylether	990	U
118-74-1	Hexachlorobenzene	210	J
87-86-5	Pentachlorophenol	4800	U
85-01-8	Phenanthrene	990	U
120-12-7	Anthracene	990	U
84-74-2	Di-n-Butylphthalate	1700	
206-44-0	Fluoranthene	990	U
129-00-0	Pyrene	990	U
85-68-7	Butylbenzylphthalate	420	J
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)Anthracene	990	U
218-01-9	Chrysene	990	U
117-81-7	bis(2-Ethylhexyl)Phthalate	110000	~~B~~ BB
117-84-0	Di-n-Octyl Phthalate	990	U
205-99-2	Benzo(b)Fluoranthene	990	U
207-08-9	Benzo(k)Fluoranthene	990	U
50-32-8	Benzo(a)Pyrene	990	U
193-39-5	Indeno(1,2,3-cd)Pyrene	990	U
53-70-3	Dibenz(a,h)Anthracene	990	U
191-24-2	Benzo(g,h,i)Perylene	990	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

E.P.A. SAMPLE NO.

X109

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

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

Matrix: (soil/water): Soil Lab Sample ID: D193373

Sample wt/vol: 30.020 (g/mL) g Lab File ID:

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec.34 dec. Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) Sonc Date Analyzed: 07/12/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	24	U
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	24	U
76-44-8	Heptachlor	24	U
309-00-2	Aldrin	24	U
1024-57-3	Heptachlor epoxide	24	U
959-98-8	Endosulfan I	24	U
60-57-1	Dieldrin	49	U
72-55-9	4,4'-DDE	49	U
72-20-8	Endrin	49	U
33213-65-9	Endosulfan II	49	U
72-54-8	4,4'-DDD	49	U
1031-07-8	Endosulfan sulfate	49	U
50-29-3	4,4'-DDT	49	U
72-43-5	Methoxychlor	240	U
53494-70-5	Endrin ketone	49	U
5103-71-9	alpha-Chlordane	240	U
5106-74-2	gamma-Chlordane	240	U
8001-35-2	Toxaphene	490	U
12674-11-2	Arochlor-1016	240	U
11104-28-2	Aroclor-1221	240	U
11141-16-5	Aroclor-1232	240	U
53469-21-9	Aroclor-1242	240	U
12672-29-6	Aroclor-1248	240	U
11097-69-1	Aroclor-1254	2800	
11096-82-5	Aroclor-1260	3200	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 197000000

Lab Code: SPFLD Case No.: MATHEJ SAS No.: _____ SDG No.: 118888

Matrix: (soil/water) SOIL Lab Sample ID: 1198878

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P0606LC18

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 34 Date Analyzed: 06/06/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	1.63	8.0	J
2.	DICHLOROTRIFLUOROETHANE	1.85	24	J
3.	UNKNOWN	4.65	8.9	J
4.	UNKNOWN ALIP. HYDROCARBON	4.97	14	J
5.	UNKNOWN	7.20	58	J
6	UNKNOWN	7.68	10	J
7	DIFLUOROBUTADIYNE	7.77	8.9	J
8.	UNKNOWN	8.20	11	J
9.	UNKNOWN	9.84	8.8	J
10.	UNKNOWN ALIP. HYDROCARBON	18.45	73	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193373

ample wt/vol: 30.5 (g/mL) G Lab File ID: B0724K03

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 34 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

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

mber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	7.80	900	BAJ
2.	ETHYNYL METHYL BENZENE	12.25	1100	J
3.	UNKNOWN	13.52	290	J
4.	UNKNOWN ALIP. HYDROCARBON	14.27	680	J
5.	UNKNOWN ALIP. HYDROCARBON	15.89	430	J
6.	UNKNOWN ALIP. HYDROCARBON	16.30	360	J
7.	UNKNOWN ALIP. HYDROCARBON	16.57	320	J
8.	UNKNOWN	16.82	310	J
9.	UNKNOWN	16.94	530	BJ
10.	UNKNOWN ALIP. HYDROCARBON	17.44	350	J
11.	UNKNOWN ALIP. HYDROCARBON	17.75	430	J
12.	UNKNOWN	18.20	370	J
13.	UNKNOWN ALIP. HYDROCARBON	18.62	280	J
14.	UNKNOWN ALIP. HYDROCARBON	19.12	350	J
15.	UNKNOWN	21.47	290	J
16.	UNKNOWN ALIP. HYDROCARBON	21.70	840	BJ
17.	UNKNOWN ALIP. HYDROCARBON	22.90	400	J
18.	UNKNOWN ALIP. HYDROCARBON	23.89	300	J
19.	UNKNOWN	34.31	2300	J
20.	UNKNOWN ALIP. HYDROCARBON	37.69	540	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109RE

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193373

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B0724K04

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 34 dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	J
111-44-4	bis(2-Chloroethyl)Ether	990	U
95-57-8	2-Chlorophenol	990	U
541-73-1	1,3-Dichlorobenzene	990	U
106-46-7	1,4-Dichlorobenzene	990	U
100-51-6	Benzyl Alcohol	990	U
95-50-1	1,2-Dichlorobenzene	990	U
95-48-7	2-Methylphenol	990	U
39638-32-9	bis(2-Chloroisopropyl)Ether	990	U
106-44-5	4-Methylphenol	200	J
621-64-7	N-Nitroso-Di-n-Propylamine	990	U
67-72-1	Hexachloroethane	990	U
98-95-3	Nitrobenzene	990	U
78-59-1	Isophorone	990	U
88-75-5	2-Nitrophenol	990	U
105-67-9	2,4-Dimethylphenol	990	U
65-85-0	Benzoic Acid	4800	U
111-91-1	bis(2-Chloroethoxy)Methane	990	U
120-83-2	2,4-Dichlorophenol	990	U
120-82-1	1,2,4-Trichlorobenzene	990	U
91-20-3	Naphthalene	990	U
106-47-8	4-Chloroaniline	990	U
87-68-3	Hexachlorobutadiene	990	U
59-50-7	4-Chloro-3-Methylphenol	990	U
91-57-6	2-Methylnaphthalene	990	U
77-47-4	Hexachlorocyclopentadiene	990	U
88-06-2	2,4,6-Trichlorophenol	990	U
95-95-4	2,4,5-Trichlorophenol	4800	U
91-58-7	2-Chloronaphthalene	990	U
88-74-4	2-Nitroaniline	4800	U
131-11-3	Dimethyl Phthalate	390	J
208-96-8	Acenaphthylene	990	U
606-20-2	2,6-Dinitrotoluene	990	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109RE

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SHELD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) SOIL Lab Sample ID: D193373

Sample wt/vol: 30.5 (g/mL) G Lab File ID: B0724K04

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. 34 dec. ____ Date Extracted: 06/07/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4800	U
83-32-9	Acenaphthene	990	U
51-28-5	2,4-Dinitrophenol	4800	U
100-02-7	4-Nitrophenol	4800	U
132-64-9	Dibenzofuran	990	U
121-14-2	2,4-Dinitrotoluene	990	U
84-66-2	Diethylphthalate	990	U
7005-72-3	4-Chlorophenyl-phenylether	990	U
86-73-7	Fluorene	990	U
100-10-6	4-Nitroaniline	4800	U
534-52-1	4,6-Dinitro-2-Methylphenol	4800	U
86-30-6	N-Nitrosodiphenylamine (1)	990	U
101-55-3	4-Bromophenyl-phenylether	990	U
118-74-1	Hexachlorobenzene	230	J
87-86-5	Pentachlorophenol	4800	U
85-01-8	Phenanthrene	990	U
120-12-7	Anthracene	990	U
84-74-2	Di-n-Butylphthalate	1800	
206-44-0	Fluoranthene	990	U
129-00-0	Pyrene	990	U
85-68-7	Butylbenzylphthalate	550	J
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)Anthracene	990	U
218-01-9	Chrysene	990	U
117-81-7	bis(2-Ethylhexyl)Phthalate	94000	~~B~~ B
117-84-0	Di-n-Octyl Phthalate	990	U
205-99-2	Benzo(b)Fluoranthene	990	U
207-08-9	Benzo(k)Fluoranthene	990	U
50-32-8	Benzo(a)Pyrene	990	U
193-39-5	Indeno(1,2,3-cd)Pyrene	990	U
53-70-3	Dibenz(a,h)Anthracene	990	U
191-24-2	Benzo(g,h,i)Perylene	990	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109RE

ab Name: ILLINOIS EPA Contract: 1970000000

ab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

atrix: (soil/water) SOIL Lab Sample ID: D193373

ample wt/vol: 30.5 (g/mL) G Lab File ID: B0724K04

evel: (low/med) LOW Date Received: 06/05/91

Moisture: not dec. 34 dec. ____ Date Extracted: 06/07/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/24/91

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

umber TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ETHYNYL METHYL BENZENE	12.27	1100	J
2.	UNKNOWN ALIP. HYDROCARBON	14.30	700	J
3.	UNKNOWN ALIP. HYDROCARBON	15.94	430	J
4	UNKNOWN ALIP. HYDROCARBON	16.34	390	J
5.	UNKNOWN	16.85	370	J
6.	UNKNOWN	16.97	560	BJ
7.	UNKNOWN ALIP. HYDROCARBON	17.47	330	J
8.	UNKNOWN ALIP. HYDROCARBON	17.79	450	J
9.	UNKNOWN	18.24	400	J
10.	UNKNOWN ALIP. HYDROCARBON	18.65	310	J
11.	UNKNOWN ALIP. HYDROCARBON	19.15	350	J
12.	UNKNOWN	21.49	340	J
13.	UNKNOWN ALIP. HYDROCARBON	21.74	810	BJ
14.	UNKNOWN ALIP. HYDROCARBON	22.94	360	J
15.	UNKNOWN	23.75	310	BJ
16.	UNKNOWN ALIP. HYDROCARBON	28.89	360	J
17.	UNKNOWN ALIP. HYDROCARBON	30.06	370	J
18.	UNKNOWN PHTHALATE	30.32	300	J
19.	UNKNOWN	34.36	2400	J
20.	UNKNOWN ALIP. HYDROCARBON	37.72	530	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTB

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: D19336

Matrix: (soil/water) WATER Lab Sample ID: D193364

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK04

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	U
67-64-1	Acetone	130	J
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	~~U~~ R
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKTB

Lab Name: ILLINOIS EPA Contract: 1970000000

Lab Code: SPFLD Case No.: MATHES SAS No.: _____ SDG No.: I19836

Matrix: (soil/water) WATER Lab Sample ID: D193364

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A0610BK04

Level: (low/med) LOW Date Received: 06/05/91

% Moisture: not dec. ____ Date Analyzed: 06/10/91

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS

Lab Code: Case No.: SAS No.: SDG No.: 53

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

EPA Sample No.	Lab Sample ID
G201	B107546
G201D	B107546D
G201S	B107546S
G202	B107547
G203	B107548
X101	B107617
X101D	B107617D
X101S	B107617S
X102	B107618
X103	B107619
X104	B107620
X105	B107621
X106	B107622
X107	B107623
X108	B107624
X109	B107625

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Were ICP interelement corrections applied? Yes

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

Comments: Digestion for ICP and furnace metals was done by microwave digestion procedure with 1.0 ML of 1:1 HCl added for antimony recovery. See also any notes associated with raw data.

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

Lab Manager: [signature]
Date: 7/22/91

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EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Water): Lab Sample ID: B107546
Level (Low/Med): Date Received: 6/5/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62	U		P
7440-36-0	Antimony	49.5	B		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	73.4	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	2.1	U		P
7440-70-2	Calcium	148000			P
7440-47-3	Chromium	9.5	B		P
7440-48-4	Cobalt	2.7	U		P
7440-50-8	Copper	14	U		P
7439-89-6	Iron	2670			P
7439-92-1	Lead	1.5	U		F
7439-95-4	Magnesium	72200			P
7439-96-5	Manganese	72.8			P
7439-97-6	Mercury	0.11	U		AV
7440-02-2	Nickel	11	U		P
7440-09-7	Potassium	4900	B		P
7782-49-2	Selenium	5.6	U	W	F
7440-22-4	Silver	3.3	U		P
7440-23-5	Sodium	73100			P
7440-28-0	Thallium	2.4	U	W	F
7440-62-2	Vanadium	29.1	B		P
7440-66-6	Zinc	71.6		N	P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	162000			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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EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Water): Lab Sample ID: B107547
Level (Low/Med): Date Received: 6/5/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62	U		P
7440-36-0	Antimony	32	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	61	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	2.1	U		P
7440-70-2	Calcium	174000			P
7440-47-3	Chromium	7.2	B		P
7440-48-4	Cobalt	2.7	U		P
7440-50-8	Copper	14	U		P
7439-89-6	Iron	1550			P
7439-92-1	Lead	2.9	B		F
7439-95-4	Magnesium	104000			P
7439-96-5	Manganese	81.3			P
7439-97-6	Mercury	0.11	U		AV
7440-02-2	Nickel	11	U		P
7440-09-7	Potassium	5350			P
7782-49-2	Selenium	28		S	F
7440-22-4	Silver	3.3	U		P
7440-23-5	Sodium	179000			P
7440-28-0	Thallium	2.4	U		F
7440-62-2	Vanadium	73.2			P
7440-66-6	Zinc	19.5	B	N	P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	267000			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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EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Water): Lab Sample ID: B107548
Level (Low/Med): Date Received: 6/5/91
% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62	U		P
7440-36-0	Antimony	32	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	72.2	B		P
7440-41-7	Beryllium	0.2	U		P
7440-43-9	Cadmium	2.1	U		P
7440-70-2	Calcium	157000			P
7440-47-3	Chromium	9	B		P
7440-48-4	Cobalt	2.7	U		P
7440-50-8	Copper	14	U		P
7439-89-6	Iron	1110			P
7439-92-1	Lead	1.5	U		F
7439-95-4	Magnesium	70400			P
7439-96-5	Manganese	61.1			P
7439-97-6	Mercury	0.11	U		AV
7440-02-2	Nickel	15.8	B		P
7440-09-7	Potassium	5090			P
7782-49-2	Selenium	2.4	~~B~~ U	W	F
7440-22-4	Silver	3.3	U		P
7440-23-5	Sodium	83500			P
7440-28-0	Thallium	2.4	U		F
7440-62-2	Vanadium	34.1	B		P
7440-66-6	Zinc	4.1	U	N	P
	Cyanide	10	U		AS
	Sulfide	1000	U		T
	Sulfate	164000			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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EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107617
Level (Low/Med): Date Received: 6/5/91
% Solids: 67.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	13200			P	
7440-36-0	Antimony	9.6	B	N	P	J
7440-38-2	Arsenic	7.9			F	
7440-39-3	Barium	112			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	1.3	B		P	
7440-70-2	Calcium	24300			P	
7440-47-3	Chromium	18.7			P	
7440-48-4	Cobalt	5.7	B		P	
7440-50-8	Copper	26.1			P	
7439-89-6	Iron	21300			P	
7439-92-1	Lead	26.5			F	
7439-95-4	Magnesium	12000			P	
7439-96-5	Manganese	569			P	
7439-97-6	Mercury	0.12		N	AS	J
7440-02-2	Nickel	20.8			P	
7440-09-7	Potassium	2310			P	
7782-49-2	Selenium	0.2	U	W	F	
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	102	B		P	
7440-28-0	Thallium	0.7	U	W	F	J
7440-62-2	Vanadium	26.1			P	
7440-66-6	Zinc	100			P	
	Cyanide	1.3	U		AS	

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

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EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107618
Level (Low/Med): Date Received: 6/5/91
% Solids: 65.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	4170			P	
7440-36-0	Antimony	73.9		N	P	J
7440-38-2	Arsenic	5.1			F	
7440-39-3	Barium	21.1			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	0.6	U		P	
7440-70-2	Calcium	103000			P	
7440-47-3	Chromium	11.5			P	
7440-48-4	Cobalt	0.8	U		P	
7440-50-8	Copper	9.8			P	
7439-89-6	Iron	12400			P	
7439-92-1	Lead	11.0		S	F	
7439-95-4	Magnesium	60700			P	
7439-96-5	Manganese	292			P	
7439-97-6	Mercury	0.03	U	N	AS	J
7440-02-2	Nickel	13.2			P	
7440-09-7	Potassium	1450	B		P	
7782-49-2	Selenium	0.4	B	W	F	
7440-22-4	Silver	3.5			P	
7440-23-5	Sodium	188	B		P	
7440-28-0	Thallium	0.7	U		F	J
7440-62-2	Vanadium	11	B		P	
7440-66-6	Zinc	49.5			P	
	Cyanide	1.3	U		AS	

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

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EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107619
Level (Low/Med): Date Received: 6/5/91
% Solids: 76.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14700			P	
7440-36-0	Antimony	34.8		N	P	J
7440-38-2	Arsenic	11.0			F	
7440-39-3	Barium	88.9			P	
7440-41-7	Beryllium	0.05	U		P	
7440-43-9	Cadmium	0.5	U		P	
7440-70-2	Calcium	59700			P	
7440-47-3	Chromium	24.3			P	
7440-48-4	Cobalt	3.1	B		P	
7440-50-8	Copper	25.4			P	
7439-89-6	Iron	24500			P	
7439-92-1	Lead	30.4			F	
7439-95-4	Magnesium	35100			P	
7439-96-5	Manganese	597			P	
7439-97-6	Mercury	0.04		N	AS	J
7440-02-2	Nickel	25.9			P	
7440-09-7	Potassium	2650			P	
7782-49-2	Selenium	0.5	B	W	F	
7440-22-4	Silver	2.1			P	
7440-23-5	Sodium	101	B		P	
7440-28-0	Thallium	0.6	U		F	J
7440-62-2	Vanadium	29.5			P	
7440-66-6	Zinc	116			P	
	Cyanide	1.1	U		AS	

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

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EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107620
Level (Low/Med): Date Received: 6/5/91
% Solids: 47.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	20400			P	
7440-36-0	Antimony	13	U	N	P	J
7440-38-2	Arsenic	9.4			F	
7440-39-3	Barium	111			P	
7440-41-7	Beryllium	0.08	U		P	
7440-43-9	Cadmium	212			P	
7440-70-2	Calcium	18400			P	
7440-47-3	Chromium	68			P	
7440-48-4	Cobalt	8.8	B		P	
7440-50-8	Copper	81			P	
7439-89-6	Iron	41500			P	
7439-92-1	Lead	318		S	F	
7439-95-4	Magnesium	8560			P	
7439-96-5	Manganese	678			P	
7439-97-6	Mercury	0.53		N	AS	J
7440-02-2	Nickel	44.8			P	
7440-09-7	Potassium	2600			P	
7782-49-2	Selenium	0.3	U	W	F	
7440-22-4	Silver	0.7	B		P	
7440-23-5	Sodium	258	B		P	
7440-28-0	Thallium	1.0	U	M	F	J
7440-62-2	Vanadium	40.3			P	
7440-66-6	Zinc	321			P	
	Cyanide	1.8	U		AS	

Color Before: Brown Clarity Before: Opaque Texture: Fine
Color After: Brown Clarity After: Cloudy Artifacts:
Comments:

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EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107621
Level (Low/Med): Date Received: 6/5/91
% Solids: 86.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2220			P	
7440-36-0	Antimony	36.3		N	P	J
7440-38-2	Arsenic	1.4	B	E	F	
7440-39-3	Barium	21.6	B		P	
7440-41-7	Beryllium	0.05	U		P	
7440-43-9	Cadmium	0.5	U		P	
7440-70-2	Calcium	50200			P	
7440-47-3	Chromium	6.5			P	
7440-48-4	Cobalt	0.6	U		P	
7440-50-8	Copper	7.9			P	
7439-89-6	Iron	4440			P	
7439-92-1	Lead	95			F	
7439-95-4	Magnesium	19600			P	
7439-96-5	Manganese	57.4			P	
7439-97-6	Mercury	0.02	U	N	AS	J
7440-02-2	Nickel	3.3	B		P	
7440-09-7	Potassium	953	B		P	
7782-49-2	Selenium	0.4	B	E	F	
7440-22-4	Silver	1.9	B		P	
7440-23-5	Sodium	253	B		P	
7440-28-0	Thallium	1.0	B	S	F	J
7440-62-2	Vanadium	4.7	B		P	
7440-66-6	Zinc	27.2			P	
	Cyanide	4.8			AS	

Color Before: Black Clarity Before: Opaque Texture: Oily
Color After: Yellow Clarity After: Cloudy Artifacts:
Comments:

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EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107622
Level (Low/Med): Date Received: 6/5/91
% Solids: 68.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	2700			P	
7440-36-0	Antimony	10	U		P	
7440-38-2	Arsenic	3.2	B	N	F	J
7440-39-3	Barium	38.2	B	E	P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	0.7	U		P	
7440-70-2	Calcium	4260			P	
7440-47-3	Chromium	4.9	U		P	
7440-48-4	Cobalt	0.9	U		P	
7440-50-8	Copper	8.1			P	
7439-89-6	Iron	2360			P	
7439-92-1	Lead	197			F	
7439-95-4	Magnesium	839	B		P	
7439-96-5	Manganese	30.5			P	
7439-97-6	Mercury	0.04	U	N	AS	J
7440-02-2	Nickel	3.5	U		P	
7440-09-7	Potassium	825	B		P	
7782-49-2	Selenium	0.8	B		F	
7440-22-4	Silver	1.1	U		P	
7440-23-5	Sodium	683			P	
7440-28-0	Thallium	0.8	U	W	F	J
7440-62-2	Vanadium	7.4	B		P	
7440-66-6	Zinc	13.3			P	
	Cyanide	1.2	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Oily
Color After: Yellow Clarity After: Cloudy Artifacts:
Comments:

FORM I - IN
SOIL

7/87 Rev. IFB
Amendment One

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107623
Level (Low/Med): Date Received: 6/5/91
% Solids: 69.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	453			P	
7440-36-0	Antimony	9.5	U	N	P	J
7440-38-2	Arsenic	0.7	B	E	F	
7440-39-3	Barium	7.2	B		P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	0.8	U		P	
7440-70-2	Calcium	700	B		P	
7440-47-3	Chromium	10.1			P	
7440-48-4	Cobalt	0.8	U		P	
7440-50-8	Copper	4.1	U		P	
7439-89-6	Iron	1220			P	
7439-92-1	Lead	60		S+	F	
7439-95-4	Magnesium	271	B		P	
7439-96-5	Manganese	9.5			P	
7439-97-6	Mercury	0.03	U	N	AS	J
7440-02-2	Nickel	7.3	B		P	
7440-09-7	Potassium	309	B		P	
7782-49-2	Selenium	0.2	U	S	F	
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	281	B		P	
7440-28-0	Thallium	2.0	B		F	J
7440-62-2	Vanadium	1.4	B		P	
7440-66-6	Zinc	4.4	B		P	
	Cyanide	1.2	U		AS	

Color Before: Black Clarity Before: Opaque Texture: Oily
Color After: Yellow Clarity After: Cloudy Artifacts:
Comments:

FORM I - IN
SOIL

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U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107624
Level (Low/Med): Date Received: 6/5/91
% Solids: 54.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	7990			P	
7440-36-0	Antimony	63.5		N	P	J
7440-38-2	Arsenic	27.7		S	F	
7440-39-3	Barium	82.4			P	
7440-41-7	Beryllium	0.07	U		P	
7440-43-9	Cadmium	0.7	U		P	
7440-70-2	Calcium	120000			P	
7440-47-3	Chromium	15.9			P	
7440-48-4	Cobalt	0.9	U		P	
7440-50-8	Copper	10.5			P	
7439-89-6	Iron	48600			P	
7439-92-1	Lead	16.8		S	F	
7439-95-4	Magnesium	55700			P	
7439-96-5	Manganese	920			P	
7439-97-6	Mercury	0.04	U	N	AS	J
7440-02-2	Nickel	14.3			P	
7440-09-7	Potassium	2950			P	
7782-49-2	Selenium	0.3	U	W	F	
7440-22-4	Silver	4			P	
7440-23-5	Sodium	107	B		P	
7440-28-0	Thallium	0.8	U	W	F	J
7440-62-2	Vanadium	18.3			P	
7440-66-6	Zinc	50.6			P	
	Cyanide	1.5	U		AS	

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

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: MATHESON GAS
Lab Code: Case No.: SAS No.: SDG No.: 53
Matrix (Soil): Lab Sample ID: B107625
Level (Low/Med): Date Received: 6/5/91
% Solids: 70.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	8520			P	
7440-36-0	Antimony	58.6		N	P	J
7440-38-2	Arsenic	8.5			F	
7440-39-3	Barium	68.9			P	
7440-41-7	Beryllium	0.06	U		P	
7440-43-9	Cadmium	2.1	U		P	
7440-70-2	Calcium	99200			P	
7440-47-3	Chromium	75			P	
7440-48-4	Cobalt	1	B		P	
7440-50-8	Copper	192			P	
7439-89-6	Iron	35400			P	
7439-92-1	Lead	378			F	
7439-95-4	Magnesium	45500			P	
7439-96-5	Manganese	2320			P	
7439-97-6	Mercury	0.03	U	N	AS	J
7440-02-2	Nickel	39.5			P	
7440-09-7	Potassium	2760			P	
7782-49-2	Selenium	0.2	U	W	F	
7440-22-4	Silver	3.5			P	
7440-23-5	Sodium	686	B		P	
7440-28-0	Thallium	0.7	U		F	J
7440-62-2	Vanadium	19.9			P	
7440-66-6	Zinc	191			P	
	Cyanide	114			AS	

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

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	W109	6-5-91	8:35 AM

Sample Appearance : Black w/ green - some smell

Collector Comments:

Sampler Signature : Henry J Kogelmann Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	S	32oz		TOT. METALS, CYANIDE	N	6-5-91	8:35A
				SULFIDE, SULFATE,	N	"	"
				MERCURY	N	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:45 pm Seal #: 6751 Intact?: Y / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 A Seal #: 6752

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X108	6-5-91	8:25 a.m

Sample Appearance : Reddish - Brown/Black Mud

Collector Comments:

Sampler Signature : Henry J Rozehnam Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT. METALS, CYANIDE	N	6-5-91	8:25 A
				SULFIDE, SULFATE,	N		
				MERCURY	N		

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:45 pm Seal #: 6751 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: ~~1:45 p~~ 9:25 A Seal #: 6752

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Location: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X 107	6-4-91	4:00 p.m.

Sample Appearance : Black tar

Collector Comments:

Sampler Signature : Henry J. Konzelmann Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT. METALS, CYANIDE	N	6-4-91	4:00p
				SULFIDE, SULFATE,	N	6-4-91	"
				MERCURY	N	6-4-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J Trillo Signature: Judy J Trillo

Date: 6-4-91 Time: 1:45p Seal #: 6751 Intact?: (Y) / N

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

Sealed by (print): Judy J Trillo Signature: Judy J Trillo

Date: 6-5-91 Time: 9:25 A. Seal #: 6752

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
1	X106	6-4-91	4:00 p.m

Sample Appearance : Black viscous tar/petroleum material

Collector Comments:

Sampler Signature : Henry J Kongelmer Division/Company IEPA / OILPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT.METALS,CYANIDE	N	6-4-91	4:00p
				SULFIDE,SULFATE,	N	"	4:00 p
				MERCURY	N	"	4:00 pm

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J Triller

Date: 6-4-91 Time: 1:45 pm Seal #: 6751 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J Triller

Date: 6-5-91 Time: 9:25 A Seal #: 6752

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X105	6-4-91	3:25 pm

Sample Appearance : Black viscous tar-like material - thick

Collector Comments:

Sampler Signature : Henry J Kogelman Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT. METALS, CYANIDE	N	6-4-91	3:25p
				SULFIDE, SULFATE,	"	"	"
				MERCURY	"	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Trillec Signature: Judy J. Trillec

Date: 6-4-91 Time: 11:45 pm Seal #: 6751 Intact?: (Y) / N

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

Sealed by (print): Judy J. Trillec Signature: Judy J. Trillec

Date: 6-5-91 Time: 9:25 A Seal #: 6752

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X104	6-4-91	2:20 p

Sample Appearance : Dark Brown soil with viscous tar material

Collector Comments:

Sampler Signature : Henry J Kozelman Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
11	5	32oz		TOT. METALS, CYANIDE	N	6-4-91	2:20 p
				SULFIDE, SULFATE,	"	6-4-91	"
				MERCURY	"	6-4-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:45 p Seal #: 6751 Intact?: Y / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25A Seal #: 6752

Courier - sample pickup: Fed Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X103	6-4-91	2:10pm

Sample Appearance : Soil with black tar-like material

Collector Comments:

Sampler Signature : Henry J. Kozyelman Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT.METALS,CYANIDE	N	6-4-91	2:10p
				SULFIDE,SULFATE,	N	"	"
				MERCURY	N	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Troller Signature: Judy J. Troller

Date: 6-4-91 Time: 1:45p Seal #: 6751 Intact?: Y / N

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

Sealed by (print): Judy J. Troller Signature: Judy J. Troller

Date: 6-5-91 Time: 9:25A Seal #: 6752

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X107	6-5-91	9:05A

Sample Appearance : Dark, wet sand + mud

Collector Comments:

Sampler Signature : Henry J. Konzelman Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT.METALS,CYANIDE	N	6-5-91	9:05A
				SULFIDE,SULFATE,	N	6-5-91	9:05A
				MERCURY	N	6-5-91	9:05A

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Trailer Signature: Judy J. Trailer

Date: 6-4-91 Time: 1:45 p Seal #: 6751 Intact?: (Y) / N

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

Sealed by (print): Judy J. Trailer Signature: Judy J. Trailer

Date: 6-5-91 Time: 9:25 am Seal #: 6752

Courier - sample pickup: Fed. Ex

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6751

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X101	6-5-91	9:07 A

Sample Appearance : Black soil

Collector Comments: Background

Sampler Signature : Henry J. Korzeluman Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	5	32oz		TOT. METALS, CYANIDE	N	6-5-91	9:07 A
				SULFIDE, SULFATE,	N	6-5-91	"
				MERCURY	N	6-5-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:45 p.m Seal #: 6751 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 am Seal #: 6752

Courier - sample pickup: Fed. Ex.

Courier - sample delivery: _____

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

Opened by (print): _____ Signature: _____

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

Lab Name: _____ Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X109	6-5-91	8:35 AM

Sample Appearance : Black + Green - Some smell

Collector Comments:

Sampler Signature : Henry J Rogelman Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	6-5-91	8:35 A
1	5	32oz		BNA, PEST/PCB	N	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Troller Signature: Judy J. Troller

Date: 6-4-91 Time: 1:40 pm Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Troller Signature: Judy J. Troller

Date: 6-5-91 Time: 9:25 AM Seal #: 6754

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X108	6-5-91	8:25 AM

Sample Appearance : Brown/Black Mud with red discoloration

Collector Comments:

Sampler Signature : Henry J Kongelman Division/Company IEPA / DLPC

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	12	2oz		VOA	N	6-5-91	8:25 A
1	5	32oz		BNA, PEST/PCB	N	6-5-91	8:25 A

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Troller Signature: Judy J. Troller

Date: 6-4-91 Time: 1:40 pm Seal #: 6752 Intact?: (Y) / N

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

Sealed by (print): Judy J. Troller Signature: Judy J. Troller

Date: 6-5-91 Time: 9:25 A Seal #: 6754

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X107	6-4-91	4:00 pm

Sample Appearance : Black Tar

Collector Comments:

Sampler Signature : Henry J. Longchamp Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA		6-4-91	4:00p
1	5	32oz		BNA,PEST/PCB		6-4-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Trillec Signature: Judy J. Trillec

Date: 6-4-91 Time: 1:40p Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Trillec Signature: Judy J. Trillec

Date: 6-5-91 Time: 9:25a Seal #: 6754

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name :MATHESON GAS
Region:MAYWOOD
County:WILL

Site Inventory # :1970000000
Site Billing Code:SA-06
Project Manager :AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X106	6-4-91	4:00p

Sample Appearance : Black viscous tar/petroleum material

Collector Comments:

Sampler Signature : Henry J. Kongelman Division/Company IEPA /DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	6-4-91	4:00p
1	5	32oz		BNA,PEST/PCB	"	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:40 pm Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 A Seal #: 6754

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X105	6-4-91	3:25 p.m.

Sample Appearance : Black viscous tar-like material - thick

Collector Comments:

Sampler Signature : Henry J. Korzeduan Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	6-4-91	3:25 p
1	5	32oz		BNA, PEST/PCB	N	6-4-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:40 p Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 A Seal #: 6754

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X104	6-4-91	2:20 p.

Sample Appearance : Dark brown soil with viscous tar material

Collector Comments:

Sampler Signature : Henry G Kogelman Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	6-4-91	2:20p
1	5	32oz		BNA, PEST/PCB	N	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:40 pm Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 A Seal #: 6754

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X103	6-4-91	2:10 pm

Sample Appearance : Soil with black tar-like material

Collector Comments:

Sampler Signature : Henry J Kongelmann Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	6-4-91	2:10p
1	5	32oz		BNA, PEST/PCB	N	"	2:10p

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Trillec Signature: Judy J. Trillec

Date: 6-4-91 Time: 1:40 pm Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Trillec II Signature: Judy J. Trillec

Date: 6-5-91 Time: 9:25 a Seal #: 6754

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X102	6-5-91	9:05A

Sample Appearance : Dark, wet sand + mud

Collector Comments:

Sampler Signature : Henry J. Konzelmann Division/Company IEPA / DLPC

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
2	12	2oz		VOA	N	6-5-91	9:05A
1	5	32oz		BNA, PEST/PCB	N	6-5-91	9:05A

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:40 p Seal #: 6753 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 AM Seal #: 6754

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6753

Date Sealed: 6/3/91 By: RKM

Facility
Name: MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory #: 1970000000
Site Billing Code: SA-06
Project Manager: AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	X101	6-5-91	9:07 AM

Sample Appearance: Black Soil

Collector Comments: Background

Sampler Signature: Henry J. Kozelman Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	12	2oz		VOA	N	6-5-91	9:07A
1	5	32oz		BNA, PEST/PCB	N	6-5-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 1:40 p Seal #: 6753 Intact?: Y / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-5-91 Time: 9:25 am Seal #: 6754

Courier - sample pickup: Fed. Exp.

Courier - sample delivery: _____

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

Opened by (print): _____ Signature: _____

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

Lab Name: _____ Comments: _____

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6779

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G203	6-4-91	12:40 pm

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Henry J Korzeniewski Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
5	8	40ML		VOA-LOW DETECTION LEVEL	N	6-4-91	12:40p
2	9	80oz		BNA	N	"	"
2	9	80oz		PEST/PCB	N	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 12:35 Seal #: 6779 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 12:45p Seal #: 6780

Courier - sample pickup: Fed. Exp.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6755

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	203	6-4-91	12:40 PM

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Henry J. Kogelmann Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	3	1L	GRN	TOTAL METALS	N	6-4-91	12:40
1	3	1L	BLK	CYANIDE	N	6-4-91	"
1	3	1L	RED	SULFIDE	N	6-4-91	"
1	3	1L		SULFATE	N	6-4-91	"
1	10	500ml	GRY	MERCURY	N	6-4-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 12:30 pm Seal #: 6755 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 12:45 pm Seal #: 6756

Courier - sample pickup: Federal Express

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6773

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G202	6-4-91	11:15am

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Henry J Konzelmann Division/Company IEPA/DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
5	8	40ML		VOA-LOW DETECTION LEVEL	N	6-4-91	11:15A
2	9	80oz		BNA	N	6-4-91	11:15A
2	9	80oz		PEST/PCB	N	6-4-91	11:15A

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 10:55 Seal #: 6773 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 11:25 AM Seal #: 6774

Courier - sample pickup: Federal Express

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6757

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G2021	6-4-91	11:15 AM

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Henry J Kogelman Division/Company EPA/DPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
1	3	1L	GRN	TOTAL METALS	N	6-4-91	11:15 A
1	3	1L	BLK	CYANIDE	N	"	11:15 A
1	3	1L	RED	SULFIDE	N	"	"
1	3	1L		SULFATE	N	"	"
1	10	500ml	GRY	MERCURY	N	"	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J Triller Signature: Judy J Triller

Date: 6-4-91 Time: 10:00 AM Seal #: 6757 Intact?: (Y) / N

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

Sealed by (print): Judy J Triller Signature: Judy J Triller

Date: 6-4-91 Time: 11:25A Seal #: 6758

Courier - sample pickup: Fed. Ex.

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6771

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G201	6-4-91	10:15 am

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Harry J Koyekman Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
5	8	40ML		VOA-LOW DETECTION LEVEL	N	6-4-91	10:15 A
2	9	80oz		BNA	N	"	"
2	9	80oz		PEST/PCB	N	"	"
				10:00 AM 6771			

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 10:00 AM Seal #: 6771 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 10:30 A Seal #: 6772

Courier - sample pickup: Federal Express

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6771

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G-201 T.B.	6/4/91	10:15A

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Henry J. Kargelmann Division/Company IEPA / DLPC

CONTAINER No.	Code	Size	Pres	ANALYSIS	FILTERING (Y/N)	Date	Time
2	8	40ml		TRIP BLANK	N	6-4-91	10:15A

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): ~~Al Kirw~~ AK Judy Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 10:00A Seal #: 6771 Intact?: Y / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 10:30 AM Seal #: 6772

Courier - sample pickup: Federal Express

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments:

IEPA - CLP
CHAIN OF CUSTODY

Seal #: 6757

Date Sealed: 6/3/91 By: RKM

Facility
Name : MATHESON GAS
Region: MAYWOOD
County: WILL

Site Inventory # : 1970000000
Site Billing Code: SA-06
Project Manager : AL KIRWIN

LABORATORY #	SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME
	G 201	6-4-91	10:15 AM

Sample Appearance : Clear

Collector Comments:

Sampler Signature : Henry J Kengelman Division/Company IEPA / DLPC

CONTAINER				ANALYSIS	FILTERING		
No.	Code	Size	Pres		(Y/N)	Date	Time
1	3	1L	GRN	TOTAL METALS	N	6-4-91	10:15 A
1	3	1L	BLK	CYANIDE	N	6-4-91	"
1	3	1L	RED	SULFIDE	N	6-4-91	"
1	3	1L		SULFATE	N	6-4-91	"
1	10	500ml	GRY	MERCURY	N	6-4-91	"

CHAIN OF CUSTODY CHRONICLE

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

Opened by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: 10:00 AM Seal #: 6757 Intact?: (Y) / N

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

Sealed by (print): Judy J. Triller Signature: Judy J. Triller

Date: 6-4-91 Time: ~~10:~~ 11:25A Seal #: 6758

Courier - sample pickup: Federal Express

Courier - sample delivery:

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

Opened by (print): Signature:

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

Lab Name: Comments: