# APPENDIX E

# GEOPROBE MACRO CORE PHOTOIONIZATION DETECTOR READINGS

## SITE INVESTIGATION REPORT
## AND
## REMEDIAL ACTION REPORT

## N Y S D E C
## 1996 CLEAN WATER / CLEAN AIR BOND ACT
## ENVIRONMENTAL RESTORATION PROJECTS
## T I T L E 5

## MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
## ENVIRONMENTAL RESTORATION PROJECT

## FOR THE
## FORMER AMERICAN LAFRANCE SITE
## 100 LAFRANCE STREET
## ELMIRA, NEW YORK

RECEIVED
FEB 28 2000
CERCLA/SF, WASTE REMED
REGION 3

APPENDIX E

GEOPROBE MACRO CORE PHOTOIONIZATION DETECTOR READINGS

| Location | Depth In Feet | | |
|---|---|---|---|
| | 0'-4' | 4'-8' | 8'-12' |
| G-1 | 0.5 | 0.6 | 24.9 |
| G-2 | 0.7 | 0.7 | 3.2 |
| G-3 | 0.9 | 0.8 | 0.7 |
| G-4 | 0.2 | 0.2 | 0.2 |
| G-5 | 0.2 | 0.2 | 0.2 |
| G-6 | 0.2 | 0.2 | 0.2 |
| G-7 | 0.2 | 0.2 | 5.2 |
| G-8 | 0.7 | 0.7 | 29.5 |
| G-9 | 0.8 | 0.8 | 10.4 |
| G-10 | 0.5 | 0.5 | 0.5 |
| G-12 | 0.4 | 0.4 | 0.4 |
| G-13 | 0.5 | 0.5 | 78.7 |
| GW-1 | 0.6 | 0.6 | 28.1 |
| GW-2 | 0.5 | 0.5 | 32.9 |
| GW-3 | 0.2 | 0.2 | 0.2 |
| GW-4 | 0.4 | 11.5 | 9.1 |
| GW-5 | --- | 0.4 | 0.4 |
| B-1 | 0.2 | 0.2 | 0.2 |
| B-2 | 0.2 | 0.2 | 0.2 |

Control 0.2 ppm
Readings in ppm
Ambient 02-1.0 ppm

# APPENDIX F

# GEOPROBE MACRO CORE SAMPLE LABORATORY RESULTS

## SITE INVESTIGATION REPORT
## AND
## REMEDIAL ACTION REPORT

## N Y S D E C
## 1996 CLEAN WATER / CLEAN AIR BOND ACT
## ENVIRONMENTAL RESTORATION PROJECTS
## T I T L E 5

## MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
## ENVIRONMENTAL RESTORATION PROJECT

## FOR THE
## FORMER AMERICAN LAFRANCE SITE
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## ELMIRA, NEW YORK

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 21, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF.

P.O. # 97150, 092199

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME
American LaFrance
97150

COPY TO:
ADDRESS:

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| W-ALFGW109 2199 | water | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | Full TCL per Contract | 138897-1 |
| ] | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 9-21-99 1530 | Stacey Matthews | 9/21/99 3:30 | |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semi-Vol.

Fraction/Parameter 8081/8082

SDG/Project Fagan/ALF

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L38897-1 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Jason Durand | 9/22/99 | 9:20 | K Colbaugh | 9/22/99 | | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8270

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 138897-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M. Smith | 9/24/99 | 900 | Brenda Colbaugh | 9/24/99 | 9:00 | |
| 1 | | | | | | | |
| 2 | Brenda Colbaugh | 9/24/99 | 10:30 | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Metals

SDG/Project Fagan/ALF

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L38897-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Ronel Jones | 9/23/99 | 7:54 | [illegible] | 9/23/99 | 7:54 | |
| 1 | [illegible] | 9/24/99 | 4:00 | Ronel Jones | 9/24/99 | 4:00 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 1.64 | mg/l | 0.075 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Antimony | U | mg/l | 0.050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Arsenic | 0.004 | mg/l | 0.002 | 30-SEP-99 | EPA 7062 | 97-198-28 |
| Barium | 0.266 | mg/l | 0.016 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Beryllium | U | mg/l | 0.002 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cadmium | U | mg/l | 0.0050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Calcium | 258 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Chromium | 0.02 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cobalt | 0.011 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Copper | 0.036 | mg/l | 0.017 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Iron | 6.31 | mg/l | 0.040 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Lead | 0.012 | mg/l | 0.005 | 30-SEP-99 | EPA 7421 | 98-194-39 |
| Magnesium | 44.2 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Manganese | 3.71 | mg/l | 0.005 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Mercury | U | mg/l | 0.0002 | 29-SEP-99 | EPA 7470 | 98-126-44 |
| Nickel | 0.031 | mg/l | 0.012 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Potassium | 5.47 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Sodium | 68.6 | mg/l | 0.200 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Thallium | U | mg/l | 0.001 | 30-SEP-99 | EPA 7841 | 98-187-49 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Our samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.012 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Zinc | 0.095 | mg/l | 0.020 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| beta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| delta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Heptachlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Aldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Heptachlor epoxide | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endosulfan I | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| 4,4'-DDE | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Dieldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endosulfan II | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| 4,4'-DDD | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endrin aldehyde | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endosulfan sulfate | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| 4,4'-DDT | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Methoxychlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Chlordane | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Toxaphene | U | ug/l | 0.5 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Extraction Information: | | | | 22-SEP-99 | | 99-154-44 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 56 | % | | | | 99-127-7948 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1221 | U | ug/l | 0.2 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1232 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1242 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1248 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1254 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1260 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |



QC. NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97150 |
| ORIGIN : | W-ALFGW1092199 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED : | 21-SEP-99 15:30 |
| P.O. NO. : | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 22-SEP-99 | | 99-154-44 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 56 | % | | | | 99-127-7948 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Phenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Chlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,3-Dichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,4-Dichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,2-Dichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Bis(2-chloroisopropylether) | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Methylphenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachloroethane | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| N-Nitrosodi-N-propylamine | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Nitrobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Isophorone | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Nitrophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dimethylphenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Bis(2-chloroethoxymethane) | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dichlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,2,4-Trichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Naphthalene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Chloroaniline | U | ug/l | 11 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachlorobutadiene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Chloro-3-methylphenol | U | ug/l | 11 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Methylnaphthalene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachlorocyclopentadiene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4,6-Trichlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4,5-Trichlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Chloronaphthalene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Nitroaniline | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Dimethyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Acenaphthylene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,6-Dinitrotoluene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 3-Nitroaniline | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Acenaphthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dinitrophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Dibenzofuran | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dinitrotoluene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Nitrophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Diethyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Fluorene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Chlorophenylphenylether | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Nitroaniline | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| N-Nitrosodiphenylamine | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Bromophenylphenylether | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Pentachlorophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Phenanthrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Anthracene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Carbazole | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Di-n-butyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Fluoranthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Pyrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Butylbenzyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(a)anthracene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 3,3-Dichlorobenzidine | U | ug/l | 11 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Chrysene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Bis-2-ethylhexyl phthalate | 47 | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Di-n-octyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(b)fluoranthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(k)fluoranthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(a)pyrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Dibenzo(a,h)anthracene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(g,h,i)perylene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Extraction Information: | | | | 24-SEP-99 | | 99-137-54 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



IC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

ne information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
our samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97150 |
| ORIGIN : | W-ALFGW1092199 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED : | 21-SEP-99 15:30 |
| P.O. NO. : | 97150.092199 |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 14 | ug/l | J | | | | |
| UNKNOWN | 14 | ug/l | J | | | | |
| UNKNOWN | 19 | ug/l | J | | | | |
| UNKNOWN | 25 | ug/l | J | | | | |
| UNKNOWN | 45 | ug/l | J | | | | |
| UNKNOWN | 78 | ug/l | J | | | | |
| UNKNOWN | 32 | ug/l | J | | | | |
| UNKNOWN | 17 | ug/l | J | | | | |
| UNKNOWN | 18 | ug/l | J | | | | |
| UNKNOWN | 26 | ug/l | J | | | | |
| UNKNOWN | 12 | ug/l | J | | | | |
| UNKNOWN | 40 | ug/l | J | | | | |
| UNKNOWN | 63 | ug/l | J | | | | |
| UNKNOWN | 26 | ug/l | J | | | | |
| UNKNOWN | 44 | ug/l | J | | | | |
| UNKNOWN | 33 | ug/l | J | | | | |
| UNKNOWN | 46 | ug/l | J | | | | |
| UNKNOWN | 23 | ug/l | J | | | | |
| UNKNOWN | 38 | ug/l | J | | | | |
| UNKNOWN | 24 | ug/l | J | | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 39 | % | | | | | 98-051-9279 |
| 2-Fluorophenol | 31 | % | | | | | 98-051-9279 |
| Phenol-d5 | 27 | % | | | | | 98-051-9279 |
| 2,4,6-Tribromophenol | 72 | % | | | | | 98-051-9279 |
| Nitrobenzene-d5 | 47 | % | | | | | 98-051-9279 |
| 2-Fluorobiphenyl | 44 | % | | | | | 98-051-9279 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L38897-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9279.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 20

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 9.46 ~~12.57~~ | 14 | J |
| 2. | | 9.92 | 14 | |
| 3. | | 10.15 | 19 | |
| 4. | | 10.35 | 25 | |
| 5. | | 10.92 | 45 | |
| 6. | | 11.07 | 78 | |
| 7. | | 11.48 | 32 | |
| 8. | | 11.66 | 17 | |
| 9. | | 11.71 | 18 | |
| 10. | | 11.76 | 26 | |
| 11. | | 11.91 | 12 | |
| 12. | | 12.18 | 40 | |
| 13. | | 12.38 | 63 | |
| 14. | | 12.68 | 26 | |
| 15. | | 13.01 | 44 | |
| 16. | | 13.29 | 33 | |
| 17. | | 13.62 | 46 | |
| 18. | | 13.90 | 23 | |
| 19. | | 34.44 | 38 | |
| 20. | | 38.67 | 24 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

10/4/99
Stacey

FORM I-CLP-SV-TIC

R13041

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 22, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF 97-150
American La France

P.O. #

CLIENT: Ed Tietze / Fagan Engineers
ADDRESS: 113 E. Chemung Pl.
Elmira NY 14904
PHONE: 734-2165 FAX: 734-2169

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME
97-150

COPY TO: Fagan Engineers
ADDRESS:

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER / LAB USE ONLY |
|---|---|---|---|---|
| Sept. 22, 1999 11:00 AM | Ground Water WALFGW2092299 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 8081 / 8082 / 8270 / TAL Metals; 2ea 2ea 2ea; 8260 2ea; Full TCL per contract | 1 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | ~~8081~~ | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | ~~8270~~ | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 9.22.99 4:30 pm | Stacey Matthews | 9-22-99 4:20 | |
| | | | | SUSPECTED CONTAMINATION LEVEL |
| | | | | NONE SLIGHT MODERATE HIGH |

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8260

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 1389521 | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Grossel | 9/23/99 | 10:27 | Scott J. Boryslak | 9-23-99 | 10:27 | |
| 1 | Scott J. Boryslak | 9-27-99 | 9:35 | Shannon M Barnett | 9-27-99 | 9:35 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8081/8082

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L389527 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon Bennett | 9/23/99 | 1300 | R Colbau Jr | 9/23/99 | 1300 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

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Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8270

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 138952-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Hammond Hammond | 9/24/99 | 900 | Brenda Colbaugh | 9/24/99 | 9:00 | |
| 1 | Brenda Colbaugh | 9/24/99 | 10:30 | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8082

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 638952-1 | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Lerocle | 9/23/99 | 10:00 | Brenda Carbaugh | 9/23/99 | | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGW2092299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED : | 22-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 0.858 | mg/l | 0.075 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Antimony | 0.056 | mg/l | 0.050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Arsenic | 0.003 | mg/l | 0.002 | 30-SEP-99 | EPA 7062 | 97-198-28 |
| Barium | 0.329 | mg/l | 0.016 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Beryllium | U | mg/l | 0.002 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cadmium | U | mg/l | 0.0050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Calcium | 174 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Chromium | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cobalt | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Copper | 0.018 | mg/l | 0.017 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Iron | 5.89 | mg/l | 0.040 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Lead | 0.22 | mg/l | 0.005 | 30-SEP-99 | EPA 7421 | 98-194-39 |
| Magnesium | 38.9 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Manganese | 3.53 | mg/l | 0.005 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Mercury | U | mg/l | 0.0002 | 29-SEP-99 | EPA 7470 | 98-126-44 |
| Nickel | 0.018 | mg/l | 0.012 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Potassium | 5.75 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Sodium | 73.3 | mg/l | 0.200 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Thallium | U | mg/l | 0.001 | 30-SEP-99 | EPA 7841 | 98-187-49 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.012 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Zinc | 0.054 | mg/l | 0.020 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Vinyl chloride | U | ug/l | 2 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Chloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Bromomethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1-Dichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Acetone | 44 | ug/l | 25 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Carbon disulfide | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Methylene chloride | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1-Dichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Chloroform | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Carbon tetrachloride | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Benzene | U | ug/l | 0.7 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,2-Dichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Trichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,2-Dichloropropane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Bromodichloromethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Methyl isobutyl ketone | U | ug/l | 10 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Toluene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Tetrachloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 2-Hexanone | U | ug/l | 10 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Dibromochloromethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Chlorobenzene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Ethylbenzene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| o-Xylene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Styrene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Bromoform | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |



QC PK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 9 | ug/l | J | 15.06 |
| UNKNOWN | 12 | ug/l | J | 19.05 |
| UNKNOWN | 9 | ug/l | J | 22.55 |
| UNKNOWN | 8 | ug/l | J | 23.48 |
| UNKNOWN | 12 | ug/l | J | 24.05 |
| UNKNOWN | 38 | ug/l | J | 24.23 |
| UNKNOWN | 11 | ug/l | J | 24.39 |
| UNKNOWN | 21 | ug/l | J | 24.54 |
| UNKNOWN | 12 | ug/l | J | 24.66 |
| LBS#10 | 14 | ug/l | J | 25 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 98 | % | | | | 99-158-9192 |
| Toluene-d8 | 97 | % | | | | 99-158-9192 |
| 4-Bromofluorobenzene | 97 | % | | | | 99-158-9192 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| beta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| delta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Heptachlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Aldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Heptachlor epoxide | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endosulfan I | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| 4,4'-DDE | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Dieldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endosulfan II | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| 4,4'-DDD | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endrin aldehyde | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endosulfan sulfate | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| 4,4'-DDT | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Methoxychlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGW2092299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED : | 22-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Chlordane | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Toxaphene | U | ug/l | 0.5 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Extraction Information: | | | | 23-SEP-99 | | 99-154-46 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 55 | % | | | | 99-127-7951 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1221 | U | ug/l | 0.2 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1232 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1242 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1248 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1254 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1260 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| Extraction Information: | | | | 23-SEP-99 | | 99-154-46 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 55 | % | | | | 99-127-7951 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Phenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Chlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 1,3-Dichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 1,4-Dichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 1,2-Dichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Bis(2-chloroisopropylether) | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Methylphenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachloroethane | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| N-Nitrosodi-N-propylamine | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Nitrobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Isophorone | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Nitrophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dimethylphenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Bis(2-chloroethoxymethane) | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dichlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY
I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Naphthalene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Chloroaniline | U | ug/l | 50 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachlorobutadiene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Chloro-3-methylphenol | U | ug/l | 50 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Methylnaphthalene | 250 | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachlorocyclopentadiene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4,6-Trichlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4,5-Trichlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Chloronaphthalene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Nitroaniline | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Dimethyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Acenaphthylene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,6-Dinitrotoluene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 3-Nitroaniline | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Acenaphthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dinitrophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Dibenzofuran | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dinitrotoluene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Nitrophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Diethyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Fluorene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Chlorophenylphenylether | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Nitroaniline | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| N-Nitrosodiphenylamine | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Bromophenylphenylether | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Pentachlorophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Phenanthrene | 160 | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Anthracene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Carbazole | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Di-n-butyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Fluoranthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Pyrene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Butylbenzyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(a)anthracene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 3,3-Dichlorobenzidine | U | ug/l | 50 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Chrysene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Di-n-octyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(b)fluoranthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |



QC 4 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(a)pyrene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Dibenzo(a,h)anthracene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(g,h,i)perylene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Extraction Information: | | | | 24-SEP-99 | | 99-137-54 |

| Library Search Compounds: | Results | | Units | Qual | Retention Time |
|---|---|---|---|---|---|
| LBS#1 | 360 | | ug/l | J | 6.23 |
| LBS#2 | 360 | | ug/l | J | 7.82 |
| UNKNOWN | 670 | | ug/l | J | 8.02 |
| UNKNOWN | 520 | | ug/l | J | 8.69 |
| UNKNOWN | 460 | | ug/l | J | 9.63 |
| UNKNOWN | 400 | | ug/l | J | 9.85 |
| UNKNOWN | 630 | | ug/l | J | 10.32 |
| UNKNOWN | 850 | | ug/l | J | 11.06 |
| UNKNOWN | 520 | | ug/l | J | 11.21 |
| UNKNOWN | 790 | | ug/l | J | 11.62 |
| UNKNOWN | 1300 | | ug/l | J | 11.82 |
| UNKNOWN | 360 | | ug/l | J | 12.47 |
| UNKNOWN | 880 | | ug/l | J | 13.41 |
| UNKNOWN | 370 | | ug/l | J | 13.54 |
| UNKNOWN | 1200 | | ug/l | J | 13.73 |
| UNKNOWN | 740 | | ug/l | J | 14.07 |
| UNKNOWN | 380 | | ug/l | J | 14.26 |
| UNKNOWN | 710 | | ug/l | J | 14.42 |
| UNKNOWN | 340 | | ug/l | J | 22.31 |
| UNKNOWN | 390 | | ug/l | J | 26.18 |

| Surrogate Recovery: | | | | |
|---|---|---|---|---|
| Terphenyl-d14 | 131 | | % | 98-051-9303 |
| 2-Fluorophenol | 101 | | % | 98-051-9303 |
| Phenol-d5 | 78 | | % | 98-051-9303 |
| 2,4,6-Tribromophenol | 189 | D | % | 98-051-9303 |



QC 24 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGW2092299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED : | 22-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| Nitrobenzene-d5 | 202 | D | % | | | | 98-051-9303 |
| 2-Fluorobiphenyl | 134 | D | % | | | | 98-051-9303 |

Analysis Comment: D-Diluted.



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L3895251

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9192

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

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

Number TICs found: 10

R128864
9/27/99

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.06 | 9 | J |
| 2. | | 19.05 | 12 | |
| 3. | | 21.24 | 8 | |
| 4. | Unknown | 22.55 | 9 | J |
| 5. | | 23.48 | 8 | |
| 6. | | 24.05 | 12 | |
| 7. | | 24.23 | 38 | |
| 8. | | 24.39 | 11 | |
| 9. | | 24.54 | 21 | |
| 10. | | 24.66 | 12 | |
| 11. | | 25 | 14 | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

Fagan

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L38952-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9303.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

10/6/99
R13138
AM

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

Number TICs found: 20

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 6.23 | 360 | J |
| 2. | | 7.82 | 360 | |
| 3. | | 8.02 | 670 | |
| 4. | | 8.69 | 520 | |
| 5. | | 9.63 | 460 | |
| 6. | | 9.85 | 400 | |
| 7. | | 10.32 | 630 | |
| 8. | | 11.06 | 850 | |
| 9. | | 11.21 | 520 | |
| 10. | | 11.62 | 790 | |
| 11. | | 11.82 | 1300 | |
| 12. | | 12.47 | 360 | |
| 13. | | 13.41 | 880 | |
| 14. | | 13.54 | 370 | |
| 15. | | 13.73 | 1200 | |
| 16. | | 14.07 | 740 | |
| 17. | | 14.26 | 380 | |
| 18. | | 14.42 | 710 | |
| 19. | | 22.31 | 340 | |
| 20. | | 26.18 | 390 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 23, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: FAGAN Engineering
ADDRESS: ED Tietje
PHONE: 607-734 2165 FAX: 607-734 2169

INVOICE TO:
ADDRESS:

Sample Site: American La France

P.O. #

PROJECT NO. / NAME: 97150

COPY TO:
ADDRESS:

L39015

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER LAB USE ONLY |
|---|---|---|---|---|
| 9-23 12:30pm | WALFGW4 092399 12:30 pm | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Per Contract Full TCL | -1 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | -2 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 7:20 am 9-24-99 | Shannon M Bennett | 8:15 9/24/99 | 1.3 temp as received |
| | | Lorna Jones | 9/24/99 8:25 | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Volatiles

Fraction/Parameter 8260

SDG/Project Fagan/American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
| | L39015-2 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/27/99 | 940 | Scott J. Boryslak | 9-27-99 | 9:00 | |
| 1 | Scott J. Boryslak | 10-5-99 | 14:00 | Shannon M Bennett | 10-5-99 | 1400 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8270

SDG/Project Fagan/American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/29/99 | 1330 | [illegible] | 9/29/99 | 13:30 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
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INC

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Lab Department Semivolatiles

Fraction/Parameter 8081 / 8082

SDG/Project Fagan/American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/30/99 | 830 | [illegible] | 9/30/99 | 8:30 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

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Lab Department Metals

SDG/Project Fagan/American La France

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lord Jones | 9/24/99 | 4:05 | ~~Joe Burleigh~~ | ~~9/24/99~~ | ~~16:40~~ | |
| 1 | | | | Joe Burleigh | 9/24/99 | 4:05 | |
| 2 | Joe Burleigh | 9/30/99 | 16:45 | Shannon Hewitt | 9/30/99 | 1645 | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | WALFGW4092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 08:25 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 0.406 | mg/l | 0.075 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Antimony | U | mg/l | 0.050 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Arsenic | U | mg/l | 0.002 | 30-SEP-99 | EPA 7062 | 97-198-28 |
| Barium | 0.235 | mg/l | 0.016 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Beryllium | U | mg/l | 0.002 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Cadmium | U | mg/l | 0.0050 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Calcium | 136 | mg/l | 0.500 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Chromium | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Cobalt | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Copper | U | mg/l | 0.017 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Iron | 2.75 | mg/l | 0.040 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Lead | 0.004 | mg/l | 0.001 | 05-OCT-99 | EPA 7421 | 98-194-42 |
| Magnesium | 26.5 | mg/l | 0.500 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Manganese | 1.68 | mg/l | 0.005 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Mercury | U | mg/l | 0.0002 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | U | mg/l | 0.012 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Potassium | 8.72 | mg/l | 0.500 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Sodium | 59.9 | mg/l | 0.200 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Thallium | U | mg/l | 0.001 | 11-OCT-99 | EPA 7841 | 98-187-53 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
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| ORIGIN : | WALFGW4092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 08:25 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Zinc | U | mg/l | 0.020 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Vinyl chloride | U | ug/l | 2 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Chloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Bromomethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Acetone | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Carbon disulfide | 26 | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Methylene chloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Chloroform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Carbon tetrachloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Benzene | U | ug/l | 0.7 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,2-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Trichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,2-Dichloropropane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Bromodichloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Methyl isobutyl ketone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Toluene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Tetrachloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 2-Hexanone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Dibromochloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Chlorobenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Ethylbenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| o-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Styrene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Bromoform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |



DC RL NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
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| ORIGIN : | WALFGW4092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 08:25 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| UNKNOWN | 6 | ug/l | J | 24.51 | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100 | % | | | | 99-158-9236 |
| Toluene-d8 | 99 | % | | | | 99-158-9236 |
| 4-Bromofluorobenzene | 97 | % | | | | 99-158-9236 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| beta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| delta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Heptachlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Aldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Heptachlor epoxide | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endosulfan I | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| 4,4'-DDE | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Dieldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endosulfan II | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| 4,4'-DDD | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endrin aldehyde | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endosulfan sulfate | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| 4,4'-DDT | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Methoxychlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Chlordane | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Toxaphene | U | ug/l | 0.5 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Extraction Information: | | | | 30-SEP-99 | | 99-154-52 |



QC Rp NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 14-OCT-1999

LAB SAMPLE ID : L39015-1

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | WALFGW4092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: Decachlorobiphenyl | 54 | % | | | | 99-127-7956 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1221 | U | ug/l | 0.2 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1232 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1242 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1248 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1254 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1260 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| Surrogate Recovery: Tetrachloro-m-xylene | 54 | % | | | | 99-127-7956 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Phenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Chlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Hexachloroethane | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Nitrobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Isophorone | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Nitrophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Naphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Chloroaniline | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Hexachlorobutadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Methylnaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| SAMPLED ON : | 23-SEP-99 12:30 by CLIENT |
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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Hexachlorocyclopentadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Chloronaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Dimethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Acenaphthylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 3-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Acenaphthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Dibenzofuran | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Nitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Diethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Fluorene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Hexachlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Pentachlorophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Phenanthrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Carbazole | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Di-n-butyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Butylbenzyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(a)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Chrysene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Di-n-octyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(a)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(g,h,i)perylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | WALFGW4092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 29-SEP-99 | | 99-137-55 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 5 | ug/l | J | 15.6 |
| Unknown | 6 | ug/l | J | 17.3 |
| Unknown | 4 | ug/l | J | 17.59 |
| Unknown | 5 | ug/l | J | 18.7 |
| Unknown | 5 | ug/l | J | 18.76 |
| Unknown | 5 | ug/l | J | 21.12 |
| Unknown | 6 | ug/l | J | 21.28 |
| Unknown | 6 | ug/l | J | 22.05 |
| Unknown | 8 | ug/l | J | 22.16 |
| Unknown | 5 | ug/l | J | 22.5 |
| Unknown | 13 | ug/l | J | 23.83 |
| Unknown | 10 | ug/l | J | 24.72 |
| Unknown | 6 | ug/l | J | 25.16 |
| Unknown | 10 | ug/l | J | 26.02 |
| Unknown | 5 | ug/l | J | 26.37 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 70 | % | 98-051-9289 |
| 2-Fluorophenol | 38 | % | 98-051-9289 |
| Phenol-d5 | 25 | % | 98-051-9289 |
| 2,4,6-Tribromophenol | 80 | % | 98-051-9289 |
| Nitrobenzene-d5 | 60 | % | 98-051-9289 |
| 2-Fluorobiphenyl | 62 | % | 98-051-9289 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39015-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9289.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 15

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 15.60 | 5 | J |
| 2. | | 17.30 | 6 | |
| 3. | | 17.59 | 4 | |
| 4. | | 18.70 | 5 | |
| 5. | | 18.76 | 5 | |
| 6. | | 21.12 | 5 | |
| 7. | | 21.28 | 6 | |
| 8. | | 22.05 | 6 | |
| 9. | | 22.16 | 8 | |
| 10. | | 22.50 | 5 | |
| 11. | | 23.83 | 13 | |
| 12. | | 24.72 | 10 | |
| 13. | | 25.16 | 6 | |
| 14. | | 26.02 | 10 | |
| 15. | | 26.37 | 5 | |
| 16. | | | | |
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FORM I-CLP-SV-TIC

10/1/99

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39015-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 09231.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: 1

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

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

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 24.51 | 6 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID :L39015-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | TRIP BLANK |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 00:00 by FLI/BB |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Vinyl chloride | U | ug/l | 2 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Chloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Bromomethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Acetone | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Carbon disulfide | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Methylene chloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Chloroform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Carbon tetrachloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Benzene | U | ug/l | 0.7 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,2-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Trichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,2-Dichloropropane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Bromodichloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Methyl isobutyl ketone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Toluene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Tetrachloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 2-Hexanone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Dibromochloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Chlorobenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Ethylbenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| o-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Styrene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Bromoform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID :L39015-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | TRIP BLANK |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 00:00 by FLI/BB |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 97 | % | | | | 99-158-9237 |
| Toluene-d8 | 100 | % | | | | 99-158-9237 |
| 4-Bromofluorobenzene | 97 | % | | | | 99-158-9237 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L3 9015-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9237.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS: (µg/L or µg/Kg) _____ 9/29

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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FORM I-CLP-VOA-TIC

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

# FAGAN ENGINEERS

# AMERICAN LAFRANCE

# SAMPLED: SEPTEMBER 23-24, 1999

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF

P.O. # 97150

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

639061

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 9-23-99 13:00 pm | S-ALFGW1A092399 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -1 |
| 9-23-99 17:30 | S-ALFG1A092399 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -2 |
| 9-23-99 19:45 | SALFG-2A092399 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per Contract | -3 |
| 9-23-99 20:15 | SALFG3A092399 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -4 |

| RELINQUISHED BY | DATE / TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 9-24-99 430 pm | Stacey Matthews | 9/24/99 4:20 | 19.6 Temp as Received |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

Sample Site: ALF
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

L39061

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 9-23-99 21:25 | S-ALFG-8A092399 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -5 |
| 9-24-99 09:00 | S-ALFG-8B092499 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -6 |
| 9-24-99 0945 | S-ALFG-W2A092499 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -7 |
| 9-24-99 1200 | SALFG-13A092499 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -8 |

| RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 9-24-99 4:30 pm | Stacey Matthews | 9/24/99 4:30 | |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

Sample Site: ALF
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

139061

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER |
|---|---|---|---|---|
| 9-24-99 1300 | S-ALFGW4092499 | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -9 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

LAB USE ONLY

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 9-24-99 430 pm | Stacey Matthews | 9/24/99 4:20 | |
| | | | | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan Engineers
ADDRESS: 113 E. Chemung Place Elmira NY 14904
PHONE: 607-734-2165 FAX:

INVOICE TO:
ADDRESS:

Sample Site: American LaFrance

P.O. #

PROJECT NO. / NAME: American LaFrance 97-150

COPY TO:
ADDRESS:

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | $HNO_3$ pH <2 | $H_2SO_4$ pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER |
|---|---|---|---|---|
| 9-24-99 1:15pm | ALFGW3092499 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per Contract | 639061-10 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

LAB USE ONLY

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 9-24-99 4:30pm | Stacey Matthews | 9/24/99 4:20 | |

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT MODERATE HIGH (please circle)

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Volatiles

Fraction/Parameter 8260

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39061-1 | | | | |
| | L39061-2 | | | | |
| | L39061-3 | | | | |
| | L39061-4 | | | | |
| | L39061-5 | | | | |
| | L39061-6 | | | | |
| | L39061-7 | | | | |
| | L39061-8 | | | | |
| | L39061-9 | | | | |
| | L39061-10 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/27/99 | 940 | Scott J. Bonyschuk | 9-27-99 | 9:40 | |
| 1 | Scott J. Bonyschuk | 10-5-99 | 2:00 | Shannon M Bennett | 10-5-99 | 1400 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

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Lab Department: Semi-VOC

Fraction/Parameter: ~~8082~~ 8270

SDG/Project: Fagan / American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39061-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Stroud | 10/5/99 | 16:14 | [illegible] | 10/5/99 | 16:14 | |
| 1 | [illegible] | 10/6/99 | 9:30 | [illegible] | 10/6/99 | 8:30 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

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Lab Department: Semi Vol.

Fraction/Parameter: 8270

SDG/Project: Fagan / American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39061-1 | | | | |
| | L39061-2 | | | | |
| | L39061-3 | | | | |
| | L39061-4 | | | | |
| | L39061-5 | | | | |
| | L39061-6 | | | | |
| | L39061-7 | | | | |
| | L39061-8 | | | | |
| | L39061-9 | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/4/99 | 1447 | Faith Audison | 10/4/99 | 1447 | |
| 1 | Faith Audison | 10/5/99 | 9:56 | Shannon M Bennett | 10/5/99 | 9:56 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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# Laboratory Chronicle

**FLI**
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LABORATORY
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Lab Department Semivol

Fraction/Parameter 8270

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| 1 | L39061-1 | | | | |
| 1 | L39061-2 | | | | |
| 1 | L39061-3 | | | | |
| 1 | L39061-4 | | | | |
| 1 | L39061-5 | | | | |
| 1 | L39061-6 | | | | |
| 1 | L39061-7 | | | | |
| 1 | L39061-8 | | | | |
| 1 | L39061-9 | | | | |
| 2 | L39061-10 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/28/99 | 1220 | [illegible] | 9/28/99 | 12:20 | |
| 1 | [illegible] | 9/28/99 | 17:00 | Shannon M Bennett | 9/28/99 | 17:00 | |
| 2 | Shannon M Bennett | 9/28/99 | 1330 | [illegible] | 9/28/99 | 13:30 | C |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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# Laboratory Chronicle

**FLI**
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Lab Department Semivol

Fraction/Parameter 8081/8082

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| 1 | L39061-1 | | | | |
| 1 | L39061-2 | | | | |
| 1 | L39061-3 | | | | |
| 1 | L39061-4 | | | | |
| 1 | L39061-5 | | | | |
| 1 | L39061-6 | | | | |
| 1 | L39061-7 | | | | |
| 1 | L39061-8 | | | | |
| 1 | L39061-9 | | | | |
| 2 | L39061-10 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lonnie Jones | 9/28/99 | 12:16 | Kathy Anderson | 9/28/99 | 12:16 | |
| 1 | Kathy Anderson | 9/29/99 | 11:26 | [illegible] | 9/29/99 | 11:26 | |
| 2 | Shannon McKennett | 9/30/99 | 8:30 | [illegible] | 9/30/99 | 8:30 | C |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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# Laboratory Chronicle

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LABORATORY
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Lab Department Metals

SDG/Project Fagan/American LaFrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39061-1 | | | | |
| | L39061-2 | | | | |
| | L39061-3 | | | | |
| | L39061-4 | | | | |
| | L39061-5 | | | | |
| | L39061-6 | | | | |
| | L39061-7 | | | | |
| | L39061-8 | | | | |
| | L39061-9 | | | | |
| | L39061-10 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/29/99 | 1515 | Joe Burleigh | 9/29/99 | 1515 | |
| 1 | Joe Burleigh | 10/4/99 | 9:00 | Shannon M Bennett | 10/4/99 | 900 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
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Lab Department Wetchem

Fraction/Parameter Total Solids

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39061-1 | | | | |
| | L39061-2 | | | | |
| | L39061-3 | | | | |
| | L39061-4 | | | | |
| | L39061-5 | | | | |
| | L39061-6 | | | | |
| | L39061-7 | | | | |
| | L39061-8 | | | | |
| | L39061-9 | | | | |
| | L39061-10 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/28/99 | 800 | [illegible] | 9/28/99 | 8:00 | |
| 1 | [illegible] | 9/28/99 | 4:20 | Shannon M Bennett | 9/28/99 | 16:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 25-OCT-1999

LAB SAMPLE ID : L39061-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 89.12 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 5490 | mg/kg | 8.89 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 5.93 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 14.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 60.7 | mg/kg | 1.67 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.292 | mg/kg | 0.237 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5930 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 25500 | mg/kg | 59.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 11.1 | mg/kg | 1.05 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 3.89 | mg/kg | 1.19 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 22.8 | mg/kg | 2.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 13700 | mg/kg | 4.74 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 15.2 | mg/kg | 4.60 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 12400 | mg/kg | 59.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 605 | mg/kg | 0.593 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.017 | mg/kg | 0.0100 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 12.8 | mg/kg | 1.42 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 736 | mg/kg | 59.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 8.30 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.19 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Sodium | 123 | mg/kg | 23.7 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs... Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFGW1A092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 13:00 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.71 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 9.69 | mg/kg | 1.19 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 90.6 | mg/kg | 2.37 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Vinyl chloride | U | ug/kg | 2 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Chloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Bromomethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,1-Dichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Acetone | U | ug/kg | 27 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Carbon disulfide | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Methylene chloride | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| trans-1,2-Dichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,1-Dichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| cis-1,2-Dichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 27 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Chloroform | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,1,1-Trichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Carbon tetrachloride | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Benzene | U | ug/kg | 0.8 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,2-Dichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Trichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,2-Dichloropropane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Bromodichloromethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| cis-1,3-Dichloropropene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Toluene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| trans-1,3-Dichloropropene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,1,2-Trichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Tetrachloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 2-Hexanone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Dibromochloromethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Chlorobenzene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Ethylbenzene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| p-Xylene/m-Xylene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| o-Xylene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| Styrene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-1

Fagan Engineers
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Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8352 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Surrogate Recovery: | | | | |
| Dibromofluoromethane | 102 | % | | 99-157-8352 |
| Toluene-d8 | 100 | % | | 99-157-8352 |
| 4-Bromofluorobenzene | 103 | % | | 99-157-8352 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| beta-BHC | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Lindane (gamma-BHC) | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| delta-BHC | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Heptachlor | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Aldrin | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Heptachlor epoxide | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Endosulfan I | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| 4,4'-DDE | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Dieldrin | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Endrin | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Endosulfan II | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| 4,4'-DDD | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Endrin aldehyde | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Endosulfan sulfate | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| 4,4'-DDT | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Methoxychlor | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Chlordane | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8016 |
| Toxaphene | U | mg/kg | 0.06 | 11-OCT-99 | EPA 8081 | 99-127-8016 |



QC RB NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 112 | % | | | | 99-127-8016 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| PCB 1221 | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| PCB 1232 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| PCB 1242 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| PCB 1248 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| PCB 1254 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| PCB 1260 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8016 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 112 | % | | | | 99-127-8016 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Phenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Chlorophenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 1,3-Dichlorobenzene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 1,4-Dichlorobenzene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 1,2-Dichlorobenzene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Bis(2-chloroisopropylether) | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Methylphenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Hexachloroethane | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Nitrobenzene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Isophorone | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Nitrophenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,4-Dimethylphenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,4-Dichlorophenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Naphthalene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloroaniline | U | ug/kg | 480 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Hexachlorobutadiene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 4-Chloro-3-methylphenol | U | ug/kg | 480 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Methylnaphthalene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Hexachlorocyclopentadiene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,4,6-Trichlorophenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,4,5-Trichlorophenol | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Chloronaphthalene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Nitroaniline | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Dimethyl phthalate | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Acenaphthylene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,6-Dinitrotoluene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 3-Nitroaniline | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Acenaphthene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,4-Dinitrophenol | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Dibenzofuran | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2,4-Dinitrotoluene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 4-Nitrophenol | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Diethyl phthalate | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Fluorene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 4-Chlorophenylphenylether | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 4-Nitroaniline | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| N-Nitrosodiphenylamine | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 4-Bromophenylphenylether | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Hexachlorobenzene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Pentachlorophenol | U | ug/kg | 970 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Phenanthrene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Anthracene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Carbazole | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Di-n-butyl phthalate | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Fluoranthene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Pyrene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Butylbenzyl phthalate | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Benzo(a)anthracene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| 3,3-Dichlorobenzidine | U | ug/kg | 480 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Chrysene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Bis-2-ethylhexyl phthalate | 170 J | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Di-n-octyl phthalate | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Benzo(b)fluoranthene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Benzo(k)fluoranthene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Benzo(a)pyrene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |



QC NJ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Dibenzo(a,h)anthracene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Benzo(g,h,i)perylene | U | ug/kg | 240 | 06-OCT-99 | EPA 8270 | 98-051-9329 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 210 | ug/kg | A | 8.05 |
| UNKNOWN | 210 | ug/kg | J | 17.31 |
| UNKNOWN | 220 | ug/kg | J | 21.55 |
| UNKNOWN | 300 | ug/kg | J | 22.22 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 75 | % | 98-051-9329 |
| 2-Fluorophenol | 75 | % | 98-051-9329 |
| Phenol-d5 | 80 | % | 98-051-9329 |
| 2,4,6-Tribromophenol | 76 | % | 98-051-9329 |
| Nitrobenzene-d5 | 84 | % | 98-051-9329 |
| 2-Fluorobiphenyl | 76 | % | 98-051-9329 |

Analysis Comment: Results Calculated on a dry weight basis.



QC Rl NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: L835-2

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |



10/1/99

Fagan

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9329.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 4

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 8.05 | 210 | A |
| 2. | Unknown | 17.31 | 210 | J |
| 3. | ↓ | 21.55 | 220 | ↓ |
| 4. | ↓ | 22.22 | 300 | ↓ |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
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| 21. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

R13177 ✓ 10/7/99

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 27-OCT-1999

LAB SAMPLE ID : L39061-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFG1A092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 17:30 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 90.78 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 3800 | mg/kg | 8.50 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 110 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 13.5 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 33.6 | mg/kg | 1.64 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | U | mg/kg | 0.227 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5660 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 59800 | mg/kg | 1100 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 9.02 | mg/kg | 1.03 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 2.35 | mg/kg | 1.13 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 18.2 | mg/kg | 1.93 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 9470 | mg/kg | 4.53 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 11.9 | mg/kg | 4.51 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 32500 | mg/kg | 1100 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 371 | mg/kg | 0.566 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | U | mg/kg | 0.0110 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 9.58 | mg/kg | 1.36 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 578 | mg/kg | 56.6 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.93 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.03 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 161 | mg/kg | 22.6 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| ORIGIN | S-ALFG1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 17:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.36 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 8.6 | mg/kg | 1.13 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 35.2 | mg/kg | 2.27 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Vinyl chloride | U | ug/kg | 2 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Chloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Bromomethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,1-Dichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Acetone | U | ug/kg | 27 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Carbon disulfide | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Methylene chloride | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| trans-1,2-Dichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,1-Dichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| cis-1,2-Dichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 27 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Chloroform | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,1,1-Trichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Carbon tetrachloride | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Benzene | U | ug/kg | 0.8 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,2-Dichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Trichloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,2-Dichloropropane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Bromodichloromethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| cis-1,3-Dichloropropene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Toluene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| trans-1,3-Dichloropropene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,1,2-Trichloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Tetrachloroethene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 2-Hexanone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Dibromochloromethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Chlorobenzene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Ethylbenzene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| p-Xylene/m-Xylene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| o-Xylene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| Styrene | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-OCT-1999

LAB SAMPLE ID : L39061-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 17:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 5 | 28-SEP-99 | EPA 8260 | 99-157-8353 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 110 | ug/kg | J | 21.01 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 102 | % | 99-157-8353 |
| Toluene-d8 | 103 | % | 99-157-8353 |
| 4-Bromofluorobenzene | 106 | % | 99-157-8353 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| beta-BHC | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| delta-BHC | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Heptachlor | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Aldrin | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Endosulfan I | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| 4,4'-DDE | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Dieldrin | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Endrin | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Endosulfan II | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| 4,4'-DDD | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Endrin aldehyde | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| 4,4'-DDT | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Methoxychlor | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Chlordane | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8017 |
| Toxaphene | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8081 | 99-127-8017 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-OCT-1999

LAB SAMPLE ID : L39061-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 17:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 116 | % | | | | 99-127-8017 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.007 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| PCB 1221 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| PCB 1232 | U | mg/kg | 0.007 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| PCB 1242 | U | mg/kg | 0.007 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| PCB 1248 | U | mg/kg | 0.007 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| PCB 1254 | U | mg/kg | 0.007 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| PCB 1260 | U | mg/kg | 0.007 | 11-OCT-99 | EPA 8082 | 99-127-8017 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 116 | % | | | | 99-127-8017 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Phenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Chlorophenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 1,3-Dichlorobenzene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 1,4-Dichlorobenzene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 1,2-Dichlorobenzene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Bis(2-chloroisopropylether) | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Methylphenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Hexachloroethane | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Nitrobenzene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Isophorone | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Nitrophenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,4-Dimethylphenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,4-Dichlorophenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Naphthalene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 4-Chloroaniline | U | ug/kg | 420 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Hexachlorobutadiene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-OCT-1999

LAB SAMPLE ID : L39061-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 17:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/kg | 420 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Methylnaphthalene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Hexachlorocyclopentadiene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,4,6-Trichlorophenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,4,5-Trichlorophenol | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Chloronaphthalene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Nitroaniline | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Dimethyl phthalate | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Acenaphthylene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,6-Dinitrotoluene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 3-Nitroaniline | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Acenaphthene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,4-Dinitrophenol | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Dibenzofuran | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2,4-Dinitrotoluene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 4-Nitrophenol | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Diethyl phthalate | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Fluorene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 4-Chlorophenylphenylether | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 4-Nitroaniline | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| N-Nitrosodiphenylamine | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 4-Bromophenylphenylether | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Hexachlorobenzene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Pentachlorophenol | U | ug/kg | 830 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Phenanthrene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Anthracene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Carbazole | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Di-n-butyl phthalate | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Fluoranthene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Pyrene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Butylbenzyl phthalate | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Benzo(a)anthracene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| 3,3-Dichlorobenzidine | U | ug/kg | 420 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Chrysene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Di-n-octyl phthalate | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Benzo(b)fluoranthene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Benzo(k)fluoranthene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Benzo(a)pyrene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Dibenzo(a,h)anthracene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 27-OCT-1999

LAB SAMPLE ID :L39061-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG1A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 17:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/kg | 210 | 07-OCT-99 | EPA 8270 | 98-051-9344 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 180 | ug/kg | J | 34.24 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 85 | % | 98-051-9344 |
| 2-Fluorophenol | 57 | % | 98-051-9344 |
| Phenol-d5 | 63 | % | 98-051-9344 |
| 2,4,6-Tribromophenol | 63 | % | 98-051-9344 |
| Nitrobenzene-d5 | 66 | % | 98-051-9344 |
| 2-Fluorobiphenyl | 68 | % | 98-051-9344 |

Analysis Comment: Results Calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L 39061-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C 4353

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

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

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 21.07 | 110 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

10/1/99

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9344.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 34.24 | 180 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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| 30. | | | | |

FORM I-CLP-SV-TIC

10/8/99

FLI
FRIEND LABORATORY · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG2A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 19:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 89.55 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 6430 | mg/kg | 7.64 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 5.09 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 61.1 | mg/kg | 1.63 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.281 | mg/kg | 0.204 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5090 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 13600 | mg/kg | 50.9 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 12.6 | mg/kg | 1.02 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 4.36 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 47.8 | mg/kg | 1.73 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 15700 | mg/kg | 4.08 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 23.3 | mg/kg | 4.47 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 7100 | mg/kg | 50.9 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 618 | mg/kg | 0.509 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.1 | mg/kg | 0.0110 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 16.5 | mg/kg | 1.22 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 690 | mg/kg | 50.9 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.13 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.02 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 147 | mg/kg | 20.3 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC RV NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 25-OCT-1999

LAB SAMPLE ID : L39061-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG2A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 19:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.62 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 10 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 92 | mg/kg | 2.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Vinyl chloride | U | ug/kg | 2 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Chloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Bromomethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,1-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Acetone | U | ug/kg | 28 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Carbon disulfide | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Methylene chloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| trans-1,2-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,1-Dichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| cis-1,2-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 28 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Chloroform | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,1,1-Trichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Carbon tetrachloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Benzene | U | ug/kg | 0.8 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,2-Dichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Trichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,2-Dichloropropane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Bromodichloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| cis-1,3-Dichloropropene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Toluene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| trans-1,3-Dichloropropene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,1,2-Trichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Tetrachloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 2-Hexanone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Dibromochloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Chlorobenzene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Ethylbenzene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| p-Xylene/m-Xylene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| o-Xylene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| Styrene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY
I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 25-OCT-1999

LAB SAMPLE ID : L39061-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG2A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 19:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8354 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Surrogate Recovery: | | | | |
| Dibromofluoromethane | 100 | % | | 99-157-8354 |
| Toluene-d8 | 104 | % | | 99-157-8354 |
| 4-Bromofluorobenzene | 104 | % | | 99-157-8354 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| beta-BHC | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| delta-BHC | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Heptachlor | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Aldrin | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Endosulfan I | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| 4,4'-DDE | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Dieldrin | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Endrin | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Endosulfan II | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| 4,4'-DDD | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Endrin aldehyde | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| 4,4'-DDT | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Methoxychlor | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Chlordane | U | mg/kg | 0.005 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Toxaphene. | U | mg/kg | 0.05 | 24-OCT-99 | EPA 8081 | 99-127-8163 |
| Extraction Information: | | | | 14-OCT-99 | | 99-154-68 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 25-OCT-1999

LAB SAMPLE ID : L39061-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG2A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 19:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 117 | % | | | | 99-127-8163 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| PCB 1221 | U | mg/kg | 0.02 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| PCB 1232 | U | mg/kg | 0.01 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| PCB 1242 | U | mg/kg | 0.01 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| PCB 1248 | U | mg/kg | 0.01 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| PCB 1254 | U | mg/kg | 0.01 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| PCB 1260 | U | mg/kg | 0.01 | 24-OCT-99 | EPA 8082 | 99-127-8163 |
| Extraction Information: | | | | 14-OCT-99 | | 99-154-68 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 117 | % | | | | 99-127-8163 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Phenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Chlorophenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 1,3-Dichlorobenzene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 1,4-Dichlorobenzene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 1,2-Dichlorobenzene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Bis(2-chloroisopropylether) | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Methylphenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Hexachloroethane | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Nitrobenzene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Isophorone | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Nitrophenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,4-Dimethylphenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,4-Dichlorophenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Naphthalene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE : 25-OCT-1999

LAB SAMPLE ID : L39061-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
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| ORIGIN | S-ALFG2A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 19:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloroaniline | U | ug/kg | 490 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Hexachlorobutadiene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 4-Chloro-3-methylphenol | U | ug/kg | 490 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Methylnaphthalene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Hexachlorocyclopentadiene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,4,6-Trichlorophenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,4,5-Trichlorophenol | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Chloronaphthalene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Nitroaniline | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Dimethyl phthalate | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Acenaphthylene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,6-Dinitrotoluene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 3-Nitroaniline | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Acenaphthene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,4-Dinitrophenol | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Dibenzofuran | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2,4-Dinitrotoluene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 4-Nitrophenol | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Diethyl phthalate | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Fluorene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 4-Chlorophenylphenylether | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 4-Nitroaniline | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| N-Nitrosodiphenylamine | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 4-Bromophenylphenylether | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Hexachlorobenzene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Pentachlorophenol | U | ug/kg | 980 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Phenanthrene | 94 J | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Anthracene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Carbazole | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Di-n-butyl phthalate | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Fluoranthene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Pyrene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Butylbenzyl phthalate | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Benzo(a)anthracene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| 3,3-Dichlorobenzidine | U | ug/kg | 490 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Chrysene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Bis-2-ethylhexyl phthalate | 260 | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Di-n-octyl phthalate | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Benzo(b)fluoranthene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Benzo(k)fluoranthene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Benzo(a)pyrene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-3

Fagan Engineers
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Elmira, NY 14904

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| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG2A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 19:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Dibenzo(a,h)anthracene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Benzo(g,h,i)perylene | U | ug/kg | 250 | 06-OCT-99 | EPA 8270 | 98-051-9333 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 550 | ug/kg | A | 8.01 |
| UNKNOWN | 200 | ug/kg | J | 34.16 |
| UNKNOWN | 200 | ug/kg | J | 34.24 |
| UNKNOWN | 270 | ug/kg | J | 34.59 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 81 | % | 98-051-9333 |
| 2-Fluorophenol | 49 | % | 98-051-9333 |
| Phenol-d5 | 54 | % | 98-051-9333 |
| 2,4,6-Tribromophenol | 70 | % | 98-051-9333 |
| Nitrobenzene-d5 | 58 | % | 98-051-9333 |
| 2-Fluorobiphenyl | 62 | % | 98-051-9333 |

Analysis Comment: Results Calculated on a dry weight basis.



QC 4b NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8354d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 19. | | | | |
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| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

KH 10/1/99

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9333.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 4

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 8.01 | 550 | A |
| 2. | Unknown | 34.16 | 200 | J |
| 3. | | 34.24 | 200 | |
| 4. | | 34.59 | 270 | |
| 5. | | | | |
| 6. | | | | |
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| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39061-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFG3A092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 20:15 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 84.28 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 8560 | mg/kg | 9.00 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 6.00 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 14.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 238 | mg/kg | 1.85 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.55 | mg/kg | 0.240 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.6000 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 8240 | mg/kg | 60.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 13.3 | mg/kg | 1.16 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 5.74 | mg/kg | 1.20 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 425 | mg/kg | 2.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 16300 | mg/kg | 4.80 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 65.1 | mg/kg | 5.09 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 2500 | mg/kg | 60.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 1200 | mg/kg | 0.600 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.15 | mg/kg | 0.0120 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 25.9 | mg/kg | 1.44 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 927 | mg/kg | 60.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 8.40 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.16 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 103 | mg/kg | 24.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.80 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 11.8 | mg/kg | 1.20 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 184 | mg/kg | 2.40 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Vinyl chloride | U | ug/kg | 2 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Chloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Bromomethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,1-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Acetone | U | ug/kg | 28 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Carbon disulfide | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Methylene chloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| trans-1,2-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,1-Dichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| cis-1,2-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 28 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Chloroform | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,1,1-Trichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Carbon tetrachloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Benzene | U | ug/kg | 0.8 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,2-Dichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Trichloroethene | 68 | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,2-Dichloropropane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Bromodichloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| cis-1,3-Dichloropropene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Toluene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| trans-1,3-Dichloropropene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,1,2-Trichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Tetrachloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 2-Hexanone | U | ug/kg | 11 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Dibromochloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Chlorobenzene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Ethylbenzene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| p-Xylene/m-Xylene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| o-Xylene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| Styrene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39061-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8359 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 7 | ug/kg | J | 5.02 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 98 | % | | | | 99-157-8359 |
| Toluene-d8 | 106 | % | | | | 99-157-8359 |
| 4-Bromofluorobenzene | 105 | % | | | | 99-157-8359 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| beta-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| delta-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Heptachlor | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Aldrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Endosulfan I | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| 4,4'-DDE | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Dieldrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Endrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Endosulfan II | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| 4,4'-DDD | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Endrin aldehyde | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| 4,4'-DDT | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Methoxychlor | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Chlordane | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8022 |
| Toxaphene | U | mg/kg | 0.05 | 11-OCT-99 | EPA 8081 | 99-127-8022 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 20:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 105 | % | | | | 99-127-8022 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| PCB 1221 | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| PCB 1232 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| PCB 1242 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| PCB 1248 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| PCB 1254 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| PCB 1260 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8022 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 105 | % | | | | 99-127-8022 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Phenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Chlorophenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 1,3-Dichlorobenzene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 1,4-Dichlorobenzene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 1,2-Dichlorobenzene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Bis(2-chloroisopropylether) | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Methylphenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Hexachloroethane | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Nitrobenzene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Isophorone | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Nitrophenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270. | 98-051-9351 |
| 2,4-Dimethylphenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2,4-Dichlorophenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Naphthalene | 74 J | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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|---|---|---|---|---|---|---|
| 4-Chloroaniline | U | ug/kg | 410 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Hexachlorobutadiene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 4-Chloro-3-methylphenol | U | ug/kg | 410 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Methylnaphthalene | 52 J | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Hexachlorocyclopentadiene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2,4,6-Trichlorophenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2,4,5-Trichlorophenol | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Chloronaphthalene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Nitroaniline | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Dimethyl phthalate | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Acenaphthylene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2,6-Dinitrotoluene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 3-Nitroaniline | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Acenaphthene | 180 J | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2,4-Dinitrophenol | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Dibenzofuran | 120 J | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2,4-Dinitrotoluene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 4-Nitrophenol | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Diethyl phthalate | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Fluorene | 170 J | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 4-Chlorophenylphenylether | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 4-Nitroaniline | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| N-Nitrosodiphenylamine | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 4-Bromophenylphenylether | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Hexachlorobenzene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Pentachlorophenol | U | ug/kg | 820 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Phenanthrene | 2000 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Anthracene | 470 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Carbazole | 210 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Di-n-butyl phthalate | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Fluoranthene | 2100 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Pyrene | 2300 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Butylbenzyl phthalate | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Benzo(a)anthracene | 1300 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| 3,3-Dichlorobenzidine | U | ug/kg | 410 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Chrysene | 1200 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Di-n-octyl phthalate | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Benzo(b)fluoranthene | 1700 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Benzo(k)fluoranthene | 580 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Benzo(a)pyrene | 1400 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39061-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG3A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 20:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | 850 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Dibenzo(a,h)anthracene | U | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Benzo(g,h,i)perylene | 810 | ug/kg | 210 | 08-OCT-99 | EPA 8270 | 98-051-9351 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 210 | ug/kg | J | 5.38 |
| UNKNOWN | 250 | ug/kg | J | 6.51 |
| UNKNOWN | 200 | ug/kg | J | 7.47 |
| UNKNOWN | 200 | ug/kg | J | 27.55 |
| UNKNOWN | 220 | ug/kg | J | 28.85 |
| UNKNOWN | 300 | ug/kg | J | 28.93 |
| UNKNOWN | 340 | ug/kg | J | 29.18 |
| UNKNOWN | 180 | ug/kg | J | 29.27 |
| UNKNOWN | 360 | ug/kg | J | 29.86 |
| UNKNOWN | 170 | ug/kg | J | 35 |
| UNKNOWN | 240 | ug/kg | J | 39.3 |
| UNKNOWN | 720 | ug/kg | J | 39.89 |
| UNKNOWN | 270 | ug/kg | J | 44.25 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 77 | % | 98-051-9351 |
| 2-Fluorophenol | 53 | % | 98-051-9351 |
| Phenol-d5 | 58 | % | 98-051-9351 |
| 2,4,6-Tribromophenol | 58 | % | 98-051-9351 |
| Nitrobenzene-d5 | 61 | % | 98-051-9351 |
| 2-Fluorobiphenyl | 59 | % | 98-051-9351 |

Analysis Comment: Results Calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C 8359.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.02 | ~~8~~ 7 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

JMC 11/01/99

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9351.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 13

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.38 | 210 | J |
| 2. | | 6.51 | 250 | |
| 3. | | 7.47 | 200 | |
| 4. | | 27.55 | 200 | |
| 5. | | 28.85 | 220 | |
| 6. | | 28.93 | 300 | |
| 7. | | 29.18 | 340 | |
| 8. | | 29.27 | 180 | |
| 9. | | 29.86 | 360 | |
| 10. | | 35.00 | 170 | |
| 11. | | 39.30 | 240 | |
| 12. | | 39.89 | 720 | |
| 13. | | 44.25 | 270 | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

R13209 10/8/99

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 21:25 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 83.78 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 9320 | mg/kg | 9.33 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 6.22 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 14.9 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 342 | mg/kg | 1.94 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.542 | mg/kg | 0.249 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 10.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 2590 | mg/kg | 62.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 9.86 | mg/kg | 1.21 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 6.74 | mg/kg | 1.24 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 161 | mg/kg | 2.11 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 21200 | mg/kg | 83.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 244 | mg/kg | 5.33 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 2750 | mg/kg | 62.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 581 | mg/kg | 0.622 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.22 | mg/kg | 0.0110 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 19.2 | mg/kg | 1.49 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 831 | mg/kg | 62.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 8.71 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.21 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 92.2 | mg/kg | 24.8 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFG8A092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 21:25 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 8.08 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 15.9 | mg/kg | 1.24 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 123 | mg/kg | 2.49 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Vinyl chloride | U | ug/kg | 2 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Chloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Bromomethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,1-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Acetone | U | ug/kg | 29 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Carbon disulfide | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Methylene chloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| trans-1,2-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,1-Dichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| cis-1,2-Dichloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 29 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Chloroform | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,1,1-Trichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Carbon tetrachloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Benzene | U | ug/kg | 0.8 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,2-Dichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Trichloroethene | 7 | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,2-Dichloropropane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Bromodichloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| cis-1,3-Dichloropropene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Methyl isobutyl ketone | U | ug/kg | 12 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Toluene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| trans-1,3-Dichloropropene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,1,2-Trichloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Tetrachloroethene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 2-Hexanone | U | ug/kg | 12 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Dibromochloromethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Chlorobenzene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Ethylbenzene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| p-Xylene/m-Xylene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| o-Xylene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| Styrene | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |



QC bd NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID L39061-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 21:25 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8360 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 11 | ug/kg | J | 5.02 |

| Surrogate Recovery: | | | | |
|---|---|---|---|---|
| Dibromofluoromethane | 112 | % | | 99-157-8360 |
| Toluene-d8 | 117 | % | | 99-157-8360 |
| 4-Bromofluorobenzene | 129 * | % | | 99-157-8360 |

Analysis Comment: Dry weight basis.Internal standard 1,3,and 4 out low. * Surrogate out of limits.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| beta-BHC | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Lindane (gamma-BHC) | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| delta-BHC | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Heptachlor | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Aldrin | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Heptachlor epoxide | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Endosulfan I | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| 4,4'-DDE | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Dieldrin | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Endrin | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Endosulfan II | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| 4,4'-DDD | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Endrin aldehyde | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Endosulfan sulfate | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| 4,4'-DDT | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Methoxychlor | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Chlordane | U | mg/kg | 0.006 | 11-OCT-99 | EPA 8081 | 99-127-8018 |
| Toxaphene | U | mg/kg | 0.06 | 11-OCT-99 | EPA 8081 | 99-127-8018 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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| ORIGIN | S-ALFG8A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 21:25 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 112 | % | | | | 99-127-8018 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| PCB 1221 | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| PCB 1232 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| PCB 1242 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| PCB 1248 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| PCB 1254 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| PCB 1260 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8018 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 112 | % | | | | 99-127-8018 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Phenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Chlorophenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 1,3-Dichlorobenzene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 1,4-Dichlorobenzene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 1,2-Dichlorobenzene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Bis(2-chloroisopropylether) | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Methylphenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Hexachloroethane | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Nitrobenzene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Isophorone | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Nitrophenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,4-Dimethylphenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,4-Dichlorophenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Naphthalene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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DATE 25-OCT-1999

LAB SAMPLE ID : L39061-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 21:25 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloroaniline | U | ug/kg | 560 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Hexachlorobutadiene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 4-Chloro-3-methylphenol | U | ug/kg | 560 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Methylnaphthalene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Hexachlorocyclopentadiene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,4,6-Trichlorophenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,4,5-Trichlorophenol | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Chloronaphthalene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Nitroaniline | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Dimethyl phthalate | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Acenaphthylene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,6-Dinitrotoluene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 3-Nitroaniline | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Acenaphthene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Dibenzofuran | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2,4-Dinitrotoluene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 4-Nitrophenol | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Diethyl phthalate | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Fluorene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 4-Chlorophenylphenylether | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 4-Nitroaniline | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| N-Nitrosodiphenylamine | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 4-Bromophenylphenylether | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Hexachlorobenzene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Pentachlorophenol | U | ug/kg | 1100 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Phenanthrene | 91 J | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Anthracene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Carbazole | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Di-n-butyl phthalate | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Fluoranthene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Pyrene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Butylbenzyl phthalate | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Benzo(a)anthracene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| 3,3-Dichlorobenzidine | U | ug/kg | 560 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Chrysene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Di-n-octyl phthalate | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Benzo(b)fluoranthene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Benzo(k)fluoranthene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Benzo(a)pyrene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8A092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 21:25 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Dibenzo(a,h)anthracene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Benzo(g,h,i)perylene | U | ug/kg | 280 | 07-OCT-99 | EPA 8270 | 98-051-9338 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 91 | % | 98-051-9338 |
| 2-Fluorophenol | 64 | % | 98-051-9338 |
| Phenol-d5 | 71 | % | 98-051-9338 |
| 2,4,6-Tribromophenol | 70 | % | 98-051-9338 |
| Nitrobenzene-d5 | 78 | % | 98-051-9338 |
| 2-Fluorobiphenyl | 73 | % | 98-051-9338 |

Analysis Comment: Results Calculated on a dry weight basis.



QC RK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-5

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8360-d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) ug/kg

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.02 | 4 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC JM, 9/01/1 [illegible] 10/1/99

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8B092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 89.01 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 4630 | mg/kg | 9.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 6.03 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 14.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 49.7 | mg/kg | 1.74 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | U | mg/kg | 0.241 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.6030 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 43200 | mg/kg | 60.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 13.4 | mg/kg | 1.09 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 2.08 | mg/kg | 1.21 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 19.1 | mg/kg | 2.05 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 10500 | mg/kg | 4.82 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 15.6 | mg/kg | 4.77 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 8740 | mg/kg | 60.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 389 | mg/kg | 0.603 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.015 | mg/kg | 0.0110 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 9.38 | mg/kg | 1.45 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 554 | mg/kg | 60.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 8.44 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.09 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 123 | mg/kg | 24.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8B092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.84 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 7.66 | mg/kg | 1.21 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 38.1 | mg/kg | 2.41 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Vinyl chloride | U | ug/kg | 270 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Chloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Bromomethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,1-Dichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Acetone | U | ug/kg | 3400 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Carbon disulfide | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Methylene chloride | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| trans-1,2-Dichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,1-Dichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| cis-1,2-Dichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3400 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Chloroform | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,1,1-Trichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Carbon tetrachloride | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Benzene | U | ug/kg | 95 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,2-Dichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Trichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,2-Dichloropropane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Bromodichloromethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| cis-1,3-Dichloropropene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Toluene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| trans-1,3-Dichloropropene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,1,2-Trichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Tetrachloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 2-Hexanone | U | ug/kg | 1400 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Dibromochloromethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Chlorobenzene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Ethylbenzene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| p-Xylene/m-Xylene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| o-Xylene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| Styrene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE 25-OCT-1999

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| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8380 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 2000 | ug/kg | J | 16.45 |
| Unknown | 2700 | ug/kg | J | 17.47 |
| Unknown | 3000 | ug/kg | J | 19.01 |
| Unknown | 3140 | ug/kg | J | 20.22 |
| Unknown | 4600 | ug/kg | J | 20.89 |
| Unknown | 2500 | ug/kg | J | 20.97 |
| Unknown | 2000 | ug/kg | J | 17.28 |
| Unknown | 2000 | ug/kg | J | 19.41 |
| Unknown | 1600 | ug/kg | J | 20.01 |
| Unknown | 2500 | ug/kg | J | 20.37 |

| Surrogate Recovery: | | | | |
|---|---|---|---|---|
| Dibromofluoromethane | 102 | % | | 99-157-8380 |
| Toluene-d8 | 103 | % | | 99-157-8380 |
| 4-Bromofluorobenzene | 103 | % | | 99-157-8380 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| beta-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| delta-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Heptachlor | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Aldrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Endosulfan I | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| 4,4'-DDE | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Dieldrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Endrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Endosulfan II | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| 4,4'-DDD | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Endrin aldehyde | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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DATE 25-OCT-1999

LAB SAMPLE ID : L39061-6

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|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFG8B092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endosulfan sulfate | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| 4,4'-DDT | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Methoxychlor | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Chlordane | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Toxaphene | U | mg/kg | 0.05 | 11-OCT-99 | EPA 8081 | 99-127-8019 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 96 | % | | | | 99-127-8019 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| PCB 1221 | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| PCB 1232 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| PCB 1242 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| PCB 1248 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| PCB 1254 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| PCB 1260 | U | mg/kg | 0.01 | 11-OCT-99 | EPA 8082 | 99-127-8019 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 96 | % | | | | 99-127-8019 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Phenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Chlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 1,3-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 1,4-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 1,2-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Bis(2-chloroisopropylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Hexachloroethane | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Nitrobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Isophorone | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Nitrophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID L39061-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8B092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2,4-Dichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Naphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 4-Chloroaniline | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Hexachlorobutadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 4-Chloro-3-methylphenol | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Methylnaphthalene | 380 | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Hexachlorocyclopentadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2,4,6-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2,4,5-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Chloronaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Nitroaniline | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Dimethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Acenaphthylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2,6-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 3-Nitroaniline | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Acenaphthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2,4-Dinitrophenol | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Dibenzofuran | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2,4-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 4-Nitrophenol | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Diethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Fluorene | 140 J | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 4-Chlorophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 4-Nitroaniline | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| N-Nitrosodiphenylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 4-Bromophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Hexachlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Pentachlorophenol | U | ug/kg | 900 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Phenanthrene | 240 | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Carbazole | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Di-n-butyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Butylbenzyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Benzo(a)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| 3,3-Dichlorobenzidine | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Chrysene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8B092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bis-2-ethylhexyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Di-n-octyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Benzo(b)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Benzo(k)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Benzo(a)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Dibenzo(a,h)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Benzo(g,h,i)perylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9331 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 480 | ug/kg | J | 13.05 |
| UNKNOWN | 580 | ug/kg | J | 13.37 |
| UNKNOWN | 910 | ug/kg | J | 17.33 |
| UNKNOWN | 510 | ug/kg | J | 17.59 |
| UNKNOWN | 580 | ug/kg | J | 18.14 |
| UNKNOWN | 920 | ug/kg | J | 18.5 |
| UNKNOWN | 610 | ug/kg | J | 18.99 |
| UNKNOWN | 460 | ug/kg | J | 19.35 |
| UNKNOWN | 990 | ug/kg | J | 19.95 |
| UNKNOWN | 560 | ug/kg | J | 20.85 |
| UNKNOWN | 830 | ug/kg | J | 21.02 |
| UNKNOWN | 1100 | ug/kg | J | 21.43 |
| UNKNOWN | 1300 | ug/kg | J | 21.81 |
| UNKNOWN | 2400 | ug/kg | J | 21.93 |
| UNKNOWN | 1100 | ug/kg | J | 22.23 |
| UNKNOWN | 570 | ug/kg | J | 23.04 |
| UNKNOWN | 850 | ug/kg | J | 23.33 |
| UNKNOWN | 880 | ug/kg | J | 23.57 |
| UNKNOWN | 730 | ug/kg | J | 24.93 |
| UNKNOWN | 1400 | ug/kg | J | 25.81 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID L39061-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG8B092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 61 | % | | | | 98-051-9331 |
| 2-Fluorophenol | 54 | % | | | | 98-051-9331 |
| Phenol-d5 | 59 | % | | | | 98-051-9331 |
| 2,4,6-Tribromophenol | 60 | % | | | | 98-051-9331 |
| Nitrobenzene-d5 | 62 | % | | | | 98-051-9331 |
| 2-Fluorobiphenyl | 58 | % | | | | 98-051-9331 |

Analysis Comment: Results Calculated on a dry weight basis.



QC RK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L 39061-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8380.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

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

Number TICs found: 10

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 16.45 | 2000 | J |
| 2. | | 17.47 | 2700 | |
| 3. | | 19.01 | 3000 | |
| 4. | | 20.22 | 3140 | |
| 5. | | 20.89 | 4600 | |
| 6. | | 20.97 | 2500 | |
| 7. | | ~~21.47~~ | ~~2400~~ | |
| 8. | | ~~25.~~ 21.56 | ~~4000~~ | |
| 9. | | 21.82 | 2300 | |
| 10. | | 21.97 | 6700 | |
| 11. | Unknown | 17.28 | 2000 | J |
| 12. | | 19.44 | 2000 | |
| 13. | | 20.01 | 1600 | |
| 14. | | 20.37 | 2500 | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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| 29. | | | | |
| 30. | | | | |

10/1/99

FORM I-CLP-VOA-TIC

JUN 01 1999

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9331.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 13.05 | 480 | J |
| 2. | | 13.37 | 580 | |
| 3. | | 17.33 | 910 | |
| 4. | | 17.59 | 510 | |
| 5. | | 18.14 | 580 | |
| 6. | | 18.50 | 920 | |
| 7. | | 18.99 | 610 | |
| 8. | | 19.35 | 460 | |
| 9. | | 19.95 | 990 | |
| 10. | | 20.85 | 560 | |
| 11. | | 21.02 | 830 | |
| 12. | | 21.43 | 1100 | |
| 13. | | 21.81 | 1300 | |
| 14. | | 21.93 | 2400 | |
| 15. | | 22.23 | 1100 | |
| 16. | | 23.04 | 570 | |
| 17. | | 23.33 | 850 | |
| 18. | | 23.57 | 880 | |
| 19. | | 24.93 | 730 | |
| 20. | | 25.81 | 1400 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID :L39061-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW2A092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 82.34 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 5860 | mg/kg | 8.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 5.36 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.8 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 43.9 | mg/kg | 1.95 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.308 | mg/kg | 0.214 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5360 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 11300 | mg/kg | 53.5 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 8.54 | mg/kg | 1.22 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 4.27 | mg/kg | 1.07 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 20.8 | mg/kg | 1.82 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 14300 | mg/kg | 4.29 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 17.5 | mg/kg | 5.36 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Magnesium | 7050 | mg/kg | 53.5 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 274 | mg/kg | 0.536 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.028 | mg/kg | 0.0120 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 14.9 | mg/kg | 1.29 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 780 | mg/kg | 53.5 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.50 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.22 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 107 | mg/kg | 21.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW2A092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.96 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 9.98 | mg/kg | 1.07 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 77.2 | mg/kg | 2.14 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Vinyl chloride | U | ug/kg | 270 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Chloroethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Bromomethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,1-Dichloroethene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Acetone | U | ug/kg | 3400 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Carbon disulfide | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Methylene chloride | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| trans-1,2-Dichloroethene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,1-Dichloroethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| cis-1,2-Dichloroethene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3400 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Chloroform | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,1,1-Trichloroethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Carbon tetrachloride | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Benzene | U | ug/kg | 96 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,2-Dichloroethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Trichloroethene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,2-Dichloropropane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Bromodichloromethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| cis-1,3-Dichloropropene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Toluene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| trans-1,3-Dichloropropene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,1,2-Trichloroethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Tetrachloroethene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 2-Hexanone | U | ug/kg | 1400 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Dibromochloromethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Chlorobenzene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Ethylbenzene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| p-Xylene/m-Xylene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| o-Xylene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| Styrene | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID L39061-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW2A092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 690 | 30-SEP-99 | EPA 8260 | 99-157-8381 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 4100 | ug/kg | J | 16.44 |
| Unknown | 4800 | ug/kg | J | 17.46 |
| Unknown | 3800 | ug/kg | J | 19 |
| Unknown | 4000 | ug/kg | J | 20.83 |
| Unknown | 6000 | ug/kg | J | 20.97 |
| Unknown | 3600 | ug/kg | J | 21.39 |
| Unknown | 3600 | ug/kg | J | 15.2 |
| Unknown | 3200 | ug/kg | J | 20 |
| Unknown | 2800 | ug/kg | J | 20.22 |
| Unknown | 3000 | ug/kg | J | 17.85 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 103 | % | | | | 99-157-8381 |
| Toluene-d8 | 104 | % | | | | 99-157-8381 |
| 4-Bromofluorobenzene | 111 | % | | | | 99-157-8381 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| beta-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| delta-BHC | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Heptachlor | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Aldrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Endosulfan I | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| 4,4'-DDE | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Dieldrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Endrin | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Endosulfan II | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| 4,4'-DDD | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Endrin aldehyde | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |



QC RP NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 25-OCT-1999

LAB SAMPLE ID : L39061-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endosulfan sulfate | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| 4,4'-DDT | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Methoxychlor | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Chlordane | U | mg/kg | 0.005 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Toxaphene | U | mg/kg | 0.05 | 11-OCT-99 | EPA 8081 | 99-127-8020 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 73 | % | | | | 99-127-8020 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| PCB 1221 | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| PCB 1232 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| PCB 1242 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| PCB 1248 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| PCB 1254 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| PCB 1260 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8020 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 73 | % | | | | 99-127-8020 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Phenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Chlorophenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 1,3-Dichlorobenzene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 1,4-Dichlorobenzene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 1,2-Dichlorobenzene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Bis(2-chloroisopropylether) | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Methylphenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Hexachloroethane | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Nitrobenzene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Isophorone | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Nitrophenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID :L39061-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW2A092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 09:45 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2,4-Dichlorophenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Naphthalene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 4-Chloroaniline | U | ug/kg | 520 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Hexachlorobutadiene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 4-Chloro-3-methylphenol | U | ug/kg | 520 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Methylnaphthalene | 460 | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Hexachlorocyclopentadiene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2,4,6-Trichlorophenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2,4,5-Trichlorophenol | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Chloronaphthalene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Nitroaniline | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Dimethyl phthalate | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Acenaphthylene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2,6-Dinitrotoluene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 3-Nitroaniline | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Acenaphthene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2,4-Dinitrophenol | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Dibenzofuran | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2,4-Dinitrotoluene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 4-Nitrophenol | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Diethyl phthalate | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Fluorene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 4-Chlorophenylphenylether | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 4-Nitroaniline | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| N-Nitrosodiphenylamine | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 4-Bromophenylphenylether | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Hexachlorobenzene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Pentachlorophenol | U | ug/kg | 1000 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Phenanthrene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Anthracene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Carbazole | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Di-n-butyl phthalate | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Fluoranthene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Pyrene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Butylbenzyl phthalate | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Benzo(a)anthracene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| 3,3-Dichlorobenzidine | U | ug/kg | 520 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Chrysene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 25-OCT-1999

LAB SAMPLE ID : L39061-7

Fagan Engineers
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113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFGW2A092499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 24-SEP-99 09:45 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bis-2-ethylhexyl phthalate | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Di-n-octyl phthalate | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Benzo(b)fluoranthene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Benzo(k)fluoranthene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Benzo(a)pyrene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Dibenzo(a,h)anthracene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Benzo(g,h,i)perylene | U | ug/kg | 260 | 06-OCT-99 | EPA 8270 | 98-051-9332 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 770 | ug/kg | J | 7.7 |
| UNKNOWN | 730 | ug/kg | J | 8.38 |
| UNKNOWN | 620 | ug/kg | J | 9.28 |
| UNKNOWN | 570 | ug/kg | J | 9.4 |
| UNKNOWN | 720 | ug/kg | J | 9.51 |
| UNKNOWN | 310 | ug/kg | J | 9.73 |
| UNKNOWN | 1200 | ug/kg | J | 9.98 |
| UNKNOWN | 600 | ug/kg | J | 10.36 |
| UNKNOWN | 470 | ug/kg | J | 10.43 |
| UNKNOWN | 990 | ug/kg | J | 10.73 |
| UNKNOWN | 1100 | ug/kg | J | 10.88 |
| UNKNOWN | 1500 | ug/kg | J | 11.28 |
| UNKNOWN | 840 | ug/kg | J | 11.43 |
| UNKNOWN | 2000 | ug/kg | J | 11.49 |
| UNKNOWN | 650 | ug/kg | J | 12.12 |
| UNKNOWN | 2100 | ug/kg | J | 13.08 |
| UNKNOWN | 2400 | ug/kg | J | 13.41 |
| UNKNOWN | 1500 | ug/kg | J | 13.77 |
| UNKNOWN | 1200 | ug/kg | J | 15.76 |
| UNKNOWN | 2100 | ug/kg | J | 17.43 |



QC RY NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 79 | % | | | | 98-051-9332 |
| 2-Fluorophenol | 75 | % | | | | 98-051-9332 |
| Phenol-d5 | 80 | % | | | | 98-051-9332 |
| 2,4,6-Tribromophenol | 90 | % | | | | 98-051-9332 |
| Nitrobenzene-d5 | 85 | % | | | | 98-051-9332 |
| 2-Fluorobiphenyl | 85 | % | | | | 98-051-9332 |

Analysis Comment: Results Calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L3906(-)

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8381.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

Number TICs found: 10

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 16.44 | 4100 | J |
| 2. | | 17.46 | 4800 | |
| 3. | | 19.00 | 3800 | |
| 4. | | 20.83 | 4000 | |
| 5. | | 20.97 | 6000 | |
| 6. | | 21.39 | 3600 | |
| 7. | | 15.2 | 3600 | |
| 8. | | 20.0 | 3200 | |
| 9. | | 20.22 | 2800 | |
| 10. | | 17.85 | 3000 | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
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FORM I-CLP-VOA-TIC

VO

K. 11/01/99

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-7

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9332.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 7.70 | 770 | J |
| 2. | | 8.38 | 730 | |
| 3. | | 9.28 | 620 | |
| 4. | | 9.40 | 570 | |
| 5. | | 9.51 | 720 | |
| 6. | | 9.73 | 310 | |
| 7. | | 9.98 | 1200 | |
| 8. | | 10.36 | 600 | |
| 9. | | 10.43 | 470 | |
| 10. | | 10.73 | 990 | |
| 11. | | 10.88 | 1100 | |
| 12. | | 11.28 | 1500 | |
| 13. | | 11.43 | 840 | |
| 14. | | 11.49 | 2000 | |
| 15. | | 12.12 | 650 | |
| 16. | | 13.08 | 2100 | |
| 17. | | 13.41 | 2400 | |
| 18. | | 13.77 | 1500 | |
| 19. | | 15.76 | 1200 | |
| 20. | | 17.43 | 2100 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 26-OCT-1999

LAB SAMPLE ID : L39061-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | S-ALFG13A092499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 24-SEP-99 12:00 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 88.07 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 4090 | mg/kg | 8.80 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 120 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 14.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 54.8 | mg/kg | 1.86 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.269 | mg/kg | 0.235 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5870 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 98400 | mg/kg | 1200 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 8.46 | mg/kg | 1.17 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 3.95 | mg/kg | 1.17 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 29.7 | mg/kg | 2000 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 12000 | mg/kg | 4.69 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 10.3 | mg/kg | 5.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 21800 | mg/kg | 58.6 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 936 | mg/kg | 0.587 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | U | mg/kg | 0.0110 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 14.9 | mg/kg | 1.41 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 535 | mg/kg | 58.6 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 8.21 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.17 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 161 | mg/kg | 23.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.63 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 7.03 | mg/kg | 1.17 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 38.8 | mg/kg | 2.35 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Vinyl chloride | U | ug/kg | 270 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Chloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Bromomethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,1-Dichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Acetone | U | ug/kg | 3400 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Carbon disulfide | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Methylene chloride | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| trans-1,2-Dichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,1-Dichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| cis-1,2-Dichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3400 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Chloroform | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,1,1-Trichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Carbon tetrachloride | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Benzene | U | ug/kg | 95 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,2-Dichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Trichloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,2-Dichloropropane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Bromodichloromethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| cis-1,3-Dichloropropene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Toluene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| trans-1,3-Dichloropropene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,1,2-Trichloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Tetrachloroethene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 2-Hexanone | U | ug/kg | 1400 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Dibromochloromethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Chlorobenzene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Ethylbenzene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| p-Xylene/m-Xylene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| o-Xylene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| Styrene | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 26-OCT-1999

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| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 680 | 30-SEP-99 | EPA 8260 | 99-157-8382 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| n-Propylbenzene | 918 | ug/kg | | 18.37 |
| n-Butylbenzene | 820 | ug/kg | | 20.08 |
| Unknown | 5900 | ug/kg | J | 11.53 |
| Unknown | 5500 | ug/kg | J | 13.48 |
| Unknown | 8000 | ug/kg | J | 15.2 |
| Unknown | 6800 | ug/kg | J | 16.45 |
| Unknown | 5200 | ug/kg | J | 17.29 |
| Unknown | 6400 | ug/kg | J | 17.45 |
| Unknown | 5800 | ug/kg | J | 17.87 |
| Unknown | 4200 | ug/kg | J | 20.94 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 104 | % | | | | 99-157-8382 |
| Toluene-d8 | 104 | % | | | | 99-157-8382 |
| 4-Bromofluorobenzene | 111 | % | | | | 99-157-8382 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| beta-BHC | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Lindane (gamma-BHC) | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| delta-BHC | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Heptachlor | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Aldrin | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Heptachlor epoxide | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Endosulfan I | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| 4,4'-DDE | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Dieldrin | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Endrin | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Endosulfan II | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| 4,4'-DDD | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Endrin aldehyde | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endosulfan sulfate | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| 4,4'-DDT | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Methoxychlor | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Chlordane | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Toxaphene | U | mg/kg | 0.2 | 11-OCT-99 | EPA 8081 | 99-127-8023 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 121 | % | | | | 99-127-8023 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| PCB 1221 | U | mg/kg | 0.08 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| PCB 1232 | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| PCB 1242 | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| PCB 1248 | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| PCB 1254 | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| PCB 1260 | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8082 | 99-127-8023 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 121 | % | | | | 99-127-8023 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Phenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Chlorophenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 1,3-Dichlorobenzene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 1,4-Dichlorobenzene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 1,2-Dichlorobenzene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Bis(2-chloroisopropylether) | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Methylphenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Hexachloroethane | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Nitrobenzene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Isophorone | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Nitrophenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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|---|---|---|---|---|---|---|
| 2,4-Dimethylphenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2,4-Dichlorophenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Naphthalene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 4-Chloroaniline | U | ug/kg | 460 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Hexachlorobutadiene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 4-Chloro-3-methylphenol | U | ug/kg | 460 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Methylnaphthalene | 1400 | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Hexachlorocyclopentadiene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2,4,6-Trichlorophenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2,4,5-Trichlorophenol | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Chloronaphthalene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Nitroaniline | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Dimethyl phthalate | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Acenaphthylene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2,6-Dinitrotoluene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 3-Nitroaniline | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Acenaphthene | 250 | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2,4-Dinitrophenol | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Dibenzofuran | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2,4-Dinitrotoluene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 4-Nitrophenol | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Diethyl phthalate | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Fluorene | 260 | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 4-Chlorophenylphenylether | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 4-Nitroaniline | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| N-Nitrosodiphenylamine | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 4-Bromophenylphenylether | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Hexachlorobenzene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Pentachlorophenol | U | ug/kg | 910 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Phenanthrene | 1100 | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Anthracene | 220 J | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Carbazole | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Di-n-butyl phthalate | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Fluoranthene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Pyrene | 340 | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Butylbenzyl phthalate | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Benzo(a)anthracene | 190 J | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| 3,3-Dichlorobenzidine | U | ug/kg | 460 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Chrysene | 330 | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |



QC nf NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| P.O. NO. | N/A |

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|---|---|---|---|---|---|---|
| Bis-2-ethylhexyl phthalate | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Di-n-octyl phthalate | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Benzo(b)fluoranthene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Benzo(k)fluoranthene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Benzo(a)pyrene | 120 J | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Dibenzo(a,h)anthracene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Benzo(g,h,i)perylene | U | ug/kg | 230 | 08-OCT-99 | EPA 8270 | 98-051-9352 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 1100 | ug/kg | J | 10.68 |
| UNKNOWN | 1500 | ug/kg | J | 13.37 |
| UNKNOWN | 1100 | ug/kg | J | 14.06 |
| UNKNOWN | 1700 | ug/kg | J | 19.93 |
| UNKNOWN | 1100 | ug/kg | J | 20.09 |
| UNKNOWN | 1600 | ug/kg | J | 20.88 |
| UNKNOWN | 2000 | ug/kg | J | 20.98 |
| UNKNOWN | 3800 | ug/kg | J | 21.18 |
| UNKNOWN | 3900 | ug/kg | J | 21.43 |
| UNKNOWN | 2600 | ug/kg | J | 21.51 |
| UNKNOWN | 2600 | ug/kg | J | 21.78 |
| UNKNOWN | 2700 | ug/kg | J | 21.9 |
| UNKNOWN | 1400 | ug/kg | J | 22.04 |
| UNKNOWN | 1900 | ug/kg | J | 22.22 |
| UNKNOWN | 2700 | ug/kg | J | 22.89 |
| UNKNOWN | 1700 | ug/kg | J | 23.21 |
| UNKNOWN | 2500 | ug/kg | J | 23.33 |
| UNKNOWN | 1500 | ug/kg | J | 23.56 |
| UNKNOWN | 1600 | ug/kg | J | 24.43 |
| UNKNOWN | 1700 | ug/kg | J | 25.78 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39061-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFG13A092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 12:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 75 | % | | | | 98-051-9352 |
| 2-Fluorophenol | 47 | % | | | | 98-051-9352 |
| Phenol-d5 | 55 | % | | | | 98-051-9352 |
| 2,4,6-Tribromophenol | 52 | % | | | | 98-051-9352 |
| Nitrobenzene-d5 | 55 | % | | | | 98-051-9352 |
| 2-Fluorobiphenyl | 59 | % | | | | 98-051-9352 |

Analysis Comment: Results Calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39001-8

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8382.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

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

Number TICs found: 10

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. ~~104-51-8~~ 103-65-1 | n-propylbenzene | 18.37 | 918 | 98 |
| 2. 104-51-8 | n-butylbenzene | 20.08 | 820 | 83 |
| 3. | Unknown | 11.53 | 5900 | J |
| 4. | | 13.48 | 5500 | |
| 5. | | 15.2 | 8000 | |
| 6. | | 16.45 | 6800 | |
| 7. | | 17.29 | 5200 | |
| 8. | | 17.45 | 6400 | |
| 9. | | 17.87 | 5800 | |
| 10. | | 20.94 | 4200 | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

KM 10/1/99

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 139061-8

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9352.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 10.68 | 1100 | J |
| 2. | | 13.37 ~~11.25~~ | 1500 | |
| 3. | | 19.06 | 1100 | |
| 4. | | 19.93 | 1700 | |
| 5. | | 20.09 | 1100 | |
| 6. | | 20.88 | 1600 | |
| 7. | | 20.98 | 2000 | |
| 8. | | 21.18 | 3800 | |
| 9. | | 21.43 | 3900 | |
| 10. | | 21.51 | 2600 | |
| 11. | | 21.78 | 2600 | |
| 12. | | 21.90 | 2700 | |
| 13. | | 22.04 | 1400 | |
| 14. | | 22.22 | 1900 | |
| 15. | | 22.89 | 2700 | |
| 16. | | 23.21 | 1700 | |
| 17. | | 23.33 | 2500 | |
| 18. | | 23.56 | 1500 | |
| 19. | | 24.43 | 1600 | |
| 20. | | 25.78 | 1700 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

10/8/99

FORM I-CLP-SV-TIC

10/8

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 88.65 | % | | 30-SEP-99 | CLP 3.0 | 97-070-152 |
| Aluminum | 5310 | mg/kg | 7.82 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/kg | 5.21 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.5 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 42.4 | mg/kg | 1.70 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | 0.26 | mg/kg | 0.209 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5210 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 25500 | mg/kg | 52.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 7.58 | mg/kg | 1.06 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 2.96 | mg/kg | 1.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 25.8 | mg/kg | 1.77 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 12300 | mg/kg | 4.17 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 8.3 | mg/kg | 4.67 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 7070 | mg/kg | 52.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 335 | mg/kg | 0.521 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | U | mg/kg | 0.0110 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 12.9 | mg/kg | 1.25 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 596 | mg/kg | 52.1 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.30 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 1.06 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 103 | mg/kg | 20.8 | 05-OCT-99 | EPA 6010 | 99-178-05 |



QC DP NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.78 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 8.15 | mg/kg | 1.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 51.9 | mg/kg | 2.09 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Vinyl chloride | U | ug/kg | 6 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Chloroethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Bromomethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,1-Dichloroethene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Acetone | U | ug/kg | 70 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Carbon disulfide | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Methylene chloride | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| trans-1,2-Dichloroethene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,1-Dichloroethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| cis-1,2-Dichloroethene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 70 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Chloroform | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,1,1-Trichloroethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Carbon tetrachloride | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Benzene | U | ug/kg | 2 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,2-Dichloroethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Trichloroethene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,2-Dichloropropane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Bromodichloromethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| cis-1,3-Dichloropropene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Methyl isobutyl ketone | U | ug/kg | 28 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Toluene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| trans-1,3-Dichloropropene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,1,2-Trichloroethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Tetrachloroethene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 2-Hexanone | U | ug/kg | 28 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Dibromochloromethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Chlorobenzene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Ethylbenzene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| p-Xylene/m-Xylene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| o-Xylene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| Styrene | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 14 | 28-SEP-99 | EPA 8260 | 99-157-8361 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 110 | ug/kg | J | 20.6 |
| Unknown | 93 | ug/kg | J | 20.7 |

| Surrogate Recovery: | | | | |
|---|---|---|---|---|
| Dibromofluoromethane | 99 | % | | 99-157-8361 |
| Toluene-d8 | 101 | % | | 99-157-8361 |
| 4-Bromofluorobenzene | 110 | % | | 99-157-8361 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| beta-BHC | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| delta-BHC | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Heptachlor | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Aldrin | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Endosulfan I | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| 4,4'-DDE | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Dieldrin | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Endrin | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Endosulfan II | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| 4,4'-DDD | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Endrin aldehyde | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| 4,4'-DDT | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Methoxychlor | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Chlordane | U | mg/kg | 0.004 | 11-OCT-99 | EPA 8081 | 99-127-8021 |
| Toxaphene | U | mg/kg | 0.04 | 11-OCT-99 | EPA 8081 | 99-127-8021 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 75 | % | | | | 99-127-8021 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| PCB 1221 | U | mg/kg | 0.02 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| PCB 1232 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| PCB 1242 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| PCB 1248 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| PCB 1254 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| PCB 1260 | U | mg/kg | 0.009 | 11-OCT-99 | EPA 8082 | 99-127-8021 |
| Extraction Information: | | | | 29-SEP-99 | | 99-154-50 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 75 | % | | | | 99-127-8021 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Phenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Chlorophenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 1,3-Dichlorobenzene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 1,4-Dichlorobenzene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 1,2-Dichlorobenzene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Bis(2-chloroisopropylether) | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Methylphenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Hexachloroethane | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Nitrobenzene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Isophorone | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Nitrophenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,4-Dimethylphenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,4-Dichlorophenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Naphthalene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloroaniline | U | ug/kg | 500 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Hexachlorobutadiene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 4-Chloro-3-methylphenol | U | ug/kg | 500 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Methylnaphthalene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Hexachlorocyclopentadiene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,4,6-Trichlorophenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,4,5-Trichlorophenol | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Chloronaphthalene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Nitroaniline | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Dimethyl phthalate | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Acenaphthylene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,6-Dinitrotoluene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 3-Nitroaniline | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Acenaphthene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,4-Dinitrophenol | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Dibenzofuran | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2,4-Dinitrotoluene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 4-Nitrophenol | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Diethyl phthalate | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Fluorene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 4-Chlorophenylphenylether | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 4-Nitroaniline | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| N-Nitrosodiphenylamine | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 4-Bromophenylphenylether | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Hexachlorobenzene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Pentachlorophenol | U | ug/kg | 1000 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Phenanthrene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Anthracene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Carbazole | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Di-n-butyl phthalate | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Fluoranthene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Pyrene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Butylbenzyl phthalate | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Benzo(a)anthracene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| 3,3-Dichlorobenzidine | U | ug/kg | 500 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Chrysene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Di-n-octyl phthalate | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Benzo(b)fluoranthene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Benzo(k)fluoranthene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Benzo(a)pyrene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
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| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Dibenzo(a,h)anthracene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Benzo(g,h,i)perylene | U | ug/kg | 250 | 07-OCT-99 | EPA 8270 | 98-051-9343 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 510 | ug/kg | J | 13.06 |
| Unknown | 470 | ug/kg | J | 13.36 |
| Unknown | 450 | ug/kg | J | 16.07 |
| Unknown | 1400 | ug/kg | J | 17.32 |
| Unknown | 660 | ug/kg | J | 17.59 |
| Unknown | 460 | ug/kg | J | 17.94 |
| Unknown | 1100 | ug/kg | J | 18.48 |
| Unknown | 520 | ug/kg | J | 18.69 |
| Unknown | 690 | ug/kg | J | 19.34 |
| Unknown | 980 | ug/kg | J | 19.95 |
| Unknown | 590 | ug/kg | J | 20.83 |
| Unknown | 960 | ug/kg | J | 20.89 |
| Unknown | 2900 | ug/kg | J | 21.91 |
| Unknown | 1900 | ug/kg | J | 22.23 |
| Unknown | 550 | ug/kg | J | 23.03 |
| Unknown | 1100 | ug/kg | J | 23.57 |
| Unknown | 490 | ug/kg | J | 23.81 |
| Unknown | 900 | ug/kg | J | 24.93 |
| Unknown | 410 | ug/kg | J | 25.51 |
| Unknown | 1500 | ug/kg | J | 25.79 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 82 | % | 98-051-9343 |
| 2-Fluorophenol | 74 | % | 98-051-9343 |
| Phenol-d5 | 78 | % | 98-051-9343 |
| 2,4,6-Tribromophenol | 75 | % | 98-051-9343 |
| Nitrobenzene-d5 | 81 | % | 98-051-9343 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID :L39061-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | S-ALFGW4092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:00 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 79 | % | | | | 98-051-9343 |

Analysis Comment: Results Calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 89343.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 13.06 | 510 | J |
| 2. | | 13.36 | 470 | |
| 3. | | 16.07 | 450 | |
| 4. | | 17.32 | 1400 | |
| 5. | | 17.59 | 660 | |
| 6. | | 17.94 | 460 | |
| 7. | | 18.48 | 1100 | |
| 8. | | 18.69 | 520 | |
| 9. | | 19.34 | 690 | |
| 10. | | 19.95 | 980 | |
| 11. | | 20.83 | 590 | |
| 12. | | 20.89 | 960 | |
| 13. | | 21.91 | 2900 | |
| 14. | | 22.23 | 1900 | |
| 15. | | 23.03 | 550 | |
| 16. | | 23.57 | 1100 | |
| 17. | | 23.81 | 490 | |
| 18. | | 24.93 | 900 | |
| 19. | | 25.51 | 410 | |
| 20. | | 25.79 | 1500 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

10/8/99

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L59061-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8361.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

Number TICs found: ~~0~~ 2

CONCENTRATION UNITS:
(µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 20.6 | 710 | J |
| 2. | " | 20.7 | 93 | J |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

KM 10/1/99

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | ALFGW3092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 4.89 | mg/l | 0.075 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/l | 0.050 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/l | 0.002 | 07-OCT-99 | EPA 7062 | 97-198-29 |
| Barium | 0.192 | mg/l | 0.016 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Beryllium | U | mg/l | 0.002 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/l | 0.0050 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 93.5 | mg/l | 0.500 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 0.023 | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cobalt | U | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 0.034 | mg/l | 0.017 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 10.8 | mg/l | 0.040 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 0.032 | mg/l | 0.002 | 05-OCT-99 | EPA 7421 | 98-194-42 |
| Magnesium | 19.3 | mg/l | 0.500 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 0.721 | mg/l | 0.005 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | U | mg/l | 0.0002 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 0.012 | mg/l | 0.012 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 4.19 | mg/l | 0.500 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Sodium | 51.5 | mg/l | 0.200 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Thallium | U | mg/l | 0.001 | 11-OCT-99 | EPA 7841 | 98-187-53 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 28-OCT-1999

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Fagan Engineers
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| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
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| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 0.216 | mg/l | 0.020 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Vinyl chloride | U | ug/l | 2 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Chloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Bromomethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Acetone | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Carbon disulfide | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Methylene chloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Chloroform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Carbon tetrachloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Benzene | U | ug/l | 0.7 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,2-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Trichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,2-Dichloropropane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Bromodichloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Methyl isobutyl ketone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Toluene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Tetrachloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 2-Hexanone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Dibromochloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Chlorobenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Ethylbenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| o-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Styrene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Bromoform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 101 | % | | | | 99-158-9233 |
| Toluene-d8 | 101 | % | | | | 99-158-9233 |
| 4-Bromofluorobenzene | 98 | % | | | | 99-158-9233 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| beta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| delta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Heptachlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Aldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Heptachlor epoxide | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endosulfan I | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| 4,4'-DDE | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Dieldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endosulfan II | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| 4,4'-DDD | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endrin aldehyde | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endosulfan sulfate | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| 4,4'-DDT | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Methoxychlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Chlordane | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Toxaphene | U | ug/l | 0.5 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Extraction Information: | | | | 30-SEP-99 | | 99-154-52 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | ALFGW3092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: Tetrachloro-m-xylene | 86 | % | | | | 99-127-7957 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1221 | U | ug/l | 0.2 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1232 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1242 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1248 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1254 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1260 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| Extraction Information: | | | | 30-SEP-99 | | 99-154-52 |
| Surrogate Recovery: Tetrachloro-m-xylene | 86 | % | | | | 99-127-7957 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Phenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Chlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachloroethane | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Nitrobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Isophorone | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Nitrophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Naphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Chloroaniline | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachlorobutadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | ALFGW3092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Methylnaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Chloronaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Dimethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Acenaphthylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 3-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Acenaphthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Dibenzofuran | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Nitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Diethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Fluorene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Pentachlorophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Phenanthrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Carbazole | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Di-n-butyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Butylbenzyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(a)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Chrysene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Di-n-octyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(a)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |



QC DF NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | ALFGW3092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-929( |
| Extraction Information: | | | | 29-SEP-99 | | 99-137-55 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 6 | ug/l | JB | 34.34 |
| Unknown | 6 | ug/l | JB | 34.43 |
| Unknown | 10 | ug/l | JB | 34.77 |
| Unknown | 6 | ug/l | J | 36.99 |
| Unknown | 8 | ug/l | JB | 37.07 |
| Unknown | 6 | ug/l | J | 39.72 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 81 | % | 98-051-929( |
| 2-Fluorophenol | 34 | % | 98-051-929( |
| Phenol-d5 | 23 | % | 98-051-929( |
| 2,4,6-Tribromophenol | 84 | % | 98-051-929( |
| Nitrobenzene-d5 | 57 | % | 98-051-929( |
| 2-Fluorobiphenyl | 57 | % | 98-051-929( |



QC Lf NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per millic
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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Tyler

# TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39001-10

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9233.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS: (µg/L or µg/Kg) _____

Number TICs found: 0

9/29/99
R129LCL

| CAS NUMBER | COMPOUND.NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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| 30. | | | | |

FORM I-CLP-VOA-TIC

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-10

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9290.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 6

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 34.34 | 6 | J, B |
| 2. | | 34.43 | 6 | B |
| 3. | | 34.77 | 10 | B |
| 4. | | 36.99 | 6 | |
| 5. | | 37.07 | 8 | B |
| 6. | | 39.72 | 6 | B |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

KM 10/1/99

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 29, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagon.
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

Sample Site: ALF
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED 139290 | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 9-29-99 2 pm | S-ALFG9092999 | 2 Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -1 -2 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 9-30-99 1 pm | Stacey Matthews | 9/30/99 1:25 pm | |
| | | Lisa Linwood | 9/30/99 1:35 | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department: Vol

Fraction/Parameter: 8260

SDG/Project: Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39290-1 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lori Jones | 10/1/99 | 10:04 | Scott J. Borzyskowski | 10-1-99 | 10:04 | |
| 1 | Scott J. Borzyskowski | 10-1-99 | 13:45 | Lori Jones | 10/11/99 | 13:45 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semi-Vol

Fraction/Parameter 8270

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39290-1 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/4/99 | 1402 | Fritz Anderson | 10/4/99 | 14:02 | |
| 1 | Fritz Anderson | 10/5/99 | 9:55 | Shannon M Bennett | 10/5/99 | 955 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semi-Vol

Fraction/Parameter 8081/8082

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39290-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon Bennett | 10/12/99 | 1300 | K Colbaugh | 10/12/99 | 1310 | |
| 1 | K Colbaugh | 10/12/99 | 1510 | Shannon Bennett | 10/12/99 | 1500 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Metals

SDG/Project Fagan/American LaFrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39290-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/4/99 | 900 | Joe Burlage | 10/4/99 | 9:00 | |
| 1 | Joe Burlage | 10/11/99 | 9:00 | Shannon M Bennett | 10/11/99 | 900 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
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LABORATORY
INC

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Lab Department Wet-Chem

Fraction/Parameter Total Solids

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39290-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/4/99 | 800 | [illegible] | 10/4/99 | 8:00 | |
| 1 | [illegible] | 10/4/99 | 13:30 | Shannon M Bennett | 10/4/99 | 1330 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 18-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | S-ALFG9092999 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED : | 30-SEP-99 13:51 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 93.65 | % | | 07-OCT-99 | CLP 3.0 | 97-070-157 |
| Aluminum | 3600 | mg/kg | 7.64 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | 5.63 | mg/kg | 5.10 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 61 | mg/kg | 1.53 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | U | mg/kg | 0.204 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5100 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 37600 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 6.68 | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 1.95 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 15.2 | mg/kg | 1.73 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 8970 | mg/kg | 4.08 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 6.24 | mg/kg | 4.21 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 19000 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 275 | mg/kg | 0.510 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.018 | mg/kg | 0.0100 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 7.95 | mg/kg | 1.22 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 554 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.14 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 99.7 | mg/kg | 20.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |

Pest/PCB being re-extracted.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 18-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | S-ALFG9092999 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED : | 30-SEP-99 13:51 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.63 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 6.55 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 39.5 | mg/kg | 2.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Vinyl chloride | U | ug/kg | 2 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromomethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Acetone | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon disulfide | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methylene chloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,1-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon tetrachloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Benzene | U | ug/kg | 0.7 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Trichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloropropane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromodichloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Toluene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Tetrachloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 2-Hexanone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Dibromochloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chlorobenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Ethylbenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| p-Xylene/m-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| o-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Styrene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

Pest/PCB being re-extracted.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 18-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 5.7 | ug/kg | J | 19.95 |
| UNKNOWN | 5.8 | ug/kg | J | 20.85 |
| UNKNOWN | 20 | ug/kg | J | 21.96 |
| UNKNOWN | 15 | ug/kg | J | 22.12 |
| UNKNOWN | 26 | ug/kg | J | 22.41 |
| UNKNOWN | 75 | ug/kg | J | 22.72 |
| UNKNOWN | 37 | ug/kg | J | 22.8 |
| UNKNOWN | 66 | ug/kg | J | 23.1 |
| UNKNOWN | 150 | ug/kg | J | 23.27 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 102 | % | | | | 99-157-8434 |
| Toluene-d8 | 100 | % | | | | 99-157-8434 |
| 4-Bromofluorobenzene | 105 | % | | | | 99-157-8434 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8270

| | | | | | | |
|---|---|---|---|---|---|---|
| Bis(2-chloroethylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,3-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,4-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroisopropylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachloroethane | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Nitrobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Isophorone | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitrophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dimethylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

Pest/PCB being re-extracted.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 18-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bis(2-chloroethoxymethane) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Naphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloroaniline | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobutadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloro-3-methylphenol | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methylnaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorocyclopentadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,6-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,5-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chloronaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dimethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,6-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzofuran | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Diethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluorene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chlorophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodiphenylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Bromophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pentachlorophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenanthrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Carbazole | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-butyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Butylbenzyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3,3-Dichlorobenzidine | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Chrysene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

Pest/PCB being re-extracted.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 18-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | S-ALFG9092999 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED : | 30-SEP-99 13:51 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(b)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(k)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzo(a,h)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(g,h,i)perylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 79 | % | 98-051-9330 |
| 2-Fluorophenol | 51 | % | 98-051-9330 |
| Phenol-d5 | 56 | % | 98-051-9330 |
| 2,4,6-Tribromophenol | 66 | % | 98-051-9330 |
| Nitrobenzene-d5 | 58 | % | 98-051-9330 |
| 2-Fluorobiphenyl | 62 | % | 98-051-9330 |

Analysis Comment: Results Calculated on a dry weight basis.

Pest/PCB being re-extracted.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

·Fagan

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39290-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9330.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

R 13/77 dm 10/7/99

Number TICs found: 0

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

10/14

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39290-1

Sample wt/vol: 5.082 (g/mL) _____ Lab File ID: C8434.d

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

% Moisture: not dec. _____ 93.65% solids Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) ug/kg

Number TICs found: 9

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 19.95 | 5.7 | J |
| 2. | | 20.87 | 5.8 | |
| 3. | | 21.96 | 20 | |
| 4. | | 22.12 | 15 | |
| 5. | | 22.41 | 26 | |
| 6. | | 22.72 | 75 | |
| 7. | | 22.80 | 37 | |
| 8. | | 23.10 | 66 | |
| 9. | | 23.27 | 150 | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

10/14 10/19/99

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: OCTOBER 4, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ACF

P.O. # 97150

CLIENT: FOGAN
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME: ACE

COPY TO:
ADDRESS:

L39385

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| Oct 9, 1999 1:45pm | w-ALFB1W100499 Groundwater | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL PER contract | -1 |
| 10-4-99 11 AM | w-ALFCW1B1100499 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 8260 (TCL) *resample* | -2 |
| 10-4-99 2:45pm | w-ALFFB100499 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -3 |
| | T.B. | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 95-045-29-25 | -4 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-4-99 3 pm | Stacey Matthews | 10/4/99 3:46 | temp on rec. 14.5 |
| | | Lisa Lowell | 16:00 10/4/99 | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department VOC

Fraction/Parameter 8260

SDG/Project Fagan / American LA France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-2 | | | | |
| | L39385-3 | | | | |
| | L39385-4 | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon McDonnell | 10/5/99 | 1355 | Scott J. Bonyadek | 10-5-99 | 13:55 | |
| 1 | Scott J. Bonyadek | 10-11-99 | 13:45 | Doris Jones | 10/11/99 | 13:55 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

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Lab Department Semi-Vol

Fraction/Parameter 8081/8082

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-3 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Toni Jones | 10/7/99 | 12:00 | [illegible] | 10/7/99 | 12:00 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semi-VOC

Fraction/Parameter 8270

SDG/Project Fagan/American Safrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-3 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
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| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Tonda Jones | 10/5/99 | 8:30 | [illegible] | 10/5/99 | 8:30 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

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Lab Department Metals

SDG/Project Fagan / American Safrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-3 | | | | |
| | | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon McKenneth | 10/5/99 | 1107 | Joe Burleigh | 10/5/99 | 11:07 | |
| 1 | [illegible] | 10/6/99 | 2:51 | Shannon McKenneth | 10/6/99 | 2:51 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFB1W100499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED : | 04-OCT-99 16:00 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 1.21 | mg/l | 0.075 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/l | 0.050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | 0.003 | mg/l | 0.002 | 14-OCT-99 | EPA 7062 | 97-198-30 |
| Barium | 0.128 | mg/l | 0.016 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/l | 0.002 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/l | 0.0050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 153 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | U | mg/l | 0.017 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 4.85 | mg/l | 0.040 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 0.003 | mg/l | 0.001 | 13-OCT-99 | EPA 7421 | 98-194-46 |
| Magnesium | 28.2 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 1.27 | mg/l | 0.005 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.0004 | mg/l | 0.0002 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | U | mg/l | 0.012 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 5.69 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/l | 0.002 | 08-OCT-99 | EPA 7742 | 96-080-52 |
| Silver | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Sodium | 66.7 | mg/l | 0.200 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Thallium | U | mg/l | 0.001 | 14-OCT-99 | EPA 7841 | 98-187-56 |



QC R4 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 0.037 | mg/l | 0.020 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Acetone | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 99 | % | | | | 99-158-9346 |
| Toluene-d8 | 98 | % | | | | 99-158-9346 |
| 4-Bromofluorobenzene | 99 | % | | | | 99-158-9346 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| beta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| delta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Heptachlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Aldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Heptachlor epoxide | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endosulfan I | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| 4,4'-DDE | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Dieldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endosulfan II | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| 4,4'-DDD | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endrin aldehyde | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endosulfan sulfate | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| 4,4'-DDT | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Methoxychlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Chlordane | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Toxaphene | U | ug/l | 0.5 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFB1W100499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED : | 04-OCT-99 16:00 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 66 | % | | | | 99-127-8061 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1221 | U | ug/l | 0.2 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1232 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1242 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1248 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1254 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1260 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 66 | % | | | | 99-127-8061 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Phenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Chlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachloroethane | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Nitrobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Isophorone | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Nitrophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Naphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Chloroaniline | U | ug/l | 10 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachlorobutadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Methylnaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Chloronaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Nitroaniline | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Dimethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Acenaphthylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 3-Nitroaniline | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Acenaphthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Dibenzofuran | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Nitrophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Diethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Fluorene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Nitroaniline | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Pentachlorophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Phenanthrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Carbazole | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Di-n-butyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Butylbenzyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(a)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Chrysene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Di-n-octyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(a)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-59 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 6 | ug/l | J | 18.66 |
| Unknown | 7 | ug/l | J | 20.27 |
| Unknown | 18 | ug/l | J | 21.58 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 52 | % | 98-051-9347 |
| 2-Fluorophenol | 40 | % | 98-051-9347 |
| Phenol-d5 | 30 | % | 98-051-9347 |
| 2,4,6-Tribromophenol | 79 | % | 98-051-9347 |
| Nitrobenzene-d5 | 54 | % | 98-051-9347 |
| 2-Fluorobiphenyl | 53 | % | 98-051-9347 |



QC 94 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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# VOLATILE ORGANICS ANALYSIS DATA SHEET
# TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9346.D

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9347.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 18.66 | 6 | J |
| 2. | ↓ | 20.27 | 7 | ↓ |
| 3. | | 21.58 | 18 | |
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FORM I-CLP-SV-TIC

KM 10/8/99

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 19-OCT-1999

LAB SAMPLE ID : L39385-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFGW1B100499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 04-OCT-99 11:00 by CLIENT |
| DATE RECEIVED : | 04-OCT-99 16:00 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Acetone | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-2

Fagan Engineers
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Elmira, NY 14904

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|---|---|
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| ORIGIN | W-ALFGW1B100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 11:00 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 101 | % | | | | 99-158-9344 |
| Toluene-d8 | 98 | % | | | | 99-158-9344 |
| 4-Bromofluorobenzene | 99 | % | | | | 99-158-9344 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9344.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

Number TICs found: 2

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

R13146 2-m 10/6

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FLI
FRIEND LABORATORY
I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFFB100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 14:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 0.136 | mg/l | 0.075 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/l | 0.050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/l | 0.002 | 14-OCT-99 | EPA 7062 | 97-198-30 |
| Barium | 0.076 | mg/l | 0.016 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/l | 0.002 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/l | 0.0050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 58.2 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | U | mg/l | 0.017 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 1.33 | mg/l | 0.040 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | U | mg/l | 0.001 | 13-OCT-99 | EPA 7421 | 98-194-46 |
| Magnesium | 10.2 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 0.019 | mg/l | 0.005 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.0003 | mg/l | 0.0002 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | U | mg/l | 0.012 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 1.73 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/l | 0.002 | 08-OCT-99 | EPA 7742 | 96-080-52 |
| Silver | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Sodium | 21.5 | mg/l | 0.200 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Thallium | U | mg/l | 0.001 | 14-OCT-99 | EPA 7841 | 98-187-56 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 0.037 | mg/l | 0.020 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Acetone | 40 | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100 | % | | | | 99-158-9345 |
| Toluene-d8 | 100 | % | | | | 99-158-9345 |
| 4-Bromofluorobenzene | 98 | % | | | | 99-158-9345 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| beta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| delta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Heptachlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Aldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Heptachlor epoxide | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endosulfan I | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| 4,4'-DDE | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Dieldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endosulfan II | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| 4,4'-DDD | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endrin aldehyde | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endosulfan sulfate | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| 4,4'-DDT | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Methoxychlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Chlordane | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Toxaphene | U | ug/l | 0.52 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 82 | % | | | | 99-127-8062 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1221 | U | ug/l | 0.21 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1232 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1242 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1248 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1254 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1260 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 82 | % | | | | 99-127-8062 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Phenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Chlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachloroethane | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Nitrobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Isophorone | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Nitrophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Naphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Chloroaniline | U | ug/l | 11 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachlorobutadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |



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|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 11 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Methylnaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Chloronaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Nitroaniline | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Dimethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Acenaphthylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 3-Nitroaniline | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Acenaphthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dinitrophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Dibenzofuran | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Nitrophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Diethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Fluorene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Nitroaniline | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Pentachlorophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Phenanthrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Carbazole | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Di-n-butyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Butylbenzyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(a)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 3,3-Dichlorobenzidine | U | ug/l | 11 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Chrysene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Di-n-octyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(a)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |



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|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-59 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 64 | % | 98-051-9340 |
| 2-Fluorophenol | 37 | % | 98-051-9340 |
| Phenol-d5 | 26 | % | 98-051-9340 |
| 2,4,6-Tribromophenol | 55 | % | 98-051-9340 |
| Nitrobenzene-d5 | 53 | % | 98-051-9340 |
| 2-Fluorobiphenyl | 51 | % | 98-051-9340 |



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The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D4345.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
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| 29. | | | | |
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-3

Sample wt/vol:_____(g/mL)_____ Lab File ID: B9340.d

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

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

Concentrated Extract Volume: _____(µL) Date Analyzed:_____

Injection Volume: _____(µL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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| 4. | | | | |
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FORM I-CLP-SV-TIC



KM 10/8/99

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | FRIEND LABORATORY, INC. |
| ORIGIN : | 95-045-29-25 |
| DESCRIPTION : | TRIP BLANK |
| SAMPLED ON : | 04-OCT-99 00:00 by lab |
| DATE RECEIVED : | 04-OCT-99 16:00 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Acetone | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | 95-045-29-25 |
| DESCRIPTION | TRIP BLANK |
| SAMPLED ON | 04-OCT-99 00:00 by lab |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 102 | % | | | | 99-158-9339 |
| Toluene-d8 | 99 | % | | | | 99-158-9339 |
| 4-Bromofluorobenzene | 100 | % | | | | 99-158-9339 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

# VOLATILE ORGANICS ANALYSIS DATA SHEET
# TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L 37385-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: Da 339.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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 10/5/94

FLI
FRIEND LABORATORY INC

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: OCTOBER 5, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 1 OF __

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF

P.O. # 97150

CLIENT: ADDRESS: Fagan

PHONE: FAX:

INVOICE TO: ADDRESS: Fagan

PROJECT NO. / NAME: ALF

COPY TO: ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 10-5-99 1130 | S-ALFG7100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per Contract | 1 |
| 10-5-99 1140 | S-ALFG5100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per Contract | 2 |
| 10-5-99 1215 | S-ALFDUP100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per Contract Duplicate | 3 |
| 10-5-99 1230 | S-ALFG4A100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per Contract | 4 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 10.6.99 4:32 pm | Stacey Matthews | 10/6/99 4:35 | |
| | | Tom Jones | 10/7/99 7:57 | |

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 2 OF __

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | $HNO_3$ pH <2 | $H_2SO_4$ pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: ADDRESS: Fagan
PHONE: FAX:

INVOICE TO: ADDRESS: Fagan

Sample Site: ALF
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO: ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 10-5-99 1238 | S-ALFGW3A100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per contract | -5 |
| 10-5-99 1250 | S-ALFB1100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per contract | -6 |
| 10-5-99 1250 | S-ALFB1MS100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per contract Matrix spike | -7 |
| 10-5-99 1250 | S-ALFB1MSD100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per contract Matrix Spike Dupe | -8 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-6-99 432 pm | Stacey Mallen | 10/6/99 4:35 | |
| | | Lonell Jones | 10/7/99 7:57 | |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 3 OF __

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF

P.O. # 97150

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO: Fagan
ADDRESS:

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | LAB USE ONLY SAMPLE NUMBER |
|---|---|---|---|---|
| 10-5-99 1315 | S-ALFB2A100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -9 |
| 10-5-99 1330 | S-ALFPCBA100599 SOIL | 1 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 8082 | -10 |
| 10-5-99 1340 | S-ALFPCBB100599 SOIL | 1 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 8082 | -11 |
| 10-5-99 1400 | S-ALFPCBC100599 SOIL | 1 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 8082 | -12 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-6-99 4:32 pm | Stacey Matthews | 10/6/99 4:35 | |
| | | Lonel Jones | 10/7/99 7:57 | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF

P.O. # 97150

CLIENT: ADDRESS: Fugro

PHONE: FAX:

INVOICE TO: ADDRESS: Fugro

PROJECT NO. / NAME: ALF

COPY TO: ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 10-5-99 1415 | S-ALFB2B100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -13 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER: [signature] | 10-6-99 432 pm | Stacey Matthews | 10/6/99 4:35 | |
| | | Tom Jones | 10/7/99 7:57 | |
| | | | | SUSPECTED CONTAMINATION LEVEL |

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Volatiles

Fraction/Parameter 8260

SDG/Project Fagan/American Surfrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | | |
| | L39569-2 | | | | |
| | L39569-3 | | | | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lon Jones | 10/7/99 | 9:25 | Scott J. Boryslak | 10-7-99 | 9:25 | |
| 1 | Scott J. Boryslak | 10-7-99 | 11:30 | [illegible] | 10-7-99 | 11:30 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

FLI
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semivolatiles

Fraction/Parameter 8270

SDG/Project Fagan/American Insurance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| 1 | L39569-1 | | | | |
| 1 | L39569-2 | | | | |
| 1 | L39569-3 | | | | |
| 1 | L39569-4 | | | | |
| 1 | L39569-5 | | | | |
| 1 | L39569-6 | | | | |
| 1 | L39569-7 | | | | |
| 1 | L39569-8 | | | | |
| 1 | L39569-9 | | | | |
| 1 | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Grould | 10/13/99 | 14:20 | Faith Anderson | 10/13/99 | 19:20 | |
| 1 | Faith Anderson | 10/13/99 | 16:50 | Lisa Grould | 10/13/99 | 16:50 | |
| 2 | Faith Anderson | 10/13/99 | 16:50 | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semivolatiles

Fraction/Parameter 8082

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-10 | | | | |
| | L39569-11 | | | | |
| | L39569-12 | | | | |
| | | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/11/99 | 16:45 | Faith Jackson | 10/11/99 | 16:45 | |
| 1 | Faith Jackson | 10/13/99 | 12:05 | Shannon M Bennett | 10/13/99 | 1205 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semivolatiles

Fraction/Parameter 8081/8082

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | | |
| | L39569-2 | | | | |
| | L39569-3 | | | | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 10-18-99 | 1302 | [illegible] | 10/18/99 | 13:02 | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

FLI
FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Metals

SDG/Project Fagan/American Insurance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | | |
| | L39569-2 | | | | |
| | L39569-3 | | | | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 10/8/99 | 13:30 | Joe Burleigh | 10/8/99 | 13:30 | |
| 1 | Joe Burleigh | 10/13/99 | 8:20 | Dhamon M Bennett | 10/13/99 | 8:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Wetchem

Fraction/Parameter Total Solids

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | L39569-10 | |
| | L39569-2 | | | L39569-11 | |
| | L39569-3 | | | L39569-12 | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/7/99 | 1100 | Elliott Thomas | 10-7-99 | 8:00 | |
| 1 | Elliott Thomas | 10-7-99 | 4:20 | Lori L Jones | 10/7/99 | 16:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID L39569-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG7100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.37 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 5910 | mg/kg | 7.70 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | 10 | mg/kg | 5.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 46.4 | mg/kg | 1.64 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.246 | mg/kg | 0.205 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5130 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 137900 | mg/kg | 1000 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 7.53 | mg/kg | 1.03 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.59 | mg/kg | 1.03 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 26.4 | mg/kg | 1.75 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 13800 | mg/kg | 4.11 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 8.5 | mg/kg | 4.52 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 7070 | mg/kg | 51.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 697 | mg/kg | 0.513 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 14 | mg/kg | 1.23 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 773 | mg/kg | 51.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.03 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 116 | mg/kg | 20.5 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
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| ORIGIN : | S-ALFG7100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.67 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 8.21 | mg/kg | 1.03 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 48.8 | mg/kg | 2.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Vinyl chloride | U | ug/kg | 270 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Chloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Bromomethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Acetone | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Carbon disulfide | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Methylene chloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| trans-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| cis-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Chloroform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1,1-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Carbon tetrachloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Benzene | U | ug/kg | 93 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,2-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Trichloroethene | 910 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,2-Dichloropropane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Bromodichloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| cis-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Toluene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| trans-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1,2-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Tetrachloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Dibromochloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Chlorobenzene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Ethylbenzene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| p-Xylene/m-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| o-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Styrene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFG7100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 1000 | ug/kg | | 6.15 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 116 | % | 99-187-F2278 |
| Toluene-d8 | 107 | % | 99-187-F2278 |
| 4-Bromofluorobenzene | 114 | % | 99-187-F2278 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 22-NOV-1999

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|---|---|
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| ORIGIN : | S-ALFG7100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 70 | % | | | | 99-127-8188 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 70 | % | | | | 99-127-8188 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Phenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Chlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,3-Dichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,4-Dichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,2-Dichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Bis(2-chloroisopropylether) | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Methylphenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachloroethane | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Nitrobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Isophorone | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Nitrophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dimethylphenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dichlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Naphthalene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Chloroaniline | U | ug/kg | 400 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachlorobutadiene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |



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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/kg | 400 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Methylnaphthalene | 160 J | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachlorocyclopentadiene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4,6-Trichlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4,5-Trichlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Chloronaphthalene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Nitroaniline | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Dimethyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Acenaphthylene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,6-Dinitrotoluene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 3-Nitroaniline | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Acenaphthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dinitrophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Dibenzofuran | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dinitrotoluene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Nitrophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Diethyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Fluorene | 120 J | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Chlorophenylphenylether | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Nitroaniline | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| N-Nitrosodiphenylamine | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Bromophenylphenylether | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Pentachlorophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Phenanthrene | 180 J | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Anthracene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Carbazole | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Di-n-butyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Fluoranthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Pyrene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Butylbenzyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(a)anthracene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 3,3-Dichlorobenzidine | U | ug/kg | 400 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Chrysene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Di-n-octyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(b)fluoranthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(k)fluoranthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(a)pyrene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Dibenzo(a,h)anthracene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FLI
FRIEND LABORATORY · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID :L39569-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFG7100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 660 | ug/kg | J | 10.71 |
| UNKNOWN | 990 | ug/kg | J | 13.07 |
| UNKNOWN | 970 | ug/kg | J | 13.39 |
| UNKNOWN | 630 | ug/kg | J | 16.1 |
| UNKNOWN | 1300 | ug/kg | J | 17.34 |
| UNKNOWN | 980 | ug/kg | J | 18.52 |
| UNKNOWN | 620 | ug/kg | J | 19.37 |
| UNKNOWN | 1700 | ug/kg | J | 19.98 |
| UNKNOWN | 700 | ug/kg | J | 20.87 |
| UNKNOWN | 1300 | ug/kg | J | 21.03 |
| UNKNOWN | 1800 | ug/kg | J | 21.82 |
| UNKNOWN | 3800 | ug/kg | J | 21.93 |
| UNKNOWN | 2000 | ug/kg | J | 22.25 |
| UNKNOWN | 960 | ug/kg | J | 23.35 |
| UNKNOWN | 1200 | ug/kg | J | 23.59 |
| UNKNOWN | 1500 | ug/kg | J | 24.93 |
| UNKNOWN | 800 | ug/kg | J | 25.79 |
| UNKNOWN | 1600 | ug/kg | J | 34.19 |
| UNKNOWN | 1100 | ug/kg | J | 38.46 |
| UNKNOWN | 620 | ug/kg | J | |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 56 | % | 98-051-9400 |
| 2-Fluorophenol | 55 | % | 98-051-9400 |
| Phenol-d5 | 59 | % | 98-051-9400 |
| 2,4,6-Tribromophenol | 59 | % | 98-051-9400 |
| Nitrobenzene-d5 | 66 | % | 98-051-9400 |
| 2-Fluorobiphenyl | 59 | % | 98-051-9400 |

Analysis Comment: Dry weight basis. Internal standard 6 out of limits high.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 139569-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2278

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

Soil Extract Volume: _____ (µL) R13281 Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

Number TICs found: 1 dm 10/12/99 (µg/L or µg/Kg) µg/Kg Dry weight

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.15 | 10.00 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

KIJJFI CMY 1

10/15/99

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L35969-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9400.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 10.71 | 660 | J |
| 2. | | 13.07 | 990 | |
| 3. | | 13.39 | 970 | |
| 4. | | 16.10 | 630 | |
| 5. | | 17.34 | 1300 | |
| 6. | | 18.52 | 980 | |
| 7. | | 19.37 | 620 | |
| 8. | | 19.98 | 1700 | |
| 9. | | 20.87 | 700 | |
| 10. | | 21.03 | 1300 | |
| 11. | | 21.82 | 1800 | |
| 12. | | 21.93 | 3800 | |
| 13. | | 22.25 | 2000 | |
| 14. | | 23.05 | 960 | |
| 15. | | 23.35 | 1200 | |
| 16. | | ~~25~~ 23.59 | 1500 | |
| 17. | | 24.93 ~~24.93~~ | 800 | |
| 18. | | 25.79 | 1600 | |
| 19. | | 34.19 | 1100 | |
| 20. | | 38.46 | 620 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 25. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFGS100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.65 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 5690 | mg/kg | 8.51 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.67 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 13.6 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 60.8 | mg/kg | 1.82 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.227 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5670 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 47500 | mg/kg | 1100 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 8.3 | mg/kg | 1.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.34 | mg/kg | 1.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 23.3 | mg/kg | 1.93 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 14100 | mg/kg | 4.54 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 16.7 | mg/kg | 4.99 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 8600 | mg/kg | 56.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 676 | mg/kg | 0.567 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13.1 | mg/kg | 1.36 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 794 | mg/kg | 56.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.94 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.14 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 86.6 | mg/kg | 22.6 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 22-NOV-1999

LAB SAMPLE ID :L39569-2

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| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.38 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 8.49 | mg/kg | 1.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 64.3 | mg/kg | 2.27 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Vinyl chloride | U | ug/kg | 260 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Chloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Bromomethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1-Dichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Acetone | U | ug/kg | 3200 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Carbon disulfide | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Methylene chloride | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| trans-1,2-Dichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1-Dichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| cis-1,2-Dichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3200 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Chloroform | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1,1-Trichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Carbon tetrachloride | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Benzene | U | ug/kg | 90 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,2-Dichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Trichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,2-Dichloropropane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Bromodichloromethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| cis-1,3-Dichloropropene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Toluene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| trans-1,3-Dichloropropene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1,2-Trichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Tetrachloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Dibromochloromethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Chlorobenzene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Ethylbenzene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| p-Xylene/m-Xylene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| o-Xylene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Styrene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID :L39569-2

Fagan Engineers
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Elmira, NY 14904

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|---|---|
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| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 2300 | ug/kg | J | 26.09 |
| UNKNOWN | 6800 | ug/kg | J | 29.18 |
| UNKNOWN | 2700 | ug/kg | J | 29.37 |
| UNKNOWN | 4800 | ug/kg | J | 29.5 |
| UNKNOWN | 4100 | ug/kg | J | 29.95 |
| UNKNOWN | 5200 | ug/kg | J | 30.06 |
| UNKNOWN | 11000 | ug/kg | J | 30.4 |
| UNKNOWN | 5000 | ug/kg | J | 31.05 |
| UNKNOWN | 6400 | ug/kg | J | 31.15 |
| UNKNOWN | 3400 | ug/kg | J | 32.13 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 107 | % | 99-187-F2279 |
| Toluene-d8 | 98 | % | 99-187-F2279 |
| 4-Bromofluorobenzene | 106 | % | 99-187-F2279 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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|---|---|
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| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 23 * | % | | | | 99-127-8189 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 23 * | % | | | | 99-127-8189 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Phenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Chlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,3-Dichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,4-Dichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,2-Dichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Bis(2-chloroisopropylether) | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Methylphenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachloroethane | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Nitrobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Isophorone | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Nitrophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dimethylphenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bis(2-chloroethoxymethane) | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dichlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Naphthalene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Chloroaniline | U | ug/kg | 500 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachlorobutadiene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Chloro-3-methylphenol | U | ug/kg | 500 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Methylnaphthalene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachlorocyclopentadiene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4,6-Trichlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4,5-Trichlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Chloronaphthalene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Nitroaniline | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Dimethyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Acenaphthylene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,6-Dinitrotoluene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 3-Nitroaniline | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Acenaphthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dinitrophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Dibenzofuran | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dinitrotoluene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Nitrophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Diethyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Fluorene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Chlorophenylphenylether | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Nitroaniline | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| N-Nitrosodiphenylamine | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Bromophenylphenylether | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Pentachlorophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Phenanthrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Anthracene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Carbazole | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Di-n-butyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Fluoranthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Pyrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Butylbenzyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(a)anthracene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 3,3-Dichlorobenzidine | U | ug/kg | 500 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Chrysene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFGS100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(b)fluoranthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(k)fluoranthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(a)pyrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Dibenzo(a,h)anthracene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(g,h,i)perylene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 670 | ug/kg | J | 34.18 |
| UNKNOWN | 300 | ug/kg | J | 38.46 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 55 | % | 98-051-9401 |
| 2-Fluorophenol | 46 | % | 98-051-9401 |
| Phenol-d5 | 50 | % | 98-051-9401 |
| 2,4,6-Tribromophenol | 48 | % | 98-051-9401 |
| Nitrobenzene-d5 | 56 | % | 98-051-9401 |
| 2-Fluorobiphenyl | 50 | % | 98-051-9401 |

Analysis Comment: Dry weight basis. Internal standard 1-4 out of limits high.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9401.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 2

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 34.18 | 670 | J |
| 2. | ↓ | 38.46 | 300 | ↓ |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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| 30. | | | | |

FORM I-CLP-SV-TIC

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39 569-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2279

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:

Number TICs found: 10 (µg/L or µg/Kg) ~~µg/Kg~~ dry weight

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 26.09 | 3300 | J |
| 2. | | 29.18 | SMB 10/11/99 ~~3700~~ 6800 | |
| 3. | | 29.37 | 2700 | |
| 4. | | 29.50 | 4800 | |
| 5. | | 29.95 | 4100 | |
| 6. | | 30.06 | 5200 | |
| 7. | | 30.40 | SMB 10/11/99 ~~3900~~ 11000 | |
| 8. | | 31.05 | 5000 | |
| 9. | | 31.15 | 6400 | |
| 10. | | 32.13 | 3400 | |
| 11. | | | | |
| 12. | | | | |
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFDUP100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.64 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 7250 | mg/kg | 8.02 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.34 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 53.4 | mg/kg | 1.71 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.241 | mg/kg | 0.214 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5340 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 38800 | mg/kg | 53.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 9.57 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.79 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 19.8 | mg/kg | 1.82 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 15800 | mg/kg | 4.28 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 12.7 | mg/kg | 4.70 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 13000 | mg/kg | 53.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 460 | mg/kg | 0.534 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 15.5 | mg/kg | 1.28 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 832 | mg/kg | 53.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.48 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.07 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 94.2 | mg/kg | 21.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFDUP100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.95 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 9.97 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 56.6 | mg/kg | 2.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Vinyl chloride | U | ug/kg | 260 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Chloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Bromomethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1-Dichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Acetone | U | ug/kg | 3300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Carbon disulfide | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Methylene chloride | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| trans-1,2-Dichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1-Dichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| cis-1,2-Dichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Chloroform | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1,1-Trichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Carbon tetrachloride | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Benzene | U | ug/kg | 92 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,2-Dichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Trichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,2-Dichloropropane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Bromodichloromethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| cis-1,3-Dichloropropene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Toluene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| trans-1,3-Dichloropropene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1,2-Trichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Tetrachloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 2-Hexanone | U | ug/kg | 1300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Dibromochloromethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Chlorobenzene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Ethylbenzene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| p-Xylene/m-Xylene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| o-Xylene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Styrene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFDUP100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 3600 | ug/kg | J | 26.15 |
| UNKNOWN | 2800 | ug/kg | J | 29.25 |
| UNKNOWN | 3600 | ug/kg | J | 29.59 |
| UNKNOWN | 23.4 | ug/kg | J | 30.03 |
| UNKNOWN | 4600 | ug/kg | J | 30.14 |
| UNKNOWN | 10000 | ug/kg | J | 30.47 |
| UNKNOWN | 3800 | ug/kg | J | 31.14 |
| UNKNOWN | 6000 | ug/kg | J | 31.23 |
| UNKNOWN | 3300 | ug/kg | J | 32.21 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 116 | % | | | | 99-187-F2311 |
| Toluene-d8 | 98 | % | | | | 99-187-F2311 |
| 4-Bromofluorobenzene | 104 | % | | | | 99-187-F2311 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| beta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Lindane (gamma-BHC) | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| delta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Heptachlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Aldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Heptachlor epoxide | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| alpha-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endosulfan I | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| gamma-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| 4,4'-DDE | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Dieldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endosulfan II | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| 4,4'-DDD | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFDUP100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endrin ketone | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endrin aldehyde | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endosulfan sulfate | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| 4,4'-DDT | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Methoxychlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Toxaphene | U | mg/kg | 0.03 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 76 | % | | | | 99-127-8190 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 76 | % | | | | 99-127-8190 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Phenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Chlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,3-Dichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,4-Dichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,2-Dichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Bis(2-chloroisopropylether) | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Methylphenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachloroethane | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |



QC 4 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFDUP100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Nitrobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Isophorone | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Nitrophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dimethylphenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dichlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Naphthalene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Chloroaniline | U | ug/kg | 430 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachlorobutadiene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Chloro-3-methylphenol | U | ug/kg | 430 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Methylnaphthalene | 310 | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachlorocyclopentadiene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4,6-Trichlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4,5-Trichlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Chloronaphthalene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Nitroaniline | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Dimethyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Acenaphthylene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,6-Dinitrotoluene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 3-Nitroaniline | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Acenaphthene | 170 J | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dinitrophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Dibenzofuran | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dinitrotoluene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Nitrophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Diethyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Fluorene | 200 J | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Chlorophenylphenylether | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Nitroaniline | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| N-Nitrosodiphenylamine | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Bromophenylphenylether | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Pentachlorophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Phenanthrene | 280 | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Anthracene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Carbazole | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Di-n-butyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Fluoranthene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Pyrene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Butylbenzyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFDUP100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(a)anthracene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 3,3-Dichlorobenzidine | U | ug/kg | 430 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Chrysene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Di-n-octyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(b)fluoranthene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(k)fluoranthene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(a)pyrene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Dibenzo(a,h)anthracene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(g,h,i)perylene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 780 | ug/kg | J | 10.69 |
| UNKNOWN | 1200 | ug/kg | J | 13.06 |
| UNKNOWN | 750 | ug/kg | J | 13.18 |
| UNKNOWN | 1300 | ug/kg | J | 13.38 |
| UNKNOWN | 740 | ug/kg | J | 16.1 |
| UNKNOWN | 1500 | ug/kg | J | 17.35 |
| UNKNOWN | 730 | ug/kg | J | 17.61 |
| UNKNOWN | 1200 | ug/kg | J | 18.51 |
| UNKNOWN | 2400 | ug/kg | J | 19.97 |
| UNKNOWN | 1100 | ug/kg | J | 20.87 |
| UNKNOWN | 2100 | ug/kg | J | 21.03 |
| UNKNOWN | 3100 | ug/kg | J | 21.82 |
| UNKNOWN | 5500 | ug/kg | J | 21.93 |
| UNKNOWN | 3200 | ug/kg | J | 22.25 |
| UNKNOWN | 1500 | ug/kg | J | 23.06 |
| UNKNOWN | 1600 | ug/kg | J | 23.35 |
| UNKNOWN | 2900 | ug/kg | J | 23.6 |
| UNKNOWN | 990 | ug/kg | J | 24.94 |



QC PB NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFDUP100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 1900 | ug/kg | J | 25.8 | | | |
| UNKNOWN | 1200 | ug/kg | J | 34.19 | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 57 | % | | | | | 98-051-9402 |
| 2-Fluorophenol | 48 | % | | | | | 98-051-9402 |
| Phenol-d5 | 54 | % | | | | | 98-051-9402 |
| 2,4,6-Tribromophenol | 57 | % | | | | | 98-051-9402 |
| Nitrobenzene-d5 | 60 | % | | | | | 98-051-9402 |
| 2-Fluorobiphenyl | 56 | % | | | | | 98-051-9402 |

Analysis Comment: Results Calculated on a dry weight basis.



QC 6f NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9402.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 10.69 | 780 | J |
| 2. | | 13.06 | 1200 | |
| 3. | | 13.18 | 750 | |
| 4. | | 13.38 | 1300 | |
| 5. | | 16.10 | 740 | |
| 6. | | 17.35 | 1500 | |
| 7. | | 17.61 | 730 | |
| 8. | | 18.51 | 1200 | |
| 9. | | 19.97 | 2400 | |
| 10. | | 20.87 | 1100 | |
| 11. | | 21.03 | 2100 | |
| 12. | | 21.82 | 3100 | |
| 13. | | 21.93 | 5500 | |
| 14. | | 22.25 | 3200 | |
| 15. | | 23.06 | 1500 | |
| 16. | | 23.35 | 1600 | |
| 17. | | 23.60 | 2900 | |
| 18. | | 24.94 | 990 | |
| 19. | | 25.80 | 1900 | |
| 20. | | 34.19 | 1200 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

# VOLATILE ORGANICS ANALYSIS DATA SHEET
# TENTATIVELY IDENTIFIED COMPOUNDS

KIJCO LM 10/15/99

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2311

10/21

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

% Moisture: not dec. _____ Date Analyzed: 10/13/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) ~~µg/Kg~~ dry weight

Number TICs found: 9

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 26.15 | 36.00 | J |
| 2. | | 29.25 | 58.00 | J |
| 3. | | 29.59 | 36.00 | J |
| 4. | | 30.03 | 23.4 | J |
| 5. | | 30.14 | 4800 | J |
| 6. | | 30.47 | 10 000 | J |
| 7. | | 31.14 | 3800 | J |
| 8. | | 31.23 | 6000 | J |
| 9. | | 32.21 | 3300 | J |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG4A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 84 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 9470 | mg/kg | 8.86 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.91 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 14.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 170 | mg/kg | 1.89 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.528 | mg/kg | 0.236 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | 12.7 | mg/kg | 11.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 1600 | mg/kg | 59.0 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 9.48 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.84 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 108 | mg/kg | 2.01 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 14800 | mg/kg | 4.73 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 16.9 | mg/kg | 5.20 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 1890 | mg/kg | 59.0 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 275 | mg/kg | 0.591 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.12 | mg/kg | 0.0120 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13 | mg/kg | 1.42 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 798 | mg/kg | 59.0 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 8.27 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.18 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 122 | mg/kg | 23.6 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG4A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.68 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 10.7 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 70 | mg/kg | 2.36 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Vinyl chloride | U | ug/kg | 280 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Chloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Bromomethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1-Dichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Acetone | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Carbon disulfide | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Methylene chloride | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| trans-1,2-Dichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1-Dichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| cis-1,2-Dichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Chloroform | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1,1-Trichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Carbon tetrachloride | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Benzene | U | ug/kg | 97 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,2-Dichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Trichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,2-Dichloropropane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Bromodichloromethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| cis-1,3-Dichloropropene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Toluene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| trans-1,3-Dichloropropene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1,2-Trichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Tetrachloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 2-Hexanone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Dibromochloromethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Chlorobenzene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Ethylbenzene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| p-Xylene/m-Xylene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| o-Xylene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Styrene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 840 | ug/kg | J | 22.51 |
| UNKNOWN | 2200 | ug/kg | J | 23.12 |
| UNKNOWN | 2000 | ug/kg | J | 23.89 |
| UNKNOWN | 1200 | ug/kg | J | 25.62 |
| UNKNOWN | 2100 | ug/kg | J | 26.11 |
| UNKNOWN | 1900 | ug/kg | J | 26.82 |
| UNKNOWN | 1600 | ug/kg | J | 27.08 |
| UNKNOWN | 900 | ug/kg | J | 27.28 |
| UNKNOWN | 1200 | ug/kg | J | 27.82 |
| UNKNOWN | 1200 | ug/kg | J | 28.02 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 93 | % | | | | 99-187-F2280 |
| Toluene-d8 | 106 | % | | | | 99-187-F2280 |
| 4-Bromofluorobenzene | 106 | % | | | | 99-187-F2280 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| beta-BHC | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Lindane (gamma-BHC) | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| delta-BHC | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Heptachlor | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Aldrin | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Heptachlor epoxide | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| alpha-Chlordane | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endosulfan I | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| gamma-Chlordane | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| 4,4'-DDE | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Dieldrin | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endrin | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endosulfan II | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |



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| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4,4'-DDD | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endrin ketone | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endrin aldehyde | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endosulfan sulfate | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| 4,4'-DDT | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Methoxychlor | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Toxaphene | U | mg/kg | 0.2 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 100 | % | | | | 99-127-8200 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1221 | U | mg/kg | 0.1 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1232 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1242 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1248 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1254 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1260 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 100 | % | | | | 99-127-8200 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Phenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Chlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,3-Dichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,4-Dichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,2-Dichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Bis(2-chloroisopropylether) | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Methylphenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachloroethane | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |



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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Nitrobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Isophorone | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Nitrophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dimethylphenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dichlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Naphthalene | 80 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Chloroaniline | U | ug/kg | 550 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachlorobutadiene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Chloro-3-methylphenol | U | ug/kg | 550 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Methylnaphthalene | 64 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachlorocyclopentadiene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4,6-Trichlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4,5-Trichlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Chloronaphthalene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Nitroaniline | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Dimethyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Acenaphthylene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,6-Dinitrotoluene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 3-Nitroaniline | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Acenaphthene | 120 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Dibenzofuran | 76 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dinitrotoluene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Nitrophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Diethyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Fluorene | 110 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Chlorophenylphenylether | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Nitroaniline | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| N-Nitrosodiphenylamine | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Bromophenylphenylether | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Pentachlorophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Phenanthrene | 1300 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Anthracene | 310 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Carbazole | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Di-n-butyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Fluoranthene | 1700 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Pyrene | 1800 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |



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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Butylbenzyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(a)anthracene | 920 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 3,3-Dichlorobenzidine | U | ug/kg | 550 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Chrysene | 920 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Di-n-octyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(b)fluoranthene | 1300 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(k)fluoranthene | 470 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(a)pyrene | 820 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Indeno(1,2,3-cd)pyrene | 470 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Dibenzo(a,h)anthracene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(g,h,i)perylene | 460 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 230 | ug/kg | J | 5.42 |
| UNKNOWN | 230 | ug/kg | J | 29 |
| UNKNOWN | 230 | ug/kg | J | 29.24 |
| UNKNOWN | 350 | ug/kg | J | 29.91 |
| UNKNOWN | 2400 | ug/kg | J | 34.27 |
| UNKNOWN | 1900 | ug/kg | J | 38.58 |
| UNKNOWN | 410 | ug/kg | J | 39.85 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 104 | % | 98-051-9412 |
| 2-Fluorophenol | 61 | % | 98-051-9412 |
| Phenol-d5 | 75 | % | 98-051-9412 |
| 2,4,6-Tribromophenol | 77 | % | 98-051-9412 |
| Nitrobenzene-d5 | 85 | % | 98-051-9412 |
| 2-Fluorobiphenyl | 86 | % | 98-051-9412 |

Analysis Comment: Dry weight basis.Internal standard 6 out of limits low. Confirmed by B9413.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 F

Fagan

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 13959-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: ~~B942.d~~ B9412.D MB, 10/19/99

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

% Moisture: decanted: (Y/N) ____ Date Extracted: _____

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: 1

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 7

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.42 | 230 | J |
| 2. | | 29.00 | 230 | |
| 3. | | 29.24 | 230 | |
| 4. | | 29.91 | 350 | |
| 5. | | 34.27 | 2400 | |
| 6. | | 38.58 | 1900 | |
| 7. | | 39.85 | 410 | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 29. | | | | |
| 30. | | | | |

R13475
10/19/99

FORM I-CLP-SV-TIC

MB, 10/19

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 139569-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2280

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight.

Number TICs found: 10

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 22.51 | 840 | J |
| 2. | | 23.12 | 2200 | |
| 3. | | 23.89 | 2000 | |
| 4. | | 25.62 | 1200 | |
| 5. | | 26.11 | 2100 | |
| 6. | | 26.82 | 1900 | |
| 7. | | 27.08 | 1600 | |
| 8. | | 27.28 | 900 | |
| 9. | | 27.82 | 1200 | |
| 10. | | 28.02 | 1200 | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 15-NOV-1999

LAB SAMPLE ID : L39569-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGW3A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 83.76 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 1900 | mg/kg | 8.92 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.94 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 14.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 84.2 | mg/kg | 1.90 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.598 | mg/kg | 0.238 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5940 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 1980 | mg/kg | 59.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 5.65 | mg/kg | 1.19 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 5.63 | mg/kg | 1.19 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 29.9 | mg/kg | 2.02 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 13600 | mg/kg | 4.76 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 169 | mg/kg | 5.23 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 262 | mg/kg | 59.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 59.5 | mg/kg | 0.594 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.029 | mg/kg | 0.0130 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 11.2 | mg/kg | 1.43 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 263 | mg/kg | 59.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 8.32 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.19 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 89.1 | mg/kg | 23.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC QCR NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID : L39569-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGW3A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.73 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 9.76 | mg/kg | 1.19 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 93.4 | mg/kg | 2.38 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Vinyl chloride | U | ug/kg | 280 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Chloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Bromomethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1-Dichloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Acetone | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Carbon disulfide | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Methylene chloride | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| trans-1,2-Dichloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1-Dichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| cis-1,2-Dichloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Chloroform | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1,1-Trichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Carbon tetrachloride | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Benzene | U | ug/kg | 97 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,2-Dichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Trichloroethene | 1400 | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,2-Dichloropropane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Bromodichloromethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| cis-1,3-Dichloropropene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Toluene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| trans-1,3-Dichloropropene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1,2-Trichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Tetrachloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 2-Hexanone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Dibromochloromethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Chlorobenzene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Ethylbenzene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| p-Xylene/m-Xylene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| o-Xylene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Styrene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |



QC eaR NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID L39569-5

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113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
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| ORIGIN | S-ALFGW3A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 740 | ug/kg | J | 6.16 |
| UNKNOWN | 700 | ug/kg | J | 7.08 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 89 | % | 99-187-F2281 |
| Toluene-d8 | 103 | % | 99-187-F2281 |
| 4-Bromofluorobenzene | 108 | % | 99-187-F2281 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| beta-BHC | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| delta-BHC | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Heptachlor | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Aldrin | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| alpha-Chlordane | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endosulfan I | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| gamma-Chlordane | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| 4,4'-DDE | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Dieldrin | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endrin | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endosulfan II | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| 4,4'-DDD | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endrin ketone | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endrin aldehyde | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| 4,4'-DDT | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Methoxychlor | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Toxaphene | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8081 | 99-127-8197 |



QC eal NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID L39569-5

Fagan Engineers
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113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
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| ORIGIN | S-ALFGW3A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 75 | % | | | | 99-127-8197 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 75 | % | | | | 99-127-8197 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Phenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Chlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 1,3-Dichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 1,4-Dichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 1,2-Dichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Bis(2-chloroisopropylether) | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Methylphenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachloroethane | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Nitrobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Isophorone | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Nitrophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dimethylphenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dichlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |



QC ___ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Naphthalene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Chloroaniline | U | ug/kg | 560 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachlorobutadiene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Chloro-3-methylphenol | U | ug/kg | 560 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Methylnaphthalene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachlorocyclopentadiene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4,6-Trichlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4,5-Trichlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Chloronaphthalene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Nitroaniline | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Dimethyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Acenaphthylene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,6-Dinitrotoluene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 3-Nitroaniline | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Acenaphthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Dibenzofuran | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dinitrotoluene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Nitrophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Diethyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Fluorene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Chlorophenylphenylether | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Nitroaniline | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| N-Nitrosodiphenylamine | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Bromophenylphenylether | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Pentachlorophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Phenanthrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Anthracene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Carbazole | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Di-n-butyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Fluoranthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Pyrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Butylbenzyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(a)anthracene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 3,3-Dichlorobenzidine | U | ug/kg | 560 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Chrysene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Di-n-octyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(b)fluoranthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |



QC ok NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 15-NOV-1999

LAB SAMPLE ID L39569-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGW3A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(a)pyrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Dibenzo(a,h)anthracene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(g,h,i)perylene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 600 | ug/kg | J | 6.9 |
| 4-Hydroxy-4-Methyl-2-Pentanone | 860 | ug/kg | A | 7.88 |
| UNKNOWN | 1200 | ug/kg | J | 34.17 |
| UNKNOWN | 690 | ug/kg | J | 38.45 |
| UNKNOWN | 300 | ug/kg | J | 42.4 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 96 | % | 98-051-9403 |
| 2-Fluorophenol | 68 | % | 98-051-9403 |
| Phenol-d5 | 75 | % | 98-051-9403 |
| 2,4,6-Tribromophenol | 83 | % | 98-051-9403 |
| Nitrobenzene-d5 | 83 | % | 98-051-9403 |
| 2-Fluorobiphenyl | 79 | % | 98-051-9403 |

Analysis Comment: Results Calculated on a dry weight basis.



QC GCK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-5

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9403.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

10/21

Number TICs found: 5

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 6.90 | 600 | J |
| 2. 123-42-2 | 4-Hydroxy-4-methyl-2-Pentanone | 7.88 | 860 | A |
| 3. | Unknown | 34.17 | 1200 | J |
| 4. | ↓ | 38.45 | 690 | ↓ |
| 5. | ↓ | 42.40 | 300 | ↓ |
| 6. | | | | |
| 7. | | | | |
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| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY
I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.31 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 4050 | mg/kg | 7.99 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.33 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 52 | mg/kg | 1.70 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.213 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5330 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 51500 | mg/kg | 53.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 7.28 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 2.59 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 17.6 | mg/kg | 1.81 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 10100 | mg/kg | 4.26 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 4.86 | mg/kg | 4.69 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 14000 | mg/kg | 53.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 567 | mg/kg | 0.533 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 9.75 | mg/kg | 1.28 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 589 | mg/kg | 53.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.46 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.07 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 80.1 | mg/kg | 21.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIG'N | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.92 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 6.97 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 47.1 | mg/kg | 2.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Vinyl chloride | U | ug/kg | 250 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Chloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Bromomethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,1-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Acetone | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Carbon disulfide | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Methylene chloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| trans-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,1-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| cis-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Chloroform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,1,1-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Carbon tetrachloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Benzene | U | ug/kg | 86 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,2-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Trichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,2-Dichloropropane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Bromodichloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| cis-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Methyl isobutyl ketone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Toluene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| trans-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,1,2-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Tetrachloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 2-Hexanone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Dibromochloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Chlorobenzene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Ethylbenzene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| p-Xylene/m-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| o-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| Styrene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFB1100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 1100 | ug/kg | J | 6.19 |
| UNKNOWN | 670 | ug/kg | J | 30.94 |
| UNKNOWN | 700 | ug/kg | J | 31.1 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 104 | % | 99-187-F2284 |
| Toluene-d8 | 107 | % | 99-187-F2284 |
| 4-Bromofluorobenzene | 104 | % | 99-187-F2284 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8191 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

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| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 79 | % | | | | 99-127-8191 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 79 | % | | | | 99-127-8191 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Phenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Chlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 1,3-Dichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 1,4-Dichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 1,2-Dichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Bis(2-chloroisopropylether) | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Methylphenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Hexachloroethane | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Nitrobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Isophorone | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Nitrophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4-Dimethylphenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4-Dichlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |



QC NY 10252 NJ 73168 PA 68160 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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"Our family, caring about your analytical needs . . . Since 1963."

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Naphthalene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 4-Chloroaniline | U | ug/kg | 490 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Hexachlorobutadiene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 4-Chloro-3-methylphenol | U | ug/kg | 490 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Methylnaphthalene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Hexachlorocyclopentadiene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4,6-Trichlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4,5-Trichlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Chloronaphthalene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Nitroaniline | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Dimethyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Acenaphthylene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,6-Dinitrotoluene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 3-Nitroaniline | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Acenaphthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4-Dinitrophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Dibenzofuran | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4-Dinitrotoluene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 4-Nitrophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Diethyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Fluorene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 4-Chlorophenylphenylether | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 4-Nitroaniline | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| N-Nitrosodiphenylamine | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 4-Bromophenylphenylether | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Hexachlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Pentachlorophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Phenanthrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Anthracene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Carbazole | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Di-n-butyl phthalate | 290 B | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Fluoranthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Pyrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Butylbenzyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Benzo(a)anthracene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 3,3-Dichlorobenzidine | U | ug/kg | 490 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Chrysene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Di-n-octyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Benzo(b)fluoranthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Benzo(a)pyrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Dibenzo(a,h)anthracene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Benzo(g,h,i)perylene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 1200 | ug/kg | A | 7.9 |
| UNKNOWN | 210 | ug/kg | J | 17.26 |
| UNKNOWN | 220 | ug/kg | J | 17.53 |
| UNKNOWN | 240 | ug/kg | J | 18.07 |
| UNKNOWN | 270 | ug/kg | J | 18.3 |
| UNKNOWN | 210 | ug/kg | J | 18.42 |
| UNKNOWN | 210 | ug/kg | J | 18.82 |
| UNKNOWN | 280 | ug/kg | J | 19.97 |
| UNKNOWN | 300 | ug/kg | J | 20.64 |
| UNKNOWN | 360 | ug/kg | J | 21.49 |
| UNKNOWN | 530 | ug/kg | J | 21.84 |
| UNKNOWN | 660 | ug/kg | J | 22.16 |
| UNKNOWN | 270 | ug/kg | J | 28.01 |
| UNKNOWN | 240 | ug/kg | J | 32.1 |
| UNKNOWN | 3400 | ug/kg | JB | 35.55 |
| UNKNOWN | 240 | ug/kg | J | 36.61 |
| UNKNOWN | 380 | ug/kg | JB | 37.59 |
| UNKNOWN | 410 | ug/kg | J | 42.58 |
| UNKNOWN | 220 | ug/kg | J | 44.98 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 87 | % | 98-051-9454 |
| 2-Fluorophenol | 60 | % | 98-051-9454 |
| Phenol-d5 | 72 | % | 98-051-9454 |
| 2,4,6-Tribromophenol | 75 | % | 98-051-9454 |
| Nitrobenzene-d5 | 60 | % | 98-051-9454 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 68 | % | | | | 98-051-9454 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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Tagger 1 1F 10/21

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9454.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 19

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 7.90 | 1200 | A |
| 2. | Unknown 17.26 | ~~17.8~~ 17.26 | 210 | J |
| 3. | | 17.53 | 220 | |
| 4. | | 18.07 | 240 | |
| 5. | | 18.30 | 270 | |
| 6. | | 18.42 | 210 | |
| 7. | | 18.82 | 210 | |
| 8. | | 19.97 | 280. | |
| 9. | | 20.64 | 300. | |
| 10. | | 21.49 | 360 | |
| 11. | | 21.84 ~~22.84~~ | 530 | |
| 12. | | 22.16 | 660 | |
| 13. | | 28.01 | 270 | JB |
| 14. | | 32.10 | 240 | J |
| 15. | | 35.55 | 3400 | JB |
| 16. | | 36.61 | 240 | J |
| 17. | | 37.59 | 380 | JB |
| 18. | | 42.58 | 410 | |
| 19. | | 44.98 | 220 | J |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

RB, 10/21

R13559 LM 10/21/99

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2284

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) µg/Kg dry weight.

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.19 | 1100 | J |
| 2. | | 30.94 | 670 | |
| 3. | | 31.10 | 700 | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 24. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 15-NOV-1999

LAB SAMPLE ID : L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 4290 | mg/kg | 8.43 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | 40.9 | mg/kg | 5.62 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | 192 | mg/kg | 13.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 542 | mg/kg | 1.80 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 5.02 | mg/kg | 0.225 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | 4.71 | mg/kg | 0.5630 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 37200 | mg/kg | 56.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 27.5 | mg/kg | 1.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 50.5 | mg/kg | 1.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 48.6 | mg/kg | 1.92 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 9880 | mg/kg | 4.50 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 54.4 | mg/kg | 4.95 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 10900 | mg/kg | 56.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 481 | mg/kg | 0.563 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.043 | mg/kg | 0.0120 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 57.2 | mg/kg | 1.35 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 1340 | mg/kg | 56.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | 171 | mg/kg | 7.87 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | 5.19 | mg/kg | 1.13 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 1020 | mg/kg | 22.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Thallium | 197 | mg/kg | 7.31 | 12-OCT-99 | EPA 6010 | 99-178-08 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 15-NOV-1999

LAB SAMPLE ID L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 55.5 | mg/kg | 1.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 91.7 | mg/kg | 2.25 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Vinyl chloride | U | ug/kg | 250 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Chloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Bromomethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1-Dichloroethene | 5300 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Acetone | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Carbon disulfide | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Methylene chloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| trans-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| cis-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Chloroform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1,1-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Carbon tetrachloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Benzene | 5900 | ug/kg | 87 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,2-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Trichloroethene | 5000 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,2-Dichloropropane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Bromodichloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| cis-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Methyl isobutyl ketone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Toluene | 6200 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| trans-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1,2-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Tetrachloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 2-Hexanone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Dibromochloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Chlorobenzene | 5600 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Ethylbenzene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| p-Xylene/m-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| o-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Styrene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Bromoform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 15-NOV-1999

LAB SAMPLE ID :L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 97 | % | | | | 99-187-F2286 |
| Toluene-d8 | 104 | % | | | | 99-187-F2286 |
| 4-Bromofluorobenzene | 109 | % | | | | 99-187-F2286 |
| Analysis Comment: Results Calculated on a dry weight basis. | | | | | | |
| EPA 8081 | | | | | | |
| Lindane (gamma-BHC) | 76 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Heptachlor | 126 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Aldrin | 71 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Dieldrin | 77 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Endrin | 87 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| 4,4'-DDT | 73 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 77 | % | | | | 99-127-8198 |
| Analysis Comment: Extracted past holding time. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | 1600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Phenol | 3600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Chlorophenol | 3700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,3-Dichlorobenzene | 790 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,4-Dichlorobenzene | 870 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,2-Dichlorobenzene | 950 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Bis(2-chloroisopropylether) | 1400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Methylphenol | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachloroethane | 790 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| N-Nitrosodi-N-propylamine | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 3-Methylphenol/4-Methylphenol | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Nitrobenzene | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Isophorone | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Nitrophenol | 3600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4-Dimethylphenol | 3100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Bis(2-chloroethoxymethane) | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID : L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2,4-Dichlorophenol | 3700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,2,4-Trichlorobenzene | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Naphthalene | 1500 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Chloroaniline | 1300 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachlorobutadiene | 950 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Chloro-3-methylphenol | 3600 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Methylnaphthalene | 1400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachlorocyclopentadiene | 530 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4,6-Trichlorophenol | 3900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4,5-Trichlorophenol | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Chloronaphthalene | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Nitroaniline | 2000 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Dimethyl phthalate | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Acenaphthylene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,6-Dinitrotoluene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 3-Nitroaniline | 1300 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Acenaphthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4-Dinitrophenol | 2900 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Dibenzofuran | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4-Dinitrotoluene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Nitrophenol | 4400 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Diethyl phthalate | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Fluorene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Chlorophenylphenylether | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Nitroaniline | 1600 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Methyl-4,6-dinitrophenol | 4100 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| N-Nitrosodiphenylamine | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Bromophenylphenylether | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachlorobenzene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Pentachlorophenol | 3900 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Phenanthrene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Anthracene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Carbazole | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Di-n-butyl phthalate | 1900 B | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Fluoranthene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Pyrene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Butylbenzyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(a)anthracene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 3,3-Dichlorobenzidine | 1200 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Chrysene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Bis-2-ethylhexyl phthalate | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Di-n-octyl phthalate | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

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Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(b)fluoranthene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(k)fluoranthene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(a)pyrene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Indeno(1,2,3-cd)pyrene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Dibenzo(a,h)anthracene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(g,h,i)perylene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 75 | % | | | | 98-051-9455 |
| 2-Fluorophenol | 58 | % | | | | 98-051-9455 |
| Phenol-d5 | 66 | % | | | | 98-051-9455 |
| 2,4,6-Tribromophenol | 73 | % | | | | 98-051-9455 |
| Nitrobenzene-d5 | 57 | % | | | | 98-051-9455 |
| 2-Fluorobiphenyl | 58 | % | | | | 98-051-9455 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 90.45 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 4500 | mg/kg | 7.84 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.22 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.5 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 51.9 | mg/kg | 1.68 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.209 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5220 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 39000 | mg/kg | 52.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 8.15 | mg/kg | 1.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 3.58 | mg/kg | 1.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 15.8 | mg/kg | 1.77 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 10300 | mg/kg | 4.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 6.49 | mg/kg | 4.60 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 13400 | mg/kg | 52.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 384 | mg/kg | 0.522 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0100 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 10 | mg/kg | 1.26 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 647 | mg/kg | 52.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.32 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.05 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 91.8 | mg/kg | 20.9 | 12-OCT-99 | EPA 6010 | 99-178-08 |



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| ORIGIN | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.79 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 6.89 | mg/kg | 1.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 51.5 | mg/kg | 2.09 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Vinyl chloride | U | ug/kg | 260 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Chloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Bromomethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1-Dichloroethene | 5700 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Acetone | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Carbon disulfide | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Methylene chloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| trans-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| cis-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Chloroform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1,1-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Carbon tetrachloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Benzene | 6600 | ug/kg | 92 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,2-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Trichloroethene | 5600 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,2-Dichloropropane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Bromodichloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| cis-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Toluene | 6900 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| trans-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1,2-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Tetrachloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Dibromochloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Chlorobenzene | 6200 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Ethylbenzene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| p-Xylene/m-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| o-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Styrene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |



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| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 95 | % | | | | 99-187-F2287 |
| Toluene-d8 | 107 | % | | | | 99-187-F2287 |
| 4-Bromofluorobenzene | 117 | % | | | | 99-187-F2287 |
| Analysis Comment: Results Calculated on a dry weight basis. | | | | | | |
| EPA 8081 | | | | | | |
| Lindane (gamma-BHC) | 76 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Heptachlor | 140 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Aldrin | 71 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Dieldrin | 77 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Endrin | 87 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| 4,4'-DDT | 73 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 81 | % | | | | 99-127-8199 |
| Analysis Comment: Results extracted past holding time. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Phenol | 3200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Chlorophenol | 3200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,3-Dichlorobenzene | 770 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,4-Dichlorobenzene | 790 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,2-Dichlorobenzene | 860 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Bis(2-chloroisopropylether) | 1200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Methylphenol | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachloroethane | 740 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| N-Nitrosodi-N-propylamine | 1500 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 3-Methylphenol/4-Methylphenol | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Nitrobenzene | 1500 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Isophorone | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Nitrophenol | 3400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dimethylphenol | 2700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Bis(2-chloroethoxymethane) | 1600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dichlorophenol | 3400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,2,4-Trichlorobenzene | 1200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |



NY 10252 NJ 73168 PA 68160 EPA NY 00033

Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Naphthalene | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Chloroaniline | 1200 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachlorobutadiene | 910 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Chloro-3-methylphenol | 3500 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Methylnaphthalene | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachlorocyclopentadiene | 460 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4,6-Trichlorophenol | 3900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4,5-Trichlorophenol | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Chloronaphthalene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Nitroaniline | 2100 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Dimethyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Acenaphthylene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,6-Dinitrotoluene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 3-Nitroaniline | 1400 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Acenaphthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dinitrophenol | 3100 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Dibenzofuran | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dinitrotoluene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Nitrophenol | 4700 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Diethyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Fluorene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Chlorophenylphenylether | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Nitroaniline | 1600 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Methyl-4,6-dinitrophenol | 4200 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| N-Nitrosodiphenylamine | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Bromophenylphenylether | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachlorobenzene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Pentachlorophenol | 4200 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Phenanthrene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Anthracene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Carbazole | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Di-n-butyl phthalate | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Fluoranthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Pyrene | 2200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Butylbenzyl phthalate | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(a)anthracene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 3,3-Dichlorobenzidine | 1100 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Chrysene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Bis-2-ethylhexyl phthalate | 2200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Di-n-octyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(b)fluoranthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(k)fluoranthene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |



QC NY 10252 NJ 73168 PA 68160 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(a)pyrene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Indeno(1,2,3-cd)pyrene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Dibenzo(a,h)anthracene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(g,h,i)perylene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 74 | % | | | | 98-051-9456 |
| 2-Fluorophenol | 46 | % | | | | 98-051-9456 |
| Phenol-d5 | 54 | % | | | | 98-051-9456 |
| 2,4,6-Tribromophenol | 70 | % | | | | 98-051-9456 |
| Nitrobenzene-d5 | 43 | % | | | | 98-051-9456 |
| 2-Fluorobiphenyl | 52 | % | | | | 98-051-9456 |

Analysis Comment: Dry weight basis.B-Compound was detected in the associated method blank.



NY 10252 NJ 73168 PA 68160 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 83.06 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 8640 | mg/kg | 9.27 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 6.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 14.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 187 | mg/kg | 1.98 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.504 | mg/kg | 0.247 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.6180 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 5680 | mg/kg | 61.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 11.9 | mg/kg | 1.24 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.24 | mg/kg | 1.24 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 115 | mg/kg | 2.10 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 18300 | mg/kg | 4.94 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 110 | mg/kg | 5.44 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 1940 | mg/kg | 61.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 692 | mg/kg | 0.618 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.085 | mg/kg | 0.0120 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13.7 | mg/kg | 1.48 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 825 | mg/kg | 61.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 8.65 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.24 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 196 | mg/kg | 24.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 8.04 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 15.3 | mg/kg | 1.24 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 92.4 | mg/kg | 2.47 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Vinyl chloride | U | ug/kg | 270 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Chloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Bromomethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Acetone | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Carbon disulfide | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Methylene chloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| trans-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| cis-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Chloroform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1,1-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Carbon tetrachloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Benzene | U | ug/kg | 94 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,2-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Trichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,2-Dichloropropane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Bromodichloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| cis-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Toluene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| trans-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1,2-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Tetrachloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Dibromochloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Chlorobenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Ethylbenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| p-Xylene/m-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| o-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Styrene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 710 | ug/kg | J | 5.86 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 91 | % | 99-187-F2282 |
| Toluene-d8 | 104 | % | 99-187-F2282 |
| 4-Bromofluorobenzene | 106 | % | 99-187-F2282 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8192 |



C NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFB2A100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 19 * | % | | | | 99-127-8192 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 19 * | % | | | | 99-127-8192 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Phenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Chlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 1,3-Dichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 1,4-Dichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 1,2-Dichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Bis(2-chloroisopropylether) | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Methylphenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachloroethane | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Nitrobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Isophorone | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Nitrophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dimethylphenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dichlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |



QC NY 10252 NJ 73166 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFB2A100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Naphthalene | 86 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Chloroaniline | U | ug/kg | 590 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachlorobutadiene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Chloro-3-methylphenol | U | ug/kg | 590 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Methylnaphthalene | 91 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachlorocyclopentadiene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4,6-Trichlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4,5-Trichlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Chloronaphthalene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Nitroaniline | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Dimethyl phthalate | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Acenaphthylene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,6-Dinitrotoluene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 3-Nitroaniline | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Acenaphthene | 120 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dinitrophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Dibenzofuran | 76 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dinitrotoluene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Nitrophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Diethyl phthalate | 79 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Fluorene | 99 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Chlorophenylphenylether | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Nitroaniline | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| N-Nitrosodiphenylamine | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Bromophenylphenylether | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Pentachlorophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Phenanthrene | 1600 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Anthracene | 290 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Carbazole | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Di-n-butyl phthalate | 1300 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Fluoranthene | 2000 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Pyrene | 2100 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Butylbenzyl phthalate | 480 B | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(a)anthracene | 1100 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 3,3-Dichlorobenzidine | U | ug/kg | 590 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Chrysene | 1100 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Bis-2-ethylhexyl phthalate | 420 B | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Di-n-octyl phthalate | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(b)fluoranthene | 1700 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | 610 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(a)pyrene | 1000 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Indeno(1,2,3-cd)pyrene | 450 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Dibenzo(a,h)anthracene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(g,h,i)perylene | 470 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 400 | ug/kg | A | 7.83 |
| UNKNOWN | 360 | ug/kg | J | 22.63 |
| UNKNOWN | 320 | ug/kg | J | 25.28 |
| UNKNOWN | 310 | ug/kg | J | 26.07 |
| UNKNOWN | 380 | ug/kg | J | 28.8 |
| UNKNOWN | 320 | ug/kg | J | 28.89 |
| UNKNOWN | 330 | ug/kg | J | 29.12 |
| UNKNOWN | 480 | ug/kg | J | 29.8 |
| UNKNOWN | 670 | ug/kg | J | 32.85 |
| UNKNOWN | 700 | ug/kg | J | 34.5 |
| UNKNOWN | 360 | ug/kg | J | 34.81 |
| UNKNOWN | 310 | ug/kg | J | 34.93 |
| UNKNOWN | 3400 | ug/kg | JB | 35.52 |
| UNKNOWN | 300 | ug/kg | J | 36.58 |
| UNKNOWN | 430 | ug/kg | J | 37.56 |
| UNKNOWN | 720 | ug/kg | J | 39.67 |
| UNKNOWN | 920 | ug/kg | J | 39.8 |
| UNKNOWN | 1400 | ug/kg | J | 42.38 |
| UNKNOWN | 560 | ug/kg | J | 42.69 |
| UNKNOWN | 360 | ug/kg | J | 46.14 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 94 | % | 98-051-9474 |
| 2-Fluorophenol | 58 | % | 98-051-9474 |
| Phenol-d5 | 80 | % | 98-051-9474 |
| 2,4,6-Tribromophenol | 72 | % | 98-051-9474 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Nitrobenzene-d5 | 62 | % | | | | 98-051-9474 |
| 2-Fluorobiphenyl | 69 | % | | | | 98-051-9474 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



NC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L3959-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2282

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight.

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 5.86 | 710 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9474.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 7.83 | 400 | A |
| 2. | Unknown | 22.63 | 360 | J |
| 3. | | 25.28 | 320 | |
| 4. | | 26.07 | 310 | |
| 5. | | 28.80 | 380 | |
| 6. | | 28.89 | 320 | |
| 7. | | 29.12 | 330 | |
| 8. | | 29.80 | 480 | |
| 9. | | 32.85 | 670 | |
| 10. | | 34.50 | 700 | |
| 11. | | 34.81 | 360 | |
| 12. | | 34.93 | 310 | |
| 13. | | 35.52 | 3400 | JB |
| 14. | | 36.58 | 300 | J |
| 15. | | 37.56 | 430 | |
| 16. | | 39.67 | 720 | |
| 17. | | 39.86 | 920 | |
| 18. | | ~~40.92~~ | ~~250~~ | |
| 19. | | 42.38 | 1400 | |
| 20. | | 42.69 | 560 | |
| 21. | | 46.14 | 360 | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

dlm 10/25



R136665

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFPCBA100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 88.24 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1221 | U | mg/kg | 0.2 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1232 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1242 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1248 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1254 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1260 | 0.14 | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 106 | % | | | | 99-108-2892 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC RK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-11

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFPCBB100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 13:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 81.24 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1221 | U | mg/kg | 0.2 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1232 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1242 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1248 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1254 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1260 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 94 | % | | | | 99-108-2893 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-12

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFPCBC100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:00 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 92.22 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1221 | U | mg/kg | 0.12 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1232 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1242 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1248 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1254 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1260 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 114 | % | | | | 99-108-2894 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2B100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 92.85 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 5700 | mg/kg | 7.40 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 4.93 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 11.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 38 | mg/kg | 1.58 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.197 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.4930 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 84900 | mg/kg | 990 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Chromium | 7.71 | mg/kg | 0.987 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.37 | mg/kg | 0.987 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 18.9 | mg/kg | 1.68 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 13000 | mg/kg | 3.95 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 7.46 | mg/kg | 4.34 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 10900 | mg/kg | 49.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 633 | mg/kg | 0.493 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.036 | mg/kg | 0.0100 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13.2 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 585 | mg/kg | 49.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 6.91 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 0.987 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 93.7 | mg/kg | 19.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.41 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 8.11 | mg/kg | 0.987 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 51.6 | mg/kg | 1.97 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Vinyl chloride | U | ug/kg | 270 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Chloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Bromomethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Acetone | U | ug/kg | 3400 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Carbon disulfide | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Methylene chloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| trans-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| cis-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3400 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Chloroform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1,1-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Carbon tetrachloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Benzene | U | ug/kg | 94 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,2-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Trichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,2-Dichloropropane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Bromodichloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| cis-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Toluene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| trans-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1,2-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Tetrachloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Dibromochloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Chlorobenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Ethylbenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| p-Xylene/m-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| o-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Styrene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |



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| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

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|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 740 | ug/kg | J | 6 |

| Surrogate Recovery: | | | | |
|---|---|---|---|---|
| Dibromofluoromethane | 96 | % | | 99-187-F2283 |
| Toluene-d8 | 107 | % | | 99-187-F2283 |
| 4-Bromofluorobenzene | 110 | % | | 99-187-F2283 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| beta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Lindane (gamma-BHC) | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| delta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Heptachlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Aldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Heptachlor epoxide | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| alpha-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endosulfan I | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| gamma-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| 4,4'-DDE | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Dieldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endosulfan II | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| 4,4'-DDD | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endrin ketone | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endrin aldehyde | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endosulfan sulfate | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| 4,4'-DDT | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Methoxychlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Toxaphene | U | mg/kg | 0.03 | 25-OCT-99 | EPA 8081 | 99-127-8193 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 88 | % | | | | 99-127-8193 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 88 | % | | | | 99-127-8193 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Phenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Chlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 1,3-Dichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 1,4-Dichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 1,2-Dichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Bis(2-chloroisopropylether) | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Methylphenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachloroethane | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Nitrobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Isophorone | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Nitrophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dimethylphenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dichlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |



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|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Naphthalene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Chloroaniline | U | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachlorobutadiene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Chloro-3-methylphenol | U | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Methylnaphthalene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachlorocyclopentadiene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4,6-Trichlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4,5-Trichlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Chloronaphthalene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Nitroaniline | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Dimethyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Acenaphthylene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,6-Dinitrotoluene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 3-Nitroaniline | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Acenaphthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Dibenzofuran | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dinitrotoluene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Nitrophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Diethyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Fluorene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Chlorophenylphenylether | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Nitroaniline | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| N-Nitrosodiphenylamine | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Bromophenylphenylether | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Pentachlorophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Phenanthrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Anthracene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Carbazole | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Di-n-butyl phthalate | 270 B | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Fluoranthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Pyrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Butylbenzyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(a)anthracene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 3,3-Dichlorobenzidine | U | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Chrysene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Bis-2-ethylhexyl phthalate | 140 J | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Di-n-octyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(b)fluoranthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |



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|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(a)pyrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Dibenzo(a,h)anthracene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(g,h,i)perylene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 230 | ug/kg | A | 7.93 |
| UNKNOWN | 240 | ug/kg | JB | 24 |
| UNKNOWN | 390 | ug/kg | JB | 28.02 |
| UNKNOWN | 4700 | ug/kg | JB | 35.54 |
| UNKNOWN | 240 | ug/kg | J | 36.61 |
| UNKNOWN | 450 | ug/kg | JB | 37.59 |
| UNKNOWN | 530 | ug/kg | JB | 42.59 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 91 | % | 98-051-9451 |
| 2-Fluorophenol | 62 | % | 98-051-9451 |
| Phenol-d5 | 72 | % | 98-051-9451 |
| 2,4,6-Tribromophenol | 64 | % | 98-051-9451 |
| Nitrobenzene-d5 | 59 | % | 98-051-9451 |
| 2-Fluorobiphenyl | 58 | % | 98-051-9451 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-5

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2281

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight

Number TICs found: 2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.16 | 740 | J |
| 2. | ↓ | 7.08 | 700 | J |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 10. | | | | |
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| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-13

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2283

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6. | 740 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
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| 11. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix (soil/water) _____ Lab Sample ID: L39569-13

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9451.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 7

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 7.93 | 230 | A |
| 2. | Unknown | 24.00 | 240 | JB |
| 3. | | 28.02 | 390 | |
| 4. | | 35.54 | 4700 | |
| 5. | | 36.61 | 240 | J |
| 6. | | 37.59 | 450 | JB |
| 7. | | 42.59 | 530 | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
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FORM I-CLP-SV-TIC

VB, 10/12/

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

# FAGAN ENGINEERS

# AMERICAN LAFRANCE

# SAMPLED: OCTOBER 7, 1999

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: AMERICAN LAFRANCE

P.O. #

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | $HNO_3$ pH <2 | $H_2SO_4$ pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: FAGAN
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME: 97.150

COPY TO:
ADDRESS:

L39644
~~L39468~~

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS | ANALYSES REQUESTED | SAMPLE NUMBER |
|---|---|---|---|---|
| October 7, 1999 3:00 | WALFGW DUP100799 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | FULL TCL ANALYSIS PER CONTRACT -1 | LAB USE ONLY |
| | T.B. | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 95-045-90-25 -2 | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-8-99 1140 | | 10/8/99 1140 | temp on ice 7.7 |
| | | | 15:14 10/8/99 | |

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT MODERATE HIGH (please circle)

# Laboratory Chronicle

FLI
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department: Vol.

Fraction/Parameter: 8260

SDG/Project: Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39648-1 | | | | |
| | L39648-2 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon McDonnell | 10/11/99 | 9:45 | Scott J. Borzyskowski | ~~9:45~~ 10/11/99 | 9:45 | |
| 1 | Scott J. Borzyskowski | 10-14-99 | 11:30 | [illegible] | 10/14/99 | 11:30 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
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LABORATORY
INC

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Lab Department Semi Vol.

Fraction/Parameter 8270

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L391648-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/14/99 | 1600 | [illegible] | 10/14/99 | 16:00 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
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LABORATORY
INC

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Lab Department: Semi-Vol

Fraction/Parameter: 8081/8082

SDG/Project: Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39648-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/12/99 | 1300 | RC Colbaugh | 10/12/99 | 13:00 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

FLI
FRIEND
LABORATORY
INC

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Lab Department Metals

SDG/Project Fagan/American LaFrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 139648-1 | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/11/99 | 8:54 | Joe Burleigh | 10/11/99 | 8:54 | |
| 1 | Joe Burleigh | 10/13/99 | 8:20 | Shannon M Bennett | 10/13/99 | 8:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 1.67 | mg/l | 0.075 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| Antimony | U | mg/l | 0.050 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Arsenic | U | mg/l | 0.002 | 14-OCT-99 | EPA 7062 | 97-198-30 |
| Barium | 0.167 | mg/l | 0.016 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Beryllium | U | mg/l | 0.002 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Cadmium | U | mg/l | 0.0050 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Calcium | 151 | mg/l | 0.500 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| Chromium | U | mg/l | 0.010 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Cobalt | U | mg/l | 0.010 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Copper | U | mg/l | 0.017 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Iron | 1.31 | mg/l | 0.040 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Lead | 0.007 | mg/l | 0.001 | 13-OCT-99 | EPA 7421 | 98-194-46 |
| Magnesium | 29.8 | mg/l | 0.500 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Manganese | 1.55 | mg/l | 0.005 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Mercury | U | mg/l | 0.0002 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | U | mg/l | 0.012 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Potassium | 4.99 | mg/l | 0.500 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Selenium | U | mg/l | 0.002 | 15-OCT-99 | EPA 7742 | 96-080-53 |
| Silver | U | mg/l | 0.010 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| Sodium | 30.5 | mg/l | 0.200 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Thallium | U | mg/l | 0.001 | 19-OCT-99 | EPA 7841 | 98-187-58 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGWDUP100799 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED | 08-OCT-99 15:19 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Zinc | 0.06 | mg/l | 0.020 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Vinyl chloride | U | ug/l | 2 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Chloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Bromomethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Acetone | U | ug/l | 25 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Carbon disulfide | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Methylene chloride | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1-Dichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Chloroform | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Carbon tetrachloride | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Benzene | U | ug/l | 0.7 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,2-Dichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Trichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,2-Dichloropropane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Bromodichloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Methyl isobutyl ketone | U | ug/l | 10 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Toluene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Tetrachloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 2-Hexanone | U | ug/l | 10 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Dibromochloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Chlorobenzene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Ethylbenzene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| o-Xylene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Styrene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Bromoform | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |



QC OK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 104 | % | | | | 99-158-9447 |
| Toluene-d8 | 99 | % | | | | 99-158-9447 |
| 4-Bromofluorobenzene | 104 | % | | | | 99-158-9447 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| beta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| delta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Heptachlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Aldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Heptachlor epoxide | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endosulfan I | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| 4,4'-DDE | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Dieldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endosulfan II | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| 4,4'-DDD | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endrin aldehyde | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endosulfan sulfate | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| 4,4'-DDT | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Methoxychlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Chlordane | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Toxaphene | U | ug/l | 0.53 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-62 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 82 | % | | | | 99-127-8073 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1221 | U | ug/l | 0.21 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1232 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1242 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1248 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1254 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1260 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-62 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 82 | % | | | | 99-127-8073 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Phenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Chlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Methylphenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachloroethane | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Nitrobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Isophorone | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Nitrophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Naphthalene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Chloroaniline | U | ug/l | 10 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachlorobutadiene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGWDUP100799 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED | 08-OCT-99 15:19 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Methylnaphthalene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Chloronaphthalene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Nitroaniline | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Dimethyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Acenaphthylene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 3-Nitroaniline | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Acenaphthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Dibenzofuran | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Nitrophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Diethyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Fluorene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Nitroaniline | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Pentachlorophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Phenanthrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Anthracene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Carbazole | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Di-n-butyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Fluoranthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Pyrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Butylbenzyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(a)anthracene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Chrysene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Di-n-octyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(a)pyrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Extraction Information: | | | | 14-OCT-99 | | 99-137-66 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 7 | ug/l | J | 17.32 |
| UNKNOWN | 8 | ug/l | J | 17.61 |
| UNKNOWN | 4 | ug/l | J | 17.76 |
| UNKNOWN | 6 | ug/l | J | 18.14 |
| UNKNOWN | 4 | ug/l | J | 18.61 |
| UNKNOWN | 5 | ug/l | J | 19.55 |
| UNKNOWN | 5 | ug/l | J | 20.7 |
| UNKNOWN | 9 | ug/l | J | 21.57 |
| UNKNOWN | 4 | ug/l | J | 21.91 |
| UNKNOWN | 13 | ug/l | J | 22.24 |
| UNKNOWN | 4 | ug/l | J | 23.83 |
| UNKNOWN | 5 | ug/l | J | 34.25 |
| UNKNOWN | 5 | ug/l | J | 38.56 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 58 | % | 98-051-9419 |
| 2-Fluorophenol | 39 | % | 98-051-9419 |
| Phenol-d5 | 29 | % | 98-051-9419 |
| 2,4,6-Tribromophenol | 72 | % | 98-051-9419 |
| Nitrobenzene-d5 | 60 | % | 98-051-9419 |
| 2-Fluorobiphenyl | 58 | % | 98-051-9419 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ABORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | FRIEND LABORATROY, INC. |
| ORIGIN : | 95-045-90-25 |
| DESCRIPTION : | TRIP BLANK |
| SAMPLED ON : | 07-OCT-99 00:00 by LAB |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| halysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| urrogate Recovery: | | | | | | |
| ibromofluoromethane | 105 | % | | | | 99-158-9446 |
| oluene-d8 | 99 | % | | | | 99-158-9446 |
| -Bromofluorobenzene | 104 | % | | | | 99-158-9446 |

| ibrary Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



C NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

| | | | |
|---|---|---|---|
| EY: ND or U | = None Detected | < = less than | ug/L = micrograms per liter (equivalent to parts per billion) |
| mg/L | = milligrams per liter (equivalent to parts per million) | | mg/kg = milligrams per kilogram (equivalent to parts per million) |
| B | = analyte was detected in the method or trip blank | | J = result estimated below the quantitation limit |

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tagan

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39649-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9419.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 13

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 17.32 | 7 | J |
| 2. | | 17.61 | 8 | |
| 3. | | 17.76 | 4 | |
| 4. | | 18.14 | 6 | |
| 5. | | 18.61 | 4 | |
| 6. | | 19.55 | 5 | |
| 7. | | 20.76 | 5 | |
| 8. | | 21.57 | 9 | |
| 9. | | 21.91 | 4 | |
| 10. | | 22.24 | 13 | |
| 11. | | 23.83 | 4 | |
| 12. | | 34.25 | 5 | |
| 13. | | 38.56 | 5 | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
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| 30. | | | | |

FORM I-CLP-SV-TIC

R13475 dm
10/19/99

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 93.65 | % | | 07-OCT-99 | CLP 3.0 | 97-070-157 |
| Aluminum | 3600 | mg/kg | 7.64 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | 5.63 | mg/kg | 5.10 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 61 | mg/kg | 1.53 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | U | mg/kg | 0.204 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5100 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 37600 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 6.68 | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 1.95 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 15.2 | mg/kg | 1.73 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 8970 | mg/kg | 4.08 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 6.24 | mg/kg | 4.21 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 19000 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 275 | mg/kg | 0.510 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.018 | mg/kg | 0.0100 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 7.95 | mg/kg | 1.22 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 554 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.14 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 99.7 | mg/kg | 20.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |

Report reissued to add PCBs and Pesticides. Amended report



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 93.65 | % | | 07-OCT-99 | CLP 3.0 | 97-070-157 |
| Aluminum | 3600 | mg/kg | 7.64 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | 5.63 | mg/kg | 5.10 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 61 | mg/kg | 1.53 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | U | mg/kg | 0.204 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5100 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 37600 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 6.68 | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 1.95 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 15.2 | mg/kg | 1.73 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 8970 | mg/kg | 4.08 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 6.24 | mg/kg | 4.21 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 19000 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 275 | mg/kg | 0.510 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.018 | mg/kg | 0.0100 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 7.95 | mg/kg | 1.22 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 554 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.14 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 99.7 | mg/kg | 20.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |

Report reissued to add PCBs and Pesticides. Amended report



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 93.65 | % | | 07-OCT-99 | CLP 3.0 | 97-070-157 |
| Aluminum | 3600 | mg/kg | 7.64 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | 5.63 | mg/kg | 5.10 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/kg | 12.2 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Barium | 61 | mg/kg | 1.53 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Beryllium | U | mg/kg | 0.204 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/kg | 0.5100 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 37600 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 6.68 | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Cobalt | 1.95 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 15.2 | mg/kg | 1.73 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 8970 | mg/kg | 4.08 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 6.24 | mg/kg | 4.21 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 19000 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 275 | mg/kg | 0.510 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | 0.018 | mg/kg | 0.0100 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 7.95 | mg/kg | 1.22 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 554 | mg/kg | 51.0 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/kg | 7.14 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Silver | U | mg/kg | 0.957 | 08-OCT-99 | EPA 6010 | 99-178-07 |
| Sodium | 99.7 | mg/kg | 20.4 | 05-OCT-99 | EPA 6010 | 99-178-05 |

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QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.63 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 6.55 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 39.5 | mg/kg | 2.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Vinyl chloride | U | ug/kg | 2 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromomethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Acetone | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon disulfide | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methylene chloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,1-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon tetrachloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Benzene | U | ug/kg | 0.7 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Trichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloropropane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromodichloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Toluene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Tetrachloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 2-Hexanone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Dibromochloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chlorobenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Ethylbenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| p-Xylene/m-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| o-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Styrene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

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QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

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DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

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| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
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| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.63 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 6.55 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 39.5 | mg/kg | 2.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Vinyl chloride | U | ug/kg | 2 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromomethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Acetone | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon disulfide | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methylene chloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,1-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon tetrachloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Benzene | U | ug/kg | 0.7 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Trichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloropropane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromodichloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Toluene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Tetrachloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 2-Hexanone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Dibromochloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chlorobenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Ethylbenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| p-Xylene/m-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| o-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Styrene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

Report reissued to add PCBs and Pesticides. Amended report



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

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| DESCRIPTION | GRAB |
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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.63 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Vanadium | 6.55 | mg/kg | 1.02 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 39.5 | mg/kg | 2.04 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Vinyl chloride | U | ug/kg | 2 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromomethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Acetone | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon disulfide | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methylene chloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,2-Dichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 26 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chloroform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,1-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Carbon tetrachloride | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Benzene | U | ug/kg | 0.7 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Trichloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,2-Dichloropropane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Bromodichloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| cis-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Methyl isobutyl ketone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Toluene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| trans-1,3-Dichloropropene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2-Trichloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Tetrachloroethene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 2-Hexanone | U | ug/kg | 11 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Dibromochloromethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Chlorobenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Ethylbenzene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| p-Xylene/m-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| o-Xylene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| Styrene | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

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| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 5.7 | ug/kg | J | 19.95 |
| UNKNOWN | 5.8 | ug/kg | J | 20.85 |
| UNKNOWN | 20 | ug/kg | J | 21.96 |
| UNKNOWN | 15 | ug/kg | J | 22.12 |
| UNKNOWN | 26 | ug/kg | J | 22.41 |
| UNKNOWN | 75 | ug/kg | J | 22.72 |
| UNKNOWN | 37 | ug/kg | J | 22.8 |
| UNKNOWN | 66 | ug/kg | J | 23.1 |
| UNKNOWN | 150 | ug/kg | J | 23.27 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 102 | % | | | | 99-157-8434 |
| Toluene-d8 | 100 | % | | | | 99-157-8434 |
| 4-Bromofluorobenzene | 105 | % | | | | 99-157-8434 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| beta-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| delta-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Heptachlor | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Aldrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan I | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDE | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Dieldrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan II | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDD | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endrin aldehyde | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDT | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Methoxychlor | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Chlordane | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |

Report reissued to add PCBs and Pesticides. Amended report



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID :L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 5.7 | ug/kg | J | 19.95 |
| UNKNOWN | 5.8 | ug/kg | J | 20.85 |
| UNKNOWN | 20 | ug/kg | J | 21.96 |
| UNKNOWN | 15 | ug/kg | J | 22.12 |
| UNKNOWN | 26 | ug/kg | J | 22.41 |
| UNKNOWN | 75 | ug/kg | J | 22.72 |
| UNKNOWN | 37 | ug/kg | J | 22.8 |
| UNKNOWN | 66 | ug/kg | J | 23.1 |
| UNKNOWN | 150 | ug/kg | J | 23.27 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 102 | % | | | | 99-157-8434 |
| Toluene-d8 | 100 | % | | | | 99-157-8434 |
| 4-Bromofluorobenzene | 105 | % | | | | 99-157-8434 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| beta-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| delta-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Heptachlor | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Aldrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan I | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDE | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Dieldrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan II | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDD | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endrin aldehyde | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDT | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Methoxychlor | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Chlordane | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |

Report reissued to add PCBs and Pesticides. Amended report



QC_____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 5 | 05-OCT-99 | EPA 8260 | 99-157-8434 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
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| UNKNOWN | 5.7 | ug/kg | J | 19.95 |
| UNKNOWN | 5.8 | ug/kg | J | 20.85 |
| UNKNOWN | 20 | ug/kg | J | 21.96 |
| UNKNOWN | 15 | ug/kg | J | 22.12 |
| UNKNOWN | 26 | ug/kg | J | 22.41 |
| UNKNOWN | 75 | ug/kg | J | 22.72 |
| UNKNOWN | 37 | ug/kg | J | 22.8 |
| UNKNOWN | 66 | ug/kg | J | 23.1 |
| UNKNOWN | 150 | ug/kg | J | 23.27 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 102 | % | | | | 99-157-8434 |
| Toluene-d8 | 100 | % | | | | 99-157-8434 |
| 4-Bromofluorobenzene | 105 | % | | | | 99-157-8434 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| beta-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| delta-BHC | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Heptachlor | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Aldrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan I | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDE | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Dieldrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endrin | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan II | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDD | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endrin aldehyde | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| 4,4'-DDT | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Methoxychlor | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Chlordane | U | mg/kg | 0.005 | 19-OCT-99 | EPA 8081 | 99-127-8138 |

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID : L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Toxaphene | U | mg/kg | 0.05 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 20 | % | | | | 99-127-8138 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1221 | U | mg/kg | 0.02 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1232 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1242 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1248 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1254 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1260 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 20 | % | | | | 99-127-8138 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,3-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,4-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroisopropylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachloroethane | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Nitrobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Isophorone | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitrophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dimethylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Naphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloroaniline | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobutadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloro-3-methylphenol | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

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Approved by: John A. Kent
Lab Director

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| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Toxaphene | U | mg/kg | 0.05 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 20 | % | | | | 99-127-8138 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1221 | U | mg/kg | 0.02 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1232 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1242 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1248 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1254 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1260 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 20 | % | | | | 99-127-8138 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,3-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,4-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroisopropylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachloroethane | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Nitrobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Isophorone | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitrophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dimethylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Naphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloroaniline | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobutadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloro-3-methylphenol | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

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Approved by: _____ Lab Director

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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Toxaphene | U | mg/kg | 0.05 | 19-OCT-99 | EPA 8081 | 99-127-8138 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 20 | % | | | | 99-127-8138 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1221 | U | mg/kg | 0.02 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1232 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1242 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1248 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1254 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| PCB 1260 | U | mg/kg | 0.01 | 19-OCT-99 | EPA 8082 | 99-127-8138 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 20 | % | | | | 99-127-8138 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,3-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,4-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2-Dichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroisopropylether) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachloroethane | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Nitrobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Isophorone | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitrophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dimethylphenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Naphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloroaniline | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobutadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chloro-3-methylphenol | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 23-NOV-1999

LAB SAMPLE ID :L39290-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | S-ALFG9092999 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 29-SEP-99 14:00 by CLIENT |
| DATE RECEIVED | 30-SEP-99 13:51 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2-Methylnaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorocyclopentadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,6-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,5-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chloronaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dimethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,6-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzofuran | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Diethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluorene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chlorophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodiphenylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Bromophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pentachlorophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenanthrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Carbazole | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-butyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Butylbenzyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3,3-Dichlorobenzidine | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Chrysene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-octyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(b)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(k)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzo(a,h)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(g,h,i)perylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

Report reissued to add PCBs and Pesticides. Amended report



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

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| Hexachlorocyclopentadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,6-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,5-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chloronaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dimethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,6-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzofuran | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Diethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluorene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chlorophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodiphenylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Bromophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pentachlorophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenanthrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Carbazole | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-butyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Butylbenzyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3,3-Dichlorobenzidine | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Chrysene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-octyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(b)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(k)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzo(a,h)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(g,h,i)perylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |

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|---|---|---|---|---|---|---|
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| Hexachlorocyclopentadiene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,6-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4,5-Trichlorophenol | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Chloronaphthalene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dimethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthylene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,6-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Acenaphthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Dibenzofuran | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2,4-Dinitrotoluene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Diethyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluorene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Chlorophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Nitroaniline | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| N-Nitrosodiphenylamine | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 4-Bromophenylphenylether | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Hexachlorobenzene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pentachlorophenol | U | ug/kg | 890 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Phenanthrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Carbazole | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-butyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Butylbenzyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)anthracene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| 3,3-Dichlorobenzidine | U | ug/kg | 450 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Chrysene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Di-n-octyl phthalate | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(b)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(k)fluoranthene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Benzo(a)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 220 | 06-OCT-99 | EPA 8270 | 98-051-9330 |
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| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 05-OCT-99 | | 99-137-58 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | |
|---|---|---|---|
| Surrogate Recovery: | | | |
| Terphenyl-d14 | 79 | % | 98-051-9330 |
| 2-Fluorophenol | 51 | % | 98-051-9330 |
| Phenol-d5 | 56 | % | 98-051-9330 |
| 2,4,6-Tribromophenol | 66 | % | 98-051-9330 |
| Nitrobenzene-d5 | 58 | % | 98-051-9330 |
| 2-Fluorobiphenyl | 62 | % | 98-051-9330 |

Analysis Comment: Results Calculated on a dry weight basis.

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| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Terphenyl-d14 | 79 | % | | | | 98-051-9330 |
| 2-Fluorophenol | 51 | % | | | | 98-051-9330 |
| Phenol-d5 | 56 | % | | | | 98-051-9330 |
| 2,4,6-Tribromophenol | 66 | % | | | | 98-051-9330 |
| Nitrobenzene-d5 | 58 | % | | | | 98-051-9330 |
| 2-Fluorobiphenyl | 62 | % | | | | 98-051-9330 |

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| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Terphenyl-d14 | 79 | % | | | | 98-051-9330 |
| 2-Fluorophenol | 51 | % | | | | 98-051-9330 |
| Phenol-d5 | 56 | % | | | | 98-051-9330 |
| 2,4,6-Tribromophenol | 66 | % | | | | 98-051-9330 |
| Nitrobenzene-d5 | 58 | % | | | | 98-051-9330 |
| 2-Fluorobiphenyl | 62 | % | | | | 98-051-9330 |

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get back on project schedule for this # - QC pkg!

PESTICIDES; EPA 608 and SW 846 - ~~8080~~ 8081

See SHPS

Company: Fagan

Date Sampled: _____ Reference: 99-127

my 1/8

| Analytes ~~(uG/L)~~ | FL Number L39290-1 | | | | | |
|---|---|---|---|---|---|---|
| ALPHA - BHC | NDLo.005 | | | | | |
| BETA - BHC | | | | | | |
| LINDANE | | | | | | |
| DELTA - BHC | | | | | | |
| HEPTACHLOR | | | | | | |
| ALDRIN | | | | | | |
| HEPT. EPOXIDE | | | | | | |
| ENDOSULFAN I | | | | | | |
| 4,4' - DDE | | | | | | |
| DIELDRIN | | | | | | |
| ENDRIN | | | | | | |
| ENDOSULFAN II | | | | | | |
| 4,4' - DDD | | | | | | |
| ENDRIN ALDEH. | | | | | | |
| ENDO. SULF. | | | | | | |
| 4,4' - DDT | | | | | | |
| METHOXY CH. | | | | | | |
| CHLORDANE | | | | | | |
| TOXAPHENE | NDLo.05 | | | | | |

Percent Surrogate Recovery

| | | | | | | |
|---|---|---|---|---|---|---|
| TCMX | - | | | | | |
| DCB | 20% | | | | | |
| Extraction Date | 10/12/99 | | | | | |
| Analysis Date | 10/19/99 | | | | | |
| File Number | 9138F | | | | | |

Analyst: _____ Date: 11/23/99

Supervisor: _____ Date: 11/23/99

Pest results calc. on dry wt. basis

Company: Fagan

Sample Sampled: Date Recieved:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FL number | L39290-1 | | | | | | |
| Extraction Date | 10/12/99 | | | | | | |
| Amount extracted | 11.912g | | | | | | |
| Total Solids | 93.65 | | | | | | |
| Aqueous Volume | / | | | | | | |
| PCB 1016 | ~~NDCL~~ 0.01 | | | | | | |
| PCB 1221 | NDCL-02 | | | | | | |
| PCB 1232 | NDCL-01 | | | | | | |
| PCB 1242 | | | | | | | |
| PCB 1248 | | | | | | | |
| PCB 1254 | | | | | | | |
| PCB 1260 | | | | | | | |
| Surrogate % | | | | | | | |
| Tetrachlorobi. | 20% | | | | | | |
| 4,5,6 - TCMX | / | | | | | | |
| Notebook | 99-127 | | | | | | |
| File # | B138P | | | | | | |
| Date Analyzed | 10/19/99 | | | | | | |
| Units | mg/Kg | | | | | | |

Method: SW 846/8082 3510 or 3540 EPA 608

NYSDOH 313-4 Rinsates PCB'S IN AIR (NIOSH 5503)

Comments:

( / ) PCB results are calculated on a dry weight basis.

Analyst: Date Submitted: 11/23/99

Approved by: Date Approved: 11/23/99

# APPENDIX G

# GEOPROBE MACRO CORE GROUNDWATER LABORATORY RESULTS

## SITE INVESTIGATION REPORT
## AND
## REMEDIAL ACTION REPORT

## N Y S D E C
## 1996 CLEAN WATER / CLEAN AIR BOND ACT
## ENVIRONMENTAL RESTORATION PROJECTS
## T I T L E 5

## MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
## ENVIRONMENTAL RESTORATION PROJECT

## FOR THE
## FORMER AMERICAN LAFRANCE SITE
## 100 LAFRANCE STREET
## ELMIRA, NEW YORK

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 21, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

Sample Site: ALF.
P.O. # 97150, 092199

PROJECT NO. / NAME
American LaFrance
97150

COPY TO:
ADDRESS:

638897

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER |
|---|---|---|---|---|
| W-ALFGW109 2199 | water | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | Full TCL per Contract | LAB USE ONLY<br>-1 |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER: [signature] | 9-21-99 1530 | Stacey Mathews | 9/21/99 3:30 | |
| | | | | SUSPECTED CONTAMINATION LEVEL<br>NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semi-Vol.

Fraction/Parameter 8081/8082

SDG/Project Fagan/ALF

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L38897-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 9/22/99 | 9:20 | [illegible] | 9/22/99 | | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

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LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8270

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L38897-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M. Smith | 9/24/99 | 900 | Brenda Colbaugh | 9/24/99 | 9:00 | |
| 1 | | | | | | | |
| 2 | Brenda Colbaugh | 9/24/99 | 10:30 | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Metals

SDG/Project Fagan/ALF

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L38897-1 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lonel Jones | 9/23/99 | 7:54 | [illegible] | 9/23/99 | 7:54 | |
| 1 | [illegible] | 9/24/99 | 4:00 | Lonel Jones | 9/24/99 | 4:00 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 1.64 | mg/l | 0.075 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Antimony | U | mg/l | 0.050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Arsenic | 0.004 | mg/l | 0.002 | 30-SEP-99 | EPA 7062 | 97-198-28 |
| Barium | 0.266 | mg/l | 0.016 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Beryllium | U | mg/l | 0.002 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cadmium | U | mg/l | 0.0050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Calcium | 258 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Chromium | 0.02 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cobalt | 0.011 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Copper | 0.036 | mg/l | 0.017 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Iron | 6.31 | mg/l | 0.040 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Lead | 0.012 | mg/l | 0.005 | 30-SEP-99 | EPA 7421 | 98-194-39 |
| Magnesium | 44.2 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Manganese | 3.71 | mg/l | 0.005 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Mercury | U | mg/l | 0.0002 | 29-SEP-99 | EPA 7470 | 98-126-44 |
| Nickel | 0.031 | mg/l | 0.012 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Potassium | 5.47 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Sodium | 68.6 | mg/l | 0.200 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Thallium | U | mg/l | 0.001 | 30-SEP-99 | EPA 7841 | 98-187-49 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.012 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Zinc | 0.095 | mg/l | 0.020 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| beta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| delta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Heptachlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Aldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Heptachlor epoxide | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endosulfan I | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| 4,4'-DDE | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Dieldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endosulfan II | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| 4,4'-DDD | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endrin aldehyde | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Endosulfan sulfate | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| 4,4'-DDT | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Methoxychlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Chlordane | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Toxaphene | U | ug/l | 0.5 | 06-OCT-99 | EPA 8081 | 99-127-7948 |
| Extraction Information: | | | | 22-SEP-99 | | 99-154-44 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 56 | % | | | | 99-127-7948 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1221 | U | ug/l | 0.2 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1232 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1242 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1248 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1254 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |
| PCB 1260 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7948 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97150 |
| ORIGIN : | W-ALFGW1092199 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED : | 21-SEP-99 15:30 |
| P.O. NO. : | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 22-SEP-99 | | 99-154-44 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 56 | % | | | | 99-127-7948 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Phenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Chlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,3-Dichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,4-Dichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,2-Dichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Bis(2-chloroisopropylether) | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Methylphenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachloroethane | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| N-Nitrosodi-N-propylamine | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Nitrobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Isophorone | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Nitrophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dimethylphenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Bis(2-chloroethoxymethane) | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dichlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 1,2,4-Trichlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Naphthalene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Chloroaniline | U | ug/l | 11 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachlorobutadiene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Chloro-3-methylphenol | U | ug/l | 11 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Methylnaphthalene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachlorocyclopentadiene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4,6-Trichlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4,5-Trichlorophenol | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Chloronaphthalene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Nitroaniline | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Dimethyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Acenaphthylene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,6-Dinitrotoluene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 3-Nitroaniline | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Acenaphthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dinitrophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Dibenzofuran | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2,4-Dinitrotoluene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Nitrophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Diethyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Fluorene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Chlorophenylphenylether | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Nitroaniline | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| N-Nitrosodiphenylamine | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 4-Bromophenylphenylether | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Hexachlorobenzene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Pentachlorophenol | U | ug/l | 22 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Phenanthrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Anthracene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Carbazole | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Di-n-butyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Fluoranthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Pyrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Butylbenzyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(a)anthracene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| 3,3-Dichlorobenzidine | U | ug/l | 11 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Chrysene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Bis-2-ethylhexyl phthalate | 47 | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Di-n-octyl phthalate | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(b)fluoranthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(k)fluoranthene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(a)pyrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Dibenzo(a,h)anthracene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Benzo(g,h,i)perylene | U | ug/l | 6 | 28-SEP-99 | EPA 8270 | 98-051-9279 |
| Extraction Information: | | | | 24-SEP-99 | | 99-137-54 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



QC Rl NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John Klark
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38897-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97150 |
| ORIGIN | W-ALFGW1092199 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 21-SEP-99 00:00 by CLIENT |
| DATE RECEIVED | 21-SEP-99 15:30 |
| P.O. NO. | 97150.092199 |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 14 | ug/l | J | | | | |
| UNKNOWN | 14 | ug/l | J | | | | |
| UNKNOWN | 19 | ug/l | J | | | | |
| UNKNOWN | 25 | ug/l | J | | | | |
| UNKNOWN | 45 | ug/l | J | | | | |
| UNKNOWN | 78 | ug/l | J | | | | |
| UNKNOWN | 32 | ug/l | J | | | | |
| UNKNOWN | 17 | ug/l | J | | | | |
| UNKNOWN | 18 | ug/l | J | | | | |
| UNKNOWN | 26 | ug/l | J | | | | |
| UNKNOWN | 12 | ug/l | J | | | | |
| UNKNOWN | 40 | ug/l | J | | | | |
| UNKNOWN | 63 | ug/l | J | | | | |
| UNKNOWN | 26 | ug/l | J | | | | |
| UNKNOWN | 44 | ug/l | J | | | | |
| UNKNOWN | 33 | ug/l | J | | | | |
| UNKNOWN | 46 | ug/l | J | | | | |
| UNKNOWN | 23 | ug/l | J | | | | |
| UNKNOWN | 38 | ug/l | J | | | | |
| UNKNOWN | 24 | ug/l | J | | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 39 | | % | | | | 98-051-9279 |
| 2-Fluorophenol | 31 | | % | | | | 98-051-9279 |
| Phenol-d5 | 27 | | % | | | | 98-051-9279 |
| 2,4,6-Tribromophenol | 72 | | % | | | | 98-051-9279 |
| Nitrobenzene-d5 | 47 | | % | | | | 98-051-9279 |
| 2-Fluorobiphenyl | 44 | | % | | | | 98-051-9279 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L38897-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9279.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 9.46 ~~12.57~~ | 14 | J |
| 2. | | 9.92 | 14 | |
| 3. | | 10.15 | 19 | |
| 4. | | 10.35 | 25 | |
| 5. | | 10.92 | 45 | |
| 6. | | 11.07 | 78 | |
| 7. | | 11.48 | 32 | |
| 8. | | 11.66 | 17 | |
| 9. | | 11.71 | 18 | |
| 10. | | 11.76 | 26 | |
| 11. | | 11.91 | 12 | |
| 12. | | 12.18 | 40 | |
| 13. | | 12.38 | 63 | |
| 14. | | 12.68 | 26 | |
| 15. | | 13.01 | 44 | |
| 16. | | 13.29 | 33 | |
| 17. | | 13.62 | 46 | |
| 18. | | 13.90 | 23 | |
| 19. | | 34.44 | 38 | |
| 20. | | 38.67 | 24 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

10/4/99
Stacey

FORM I-CLP-SV-TIC

R13041

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 22, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: ALF 97-150
American La France

P.O. #

CLIENT: Eio Tietjen/Fagan Engineers
ADDRESS: 113 E. Chemung Pl.
Elmira NY 14904
PHONE: 734-2465 FAX: 734-2169

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME
97-150

COPY TO:
ADDRESS: FAGAN Engineers

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / REQUESTED | SAMPLE NUMBER / LAB USE ONLY |
|---|---|---|---|---|
| Sept. 22, 1999 11:00 AM | Ground Water WTALFGW2092299 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | ~~8021~~ / ~~8021~~ / ~~8270~~ / ~~TAL Metals~~ 2ea 2ea 2ea; ~~8260~~ 2ea; Fuel TCL per contract | 6288-L38952 -1 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | ~~8021~~ | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | ~~8270~~ | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 9.22.99 4:30 pm | Stacey Matthews | 9-22-99 4:20 | |
| | | | | SUSPECTED CONTAMINATION LEVEL |
| | | | | NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department: Vol

SDG/Project: Fagan/ALF

Fraction/Parameter: 8260

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 138952-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Grood | 9/23/99 | 10:27 | Scott J. Pronyshak | 9-23-99 | 10:27 | |
| 1 | Scott J. Pronyshak | 9-27-99 | 9:35 | Sharmon Mermott | 9-27-99 | 9:35 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

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LABORATORY
INC

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Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8081/8082

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 1389521 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon Bennett | 9/23/99 | 1300 | B Colbaw Jr | 9/23/99 | 1300 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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# Laboratory Chronicle

**FLI**
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LABORATORY
INC

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Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8270

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 638952-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 9/24/99 | 900 | Brenda Colbaugh | 9/24/99 | 9:10 | |
| 1 | Brenda Colbaugh | 9/24/99 | 10:30 | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semi-Vol

SDG/Project Fagan/ALF

Fraction/Parameter 8082

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 138952-1 | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Lewis | 9/23/99 | 10:00 | Brenda Colbaugh | 9/23/99 | | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGW2092299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED : | 22-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 0.858 | mg/l | 0.075 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Antimony | 0.056 | mg/l | 0.050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Arsenic | 0.003 | mg/l | 0.002 | 30-SEP-99 | EPA 7062 | 97-198-28 |
| Barium | 0.329 | mg/l | 0.016 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Beryllium | U | mg/l | 0.002 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cadmium | U | mg/l | 0.0050 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Calcium | 174 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Chromium | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Cobalt | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Copper | 0.018 | mg/l | 0.017 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Iron | 5.89 | mg/l | 0.040 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Lead | 0.22 | mg/l | 0.005 | 30-SEP-99 | EPA 7421 | 98-194-39 |
| Magnesium | 38.9 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Manganese | 3.53 | mg/l | 0.005 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Mercury | U | mg/l | 0.0002 | 29-SEP-99 | EPA 7470 | 98-126-44 |
| Nickel | 0.018 | mg/l | 0.012 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Potassium | 5.75 | mg/l | 0.500 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Sodium | 73.3 | mg/l | 0.200 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Thallium | U | mg/l | 0.001 | 30-SEP-99 | EPA 7841 | 98-187-49 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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TELEPHONE (607) 565-8500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.012 | mg/l | 0.010 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| Zinc | 0.054 | mg/l | 0.020 | 29-SEP-99 | EPA 6010 | 99-178-03 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Vinyl chloride | U | ug/l | 2 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Chloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Bromomethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1-Dichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Acetone | 44 | ug/l | 25 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Carbon disulfide | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Methylene chloride | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1-Dichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Chloroform | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Carbon tetrachloride | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Benzene | U | ug/l | 0.7 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,2-Dichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Trichloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,2-Dichloropropane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Bromodichloromethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Methyl isobutyl ketone | U | ug/l | 10 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Toluene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Tetrachloroethene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 2-Hexanone | U | ug/l | 10 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Dibromochloromethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Chlorobenzene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Ethylbenzene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| o-Xylene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Styrene | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| Bromoform | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 23-SEP-99 | EPA 8260 | 99-158-9192 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 9 | ug/l | J | 15.06 |
| UNKNOWN | 12 | ug/l | J | 19.05 |
| UNKNOWN | 9 | ug/l | J | 22.55 |
| UNKNOWN | 8 | ug/l | J | 23.48 |
| UNKNOWN | 12 | ug/l | J | 24.05 |
| UNKNOWN | 38 | ug/l | J | 24.23 |
| UNKNOWN | 11 | ug/l | J | 24.39 |
| UNKNOWN | 21 | ug/l | J | 24.54 |
| UNKNOWN | 12 | ug/l | J | 24.66 |
| LBS#10 | 14 | ug/l | J | 25 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 98 | % | | | | 99-158-9192 |
| Toluene-d8 | 97 | % | | | | 99-158-9192 |
| 4-Bromofluorobenzene | 97 | % | | | | 99-158-9192 |

| EPA 8081 | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| beta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| delta-BHC | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Heptachlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Aldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Heptachlor epoxide | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endosulfan I | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| 4,4'-DDE | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Dieldrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endrin | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endosulfan II | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| 4,4'-DDD | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endrin aldehyde | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Endosulfan sulfate | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| 4,4'-DDT | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Methoxychlor | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Chlordane | U | ug/l | 0.05 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Toxaphene | U | ug/l | 0.5 | 06-OCT-99 | EPA 8081 | 99-127-7951 |
| Extraction Information: | | | | 23-SEP-99 | | 99-154-46 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 55 | % | | | | 99-127-7951 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1221 | U | ug/l | 0.2 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1232 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1242 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1248 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1254 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| PCB 1260 | U | ug/l | 0.1 | 06-OCT-99 | EPA 8082 | 99-127-7951 |
| Extraction Information: | | | | 23-SEP-99 | | 99-154-46 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 55 | % | | | | 99-127-7951 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Phenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Chlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 1,3-Dichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 1,4-Dichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 1,2-Dichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Bis(2-chloroisopropylether) | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Methylphenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachloroethane | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| N-Nitrosodi-N-propylamine | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Nitrobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Isophorone | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Nitrophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dimethylphenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Bis(2-chloroethoxymethane) | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dichlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Naphthalene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Chloroaniline | U | ug/l | 50 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachlorobutadiene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Chloro-3-methylphenol | U | ug/l | 50 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Methylnaphthalene | 250 | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachlorocyclopentadiene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4,6-Trichlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4,5-Trichlorophenol | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Chloronaphthalene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Nitroaniline | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Dimethyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Acenaphthylene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,6-Dinitrotoluene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 3-Nitroaniline | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Acenaphthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dinitrophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Dibenzofuran | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2,4-Dinitrotoluene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Nitrophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Diethyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Fluorene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Chlorophenylphenylether | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Nitroaniline | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| N-Nitrosodiphenylamine | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 4-Bromophenylphenylether | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Hexachlorobenzene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Pentachlorophenol | U | ug/l | 100 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Phenanthrene | 160 | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Anthracene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Carbazole | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Di-n-butyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Fluoranthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Pyrene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Butylbenzyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(a)anthracene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| 3,3-Dichlorobenzidine | U | ug/l | 50 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Chrysene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Di-n-octyl phthalate | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(b)fluoranthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |



QC 4 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John O'Keefe
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGW2092299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED : | 22-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(a)pyrene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Dibenzo(a,h)anthracene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Benzo(g,h,i)perylene | U | ug/l | 25 | 01-OCT-99 | EPA 8270 | 98-051-9303 |
| Extraction Information: | | | | 24-SEP-99 | | 99-137-54 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| LBS#1 | 360 | ug/l | J | 6.23 |
| LBS#2 | 360 | ug/l | J | 7.82 |
| UNKNOWN | 670 | ug/l | J | 8.02 |
| UNKNOWN | 520 | ug/l | J | 8.69 |
| UNKNOWN | 460 | ug/l | J | 9.63 |
| UNKNOWN | 400 | ug/l | J | 9.85 |
| UNKNOWN | 630 | ug/l | J | 10.32 |
| UNKNOWN | 850 | ug/l | J | 11.06 |
| UNKNOWN | 520 | ug/l | J | 11.21 |
| UNKNOWN | 790 | ug/l | J | 11.62 |
| UNKNOWN | 1300 | ug/l | J | 11.82 |
| UNKNOWN | 360 | ug/l | J | 12.47 |
| UNKNOWN | 880 | ug/l | J | 13.41 |
| UNKNOWN | 370 | ug/l | J | 13.54 |
| UNKNOWN | 1200 | ug/l | J | 13.73 |
| UNKNOWN | 740 | ug/l | J | 14.07 |
| UNKNOWN | 380 | ug/l | J | 14.26 |
| UNKNOWN | 710 | ug/l | J | 14.42 |
| UNKNOWN | 340 | ug/l | J | 22.31 |
| UNKNOWN | 390 | ug/l | J | 26.18 |

| Surrogate Recovery: | | | | |
|---|---|---|---|---|
| Terphenyl-d14 | 131 | | % | 98-051-9303 |
| 2-Fluorophenol | 101 | | % | 98-051-9303 |
| Phenol-d5 | 78 | | % | 98-051-9303 |
| 2,4,6-Tribromophenol | 189 | D | % | 98-051-9303 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 07-OCT-1999

LAB SAMPLE ID : L38952-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGW2092299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 22-SEP-99 11:00 by CLIENT |
| DATE RECEIVED | 22-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| Nitrobenzene-d5 | 202 | D | % | | | | 98-051-9303 |
| 2-Fluorobiphenyl | 134 | D | % | | | | 98-051-9303 |

Analysis Comment: D-Diluted.



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L3895-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9192

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

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

Number TICs found: 10

R12864
9/27/99

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.06 | 9 | J |
| 2. | | 19.05 | 12 | |
| 3. | | 21.24 | 8 | |
| 4. | Unknown | 22.55 | 9 | J |
| 5. | | 23.48 | 8 | |
| 6. | | 24.05 | 12 | |
| 7. | | 24.23 | 38 | |
| 8. | | 24.39 | 11 | |
| 9. | | 24.54 | 21 | |
| 10. | | 24.66 | 12 | |
| 11. | | 25 | 14 | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

Fagan

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L38952-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9303.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

10/6/99
R13138
[illegible]

Number TICs found: 20

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 6.23 | 360 | J |
| 2. | | 7.82 | 360 | |
| 3. | | 8.02 | 670 | |
| 4. | | 8.69 | 520 | |
| 5. | | 9.63 | 460 | |
| 6. | | 9.85 | 400 | |
| 7. | | 10.32 | 630 | |
| 8. | | 11.06 | 850 | |
| 9. | | 11.21 | 520 | |
| 10. | | 11.62 | 790 | |
| 11. | | 11.82 | 1300 | |
| 12. | | 12.47 | 360 | |
| 13. | | 13.41 | 880 | |
| 14. | | 13.54 | 370 | |
| 15. | | 13.73 | 1200 | |
| 16. | | 14.07 | 740 | |
| 17. | | 14.26 | 380 | |
| 18. | | 14.42 | 710 | |
| 19. | | 22.31 | 340 | |
| 20. | | 26.18 | 390 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: SEPTEMBER 23, 1999**

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: FAGAN Engineers
ADDRESS: ED Tietjen
PHONE: 607-734 2165 FAX: 607-734 2169

INVOICE TO:
ADDRESS:

Sample Site: American La France

P.O. #

PROJECT NO. / NAME: 97150

COPY TO:
ADDRESS:

L39015

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 9-23 12:30pm | W ALF GW4 092399 12:30 pm | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Per Contract Full TCL | -1 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | -2 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 7:20 Am 9-24-99 | Shannon M Bennett | 8:15 9/24/99 | 1.3 temp as received |
| | | Lone Jones | 9/24/99 8:25 | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**

FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Volatiles

Fraction/Parameter 8260

SDG/Project Fagan/American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
| | L39015-2 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/27/99 | 940 | Scott J. Boryslak | 9-27-99 | 9:40 | |
| 1 | Scott J. Boryslak | 10-5-99 | 14:00 | Shannon M Bennett | 10-5-99 | 1400 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8270

SDG/Project Fagan/American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/29/99 | 1330 | [illegible] | 9/29/99 | 13:30 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
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LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8081 / 8082

SDG/Project Fagan/American La France

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 9/30/99 | 830 | [illegible] | 9/30/99 | 8:30 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

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Lab Department Metals

SDG/Project Fagan/American La France

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39015-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lord Jones | 9/24/99 | 4:05 | ~~Joe Burleigh~~ | ~~9/24/99~~ | ~~16:40~~ | |
| 1 | | | | Joe Burleigh | 9/24/99 | 4:05 | |
| 2 | Joe Burleigh | 9/30/99 | 16:45 | Shannon Bennett | 9/30/99 | 1645 | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | WALFGW4092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 08:25 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 0.406 | mg/l | 0.075 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Antimony | U | mg/l | 0.050 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Arsenic | U | mg/l | 0.002 | 30-SEP-99 | EPA 7062 | 97-198-28 |
| Barium | 0.235 | mg/l | 0.016 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Beryllium | U | mg/l | 0.002 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Cadmium | U | mg/l | 0.0050 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Calcium | 136 | mg/l | 0.500 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Chromium | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Cobalt | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Copper | U | mg/l | 0.017 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Iron | 2.75 | mg/l | 0.040 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Lead | 0.004 | mg/l | 0.001 | 05-OCT-99 | EPA 7421 | 98-194-42 |
| Magnesium | 26.5 | mg/l | 0.500 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Manganese | 1.68 | mg/l | 0.005 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Mercury | U | mg/l | 0.0002 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | U | mg/l | 0.012 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Potassium | 8.72 | mg/l | 0.500 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Sodium | 59.9 | mg/l | 0.200 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Thallium | U | mg/l | 0.001 | 11-OCT-99 | EPA 7841 | 98-187-53 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
mg/L = milligrams per liter (equivalent to parts per million)
B = analyte was detected in the method or trip blank
ug/L = micrograms per liter (equivalent to parts per billion)
mg/kg = milligrams per kilogram (equivalent to parts per million)
J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | WALFGW4092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| Zinc | U | mg/l | 0.020 | 01-OCT-99 | EPA 6010 | 99-178-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Vinyl chloride | U | ug/l | 2 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Chloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Bromomethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Acetone | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Carbon disulfide | 26 | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Methylene chloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Chloroform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Carbon tetrachloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Benzene | U | ug/l | 0.7 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,2-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Trichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,2-Dichloropropane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Bromodichloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Methyl isobutyl ketone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Toluene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Tetrachloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 2-Hexanone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Dibromochloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Chlorobenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Ethylbenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| o-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Styrene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| Bromoform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9236 |



QC RL NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | WALFGW4092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| UNKNOWN | 6 | ug/l | J | 24.51 | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100 | % | | | | 99-158-9236 |
| Toluene-d8 | 99 | % | | | | 99-158-9236 |
| 4-Bromofluorobenzene | 97 | % | | | | 99-158-9236 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| beta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| delta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Heptachlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Aldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Heptachlor epoxide | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endosulfan I | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| 4,4'-DDE | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Dieldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endosulfan II | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| 4,4'-DDD | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endrin aldehyde | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Endosulfan sulfate | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| 4,4'-DDT | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Methoxychlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Chlordane | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Toxaphene | U | ug/l | 0.5 | 07-OCT-99 | EPA 8081 | 99-127-7956 |
| Extraction Information: | | | | 30-SEP-99 | | 99-154-52 |



QC Rp NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID : L39015-1

Fagan Engineers
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| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | WALFGW4092399 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 08:25 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: Decachlorobiphenyl | 54 | % | | | | 99-127-7956 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1221 | U | ug/l | 0.2 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1232 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1242 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1248 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1254 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| PCB 1260 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7956 |
| Surrogate Recovery: Tetrachloro-m-xylene | 54 | % | | | | 99-127-7956 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Phenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Chlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Hexachloroethane | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Nitrobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Isophorone | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Nitrophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Naphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Chloroaniline | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Hexachlorobutadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Methylnaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |



QC lf NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE : 14-OCT-1999

LAB SAMPLE ID : L39015-1

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|---|---|
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| ORIGIN | WALFGW4092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Hexachlorocyclopentadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Chloronaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Dimethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Acenaphthylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 3-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Acenaphthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Dibenzofuran | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Nitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Diethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Fluorene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Hexachlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Pentachlorophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Phenanthrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Carbazole | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Di-n-butyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Butylbenzyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(a)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Chrysene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Di-n-octyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(a)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |
| Benzo(g,h,i)perylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9289 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID :L39015-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | WALFGW4092399 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 12:30 by CLIENT |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 29-SEP-99 | | 99-137-55 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 5 | ug/l | J | 15.6 |
| Unknown | 6 | ug/l | J | 17.3 |
| Unknown | 4 | ug/l | J | 17.59 |
| Unknown | 5 | ug/l | J | 18.7 |
| Unknown | 5 | ug/l | J | 18.76 |
| Unknown | 5 | ug/l | J | 21.12 |
| Unknown | 6 | ug/l | J | 21.28 |
| Unknown | 6 | ug/l | J | 22.05 |
| Unknown | 8 | ug/l | J | 22.16 |
| Unknown | 5 | ug/l | J | 22.5 |
| Unknown | 13 | ug/l | J | 23.83 |
| Unknown | 10 | ug/l | J | 24.72 |
| Unknown | 6 | ug/l | J | 25.16 |
| Unknown | 10 | ug/l | J | 26.02 |
| Unknown | 5 | ug/l | J | 26.37 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 70 | % | 98-051-9289 |
| 2-Fluorophenol | 38 | % | 98-051-9289 |
| Phenol-d5 | 25 | % | 98-051-9289 |
| 2,4,6-Tribromophenol | 80 | % | 98-051-9289 |
| Nitrobenzene-d5 | 60 | % | 98-051-9289 |
| 2-Fluorobiphenyl | 62 | % | 98-051-9289 |



QC RB NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John A. Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39015-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9289.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 15

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 15.60 | 5 | J |
| 2. | | 17.30 | 6 | |
| 3. | | 17.59 | 4 | |
| 4. | | 18.70 | 5 | |
| 5. | | 18.76 | 5 | |
| 6. | | 21.12 | 5 | |
| 7. | | 21.28 | 6 | |
| 8. | | 22.05 | 6 | |
| 9. | | 22.16 | 8 | |
| 10. | | 22.50 | 5 | |
| 11. | | 23.83 | 13 | |
| 12. | | 24.72 | 10 | |
| 13. | | 25.16 | 6 | |
| 14. | | 26.02 | 10 | |
| 15. | | 26.37 | 5 | |
| 16. | | | | |
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FORM I-CLP-SV-TIC

10/1/99

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39015-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: 0923(.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: 1

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/L

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 24.51 | 6 | J |
| 2. | | | | |
| 3. | | | | |
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID L39015-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | TRIP BLANK |
| DESCRIPTION | GRAB |
| SAMPLED ON | 23-SEP-99 00:00 by FLI/BB |
| DATE RECEIVED | 24-SEP-99 08:25 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Vinyl chloride | U | ug/l | 2 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Chloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Bromomethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Acetone | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Carbon disulfide | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Methylene chloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Chloroform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Carbon tetrachloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Benzene | U | ug/l | 0.7 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,2-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Trichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,2-Dichloropropane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Bromodichloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Methyl isobutyl ketone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Toluene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Tetrachloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 2-Hexanone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Dibromochloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Chlorobenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Ethylbenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| o-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Styrene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| Bromoform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9237 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected; < = less than; ug/L = micrograms per liter (equivalent to parts per billion); mg/L = milligrams per liter (equivalent to parts per million); mg/kg = milligrams per kilogram (equivalent to parts per million); B = analyte was detected in the method or trip blank; J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-OCT-1999

LAB SAMPLE ID :L39015-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | FRIEND LABORATORY, INC. |
| ORIGIN : | TRIP BLANK |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 23-SEP-99 00:00 by FLI/BB |
| DATE RECEIVED : | 24-SEP-99 08:25 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 97 | % | | | | 99-158-9237 |
| Toluene-d8 | 100 | % | | | | 99-158-9237 |
| 4-Bromofluorobenzene | 97 | % | | | | 99-158-9237 |



QC 04 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John A. Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L3 9015-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9237.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS: (µg/L or µg/Kg) _____ ug/m

Number TICs found: 0

R129666 9/29

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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FORM I-CLP-VOA-TIC

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-10

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9290.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 6

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 34.34 | 6 | J, B |
| 2. | | 34.43 | 6 | A |
| 3. | | 34.77 | 10 | A, B |
| 4. | | 36.99 | 6 | |
| 5. | | 37.07 | 8 | B |
| 6. | | 39.72 | 6 | |
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FORM I-CLP-SV-TIC

KM 10/1/99

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39061-10

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9233.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS: (µg/L or µg/Kg) _____

Number TICs found: 0

9/29/99
R129Lcu

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | ALFGW3092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Extraction Information: | | | | 29-SEP-99 | | 99-137-55 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 6 | ug/l | JB | 34.34 |
| Unknown | 6 | ug/l | JB | 34.43 |
| Unknown | 10 | ug/l | JB | 34.77 |
| Unknown | 6 | ug/l | J | 36.99 |
| Unknown | 8 | ug/l | JB | 37.07 |
| Unknown | 6 | ug/l | J | 39.72 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 81 | % | 98-051-9290 |
| 2-Fluorophenol | 34 | % | 98-051-9290 |
| Phenol-d5 | 23 | % | 98-051-9290 |
| 2,4,6-Tribromophenol | 84 | % | 98-051-9290 |
| Nitrobenzene-d5 | 57 | % | 98-051-9290 |
| 2-Fluorobiphenyl | 57 | % | 98-051-9290 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LA FRANCE 97-150 |
| ORIGIN | ALFGW3092499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Methylnaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Chloronaphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Dimethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Acenaphthylene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 3-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Acenaphthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Dibenzofuran | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Nitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Diethyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Fluorene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Nitroaniline | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Pentachlorophenol | U | ug/l | 20 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Phenanthrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Carbazole | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Di-n-butyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Butylbenzyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(a)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Chrysene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Di-n-octyl phthalate | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Benzo(a)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |



QC RP NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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| DATE RECEIVED | 24-SEP-99 16:20 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: Tetrachloro-m-xylene | 86 | % | | | | 99-127-7957 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1221 | U | ug/l | 0.2 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1232 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1242 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1248 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1254 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| PCB 1260 | U | ug/l | 0.1 | 07-OCT-99 | EPA 8082 | 99-127-7957 |
| Extraction Information: | | | | 30-SEP-99 | | 99-154-52 |
| Surrogate Recovery: Tetrachloro-m-xylene | 86 | % | | | | 99-127-7957 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Phenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Chlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachloroethane | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Nitrobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Isophorone | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2-Nitrophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Naphthalene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| 4-Chloroaniline | U | ug/l | 10 | 30-SEP-99 | EPA 8270 | 98-051-9290 |
| Hexachlorobutadiene | U | ug/l | 5 | 30-SEP-99 | EPA 8270 | 98-051-9290 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 28-OCT-1999

LAB SAMPLE ID : L39061-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LA FRANCE 97-150 |
| ORIGIN : | ALFGW3092499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 24-SEP-99 13:15 by CLIENT |
| DATE RECEIVED : | 24-SEP-99 16:20 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 101 | % | | | | 99-158-9233 |
| Toluene-d8 | 101 | % | | | | 99-158-9233 |
| 4-Bromofluorobenzene | 98 | % | | | | 99-158-9233 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| beta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| delta-BHC | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Heptachlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Aldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Heptachlor epoxide | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endosulfan I | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| 4,4'-DDE | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Dieldrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endrin | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endosulfan II | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| 4,4'-DDD | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endrin aldehyde | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Endosulfan sulfate | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| 4,4'-DDT | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Methoxychlor | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Chlordane | U | ug/l | 0.05 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Toxaphene | U | ug/l | 0.5 | 07-OCT-99 | EPA 8081 | 99-127-7957 |
| Extraction Information: | | | | 30-SEP-99 | | 99-154-52 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Zinc | 0.216 | mg/l | 0.020 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Vinyl chloride | U | ug/l | 2 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Chloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Bromomethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Acetone | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Carbon disulfide | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Methylene chloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Chloroform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Carbon tetrachloride | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Benzene | U | ug/l | 0.7 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,2-Dichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Trichloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,2-Dichloropropane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Bromodichloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Methyl isobutyl ketone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Toluene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Tetrachloroethene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 2-Hexanone | U | ug/l | 10 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Dibromochloromethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Chlorobenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Ethylbenzene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| o-Xylene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Styrene | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| Bromoform | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 28-SEP-99 | EPA 8260 | 99-158-9233 |



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|---|---|---|---|---|---|---|
| Aluminum | 4.89 | mg/l | 0.075 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Antimony | U | mg/l | 0.050 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Arsenic | U | mg/l | 0.002 | 07-OCT-99 | EPA 7062 | 97-198-29 |
| Barium | 0.192 | mg/l | 0.016 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Beryllium | U | mg/l | 0.002 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cadmium | U | mg/l | 0.0050 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Calcium | 93.5 | mg/l | 0.500 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Chromium | 0.023 | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Cobalt | U | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Copper | 0.034 | mg/l | 0.017 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Iron | 10.8 | mg/l | 0.040 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Lead | 0.032 | mg/l | 0.002 | 05-OCT-99 | EPA 7421 | 98-194-42 |
| Magnesium | 19.3 | mg/l | 0.500 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Manganese | 0.721 | mg/l | 0.005 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Mercury | U | mg/l | 0.0002 | 06-OCT-99 | EPA 7470 | 98-126-45 |
| Nickel | 0.012 | mg/l | 0.012 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Potassium | 4.19 | mg/l | 0.500 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Selenium | U | mg/l | 0.002 | 01-OCT-99 | EPA 7742 | 96-080-51 |
| Silver | U | mg/l | 0.010 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Sodium | 51.5 | mg/l | 0.200 | 05-OCT-99 | EPA 6010 | 99-178-05 |
| Thallium | U | mg/l | 0.001 | 11-OCT-99 | EPA 7841 | 98-187-53 |



QC W NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: American LA France

P.O. #

CLIENT: Fagan Engineers
ADDRESS: 113 E. Chemung Place
PHONE: Elmira NY FAX: 14904 607-734-2165

INVOICE TO:
ADDRESS:

PROJECT NO. / NAME: American La France 97-150

COPY TO:
ADDRESS:

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 9-24-99 1:15pm | W-ALFGW3092499 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per Contract | 639061-10 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER: [signature] | 9-24-99 4:30pm | Stacey Matthews | 9/24/99 4:20 | |
| | | | | |
| | | | | SUSPECTED CONTAMINATION LEVEL |

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: OCTOBER 4, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | $HNO_3$ pH <2 | $H_2SO_4$ pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: FWGN
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

Sample Site: ACF
P.O. # 97150

PROJECT NO. / NAME: ACE

COPY TO:
ADDRESS:

L39385

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| Oct 9, 1999 1:45pm | Shoulder B2 w-ALFBN100499 groundwater | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL PER contract | -1 |
| 10-4-99 11 AM | w-ALFCW1 B1 100499 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 8260 (TCL) *resample* | -2 |
| 10-4-99 2:45pm | w-ALFFB100499 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -3 |
| | T.B. | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 95-045-29-25 | -4 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-4-99 3 pm | Stacey Matthews | 10/4/99 3:40 | temp as rec. 14.5 |
| | | Lisa Howard | 6:00 10/4/99 | |
| | | | | SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department VOC

Fraction/Parameter 8260

SDG/Project Fagan / American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-2 | | | | |
| | L39385-3 | | | | |
| | L39385-4 | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon Blemmett | 10/5/99 | 1355 | Scott J. Borynchuk | 10-5-99 | 13:55 | |
| 1 | Scott J. Borynchuk | 10-11-99 | 13:45 | Doris Jones | 10/11/99 | 13:55 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

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Lab Department Semi-Vol

Fraction/Parameter 8081/8082

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-3 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Toni Jones | 10/7/99 | 12:00 | R Colbaugh | 10/7/99 | 12:00 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

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Lab Department Semi-Vol

Fraction/Parameter 8270

SDG/Project Fagan/American Safrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-3 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Toni James | 10/5/99 | 8:30 | B Colbaugh | 10/5/99 | 8:30 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
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LABORATORY
INC

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Lab Department Metals

SDG/Project Fagan/American LaFrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39385-1 | | | | |
| | L39385-3 | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon McBennett | 10/5/99 | 1107 | R E Burleigh | 10/5/99 | 11:07 | |
| 1 | [illegible] | 10/6/99 | 2:51 | Shannon McBennett | 10/6/99 | 2:51 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 1.21 | mg/l | 0.075 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/l | 0.050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | 0.003 | mg/l | 0.002 | 14-OCT-99 | EPA 7062 | 97-198-30 |
| Barium | 0.128 | mg/l | 0.016 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/l | 0.002 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/l | 0.0050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 153 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | U | mg/l | 0.017 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 4.85 | mg/l | 0.040 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 0.003 | mg/l | 0.001 | 13-OCT-99 | EPA 7421 | 98-194-46 |
| Magnesium | 28.2 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 1.27 | mg/l | 0.005 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.0004 | mg/l | 0.0002 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | U | mg/l | 0.012 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 5.69 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/l | 0.002 | 08-OCT-99 | EPA 7742 | 96-080-52 |
| Silver | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Sodium | 66.7 | mg/l | 0.200 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Thallium | U | mg/l | 0.001 | 14-OCT-99 | EPA 7841 | 98-187-56 |



QC 84 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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FLI
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 0.037 | mg/l | 0.020 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Acetone | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9346 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID L39385-1

Fagan Engineers
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113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 99 | % | | | | 99-158-9346 |
| Toluene-d8 | 98 | % | | | | 99-158-9346 |
| 4-Bromofluorobenzene | 99 | % | | | | 99-158-9346 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| beta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| delta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Heptachlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Aldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Heptachlor epoxide | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endosulfan I | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| 4,4'-DDE | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Dieldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endosulfan II | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| 4,4'-DDD | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endrin aldehyde | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Endosulfan sulfate | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| 4,4'-DDT | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Methoxychlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Chlordane | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Toxaphene | U | ug/l | 0.5 | 15-OCT-99 | EPA 8081 | 99-127-8061 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
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Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 66 | % | | | | 99-127-8061 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1221 | U | ug/l | 0.2 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1232 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1242 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1248 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1254 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| PCB 1260 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8061 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 66 | % | | | | 99-127-8061 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Phenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Chlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachloroethane | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Nitrobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Isophorone | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Nitrophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Naphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Chloroaniline | U | ug/l | 10 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachlorobutadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Methylnaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Chloronaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Nitroaniline | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Dimethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Acenaphthylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 3-Nitroaniline | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Acenaphthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Dibenzofuran | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Nitrophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Diethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Fluorene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Nitroaniline | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Hexachlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Pentachlorophenol | U | ug/l | 20 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Phenanthrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Carbazole | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Di-n-butyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Butylbenzyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(a)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Chrysene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Di-n-octyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Benzo(a)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFB1W100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 13:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9347 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-59 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Unknown | 6 | ug/l | J | 18.66 |
| Unknown | 7 | ug/l | J | 20.27 |
| Unknown | 18 | ug/l | J | 21.58 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 52 | % | 98-051-9347 |
| 2-Fluorophenol | 40 | % | 98-051-9347 |
| Phenol-d5 | 30 | % | 98-051-9347 |
| 2,4,6-Tribromophenol | 79 | % | 98-051-9347 |
| Nitrobenzene-d5 | 54 | % | 98-051-9347 |
| 2-Fluorobiphenyl | 53 | % | 98-051-9347 |



QC 94 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
# TENTATIVELY IDENTIFIED COMPOUNDS

Fagan

NYSDEC SAMPLE NO.

Lab Name:_____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-1

Sample wt/vol:_____(g/mL)_____ Lab File ID: D9346.D

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

% Moisture: not dec. _____ Date Analyzed:_____

GC Column: _____ ID: _____ (mm) Dilution Factor:_____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg)_____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9347.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 3

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 18.66 | 6 | J |
| 2. | ↓ | 20.27 | 7 | ↓ |
| 3. | ↓ | 21.58 | 18 | ↓ |
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FORM I-CLP-SV-TIC

KH 10/8/99

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID L39385-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFGW1B100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 11:00 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Acetone | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9344 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFGW1B100499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 04-OCT-99 11:00 by CLIENT |
| DATE RECEIVED : | 04-OCT-99 16:00 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 101 | % | | | | 99-158-9344 |
| Toluene-d8 | 98 | % | | | | 99-158-9344 |
| 4-Bromofluorobenzene | 99 | % | | | | 99-158-9344 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9344.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

Number TICs found: 0

CONCENTRATION UNITS: (µg/L or µg/Kg) _____

R131462 10/6

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFFB100499 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 14:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 0.136 | mg/l | 0.075 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/l | 0.050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/l | 0.002 | 14-OCT-99 | EPA 7062 | 97-198-30 |
| Barium | 0.076 | mg/l | 0.016 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/l | 0.002 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/l | 0.0050 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 58.2 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | U | mg/l | 0.017 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 1.33 | mg/l | 0.040 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | U | mg/l | 0.001 | 13-OCT-99 | EPA 7421 | 98-194-46 |
| Magnesium | 10.2 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 0.019 | mg/l | 0.005 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.0003 | mg/l | 0.0002 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | U | mg/l | 0.012 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 1.73 | mg/l | 0.500 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/l | 0.002 | 08-OCT-99 | EPA 7742 | 96-080-52 |
| Silver | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Sodium | 21.5 | mg/l | 0.200 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Thallium | U | mg/l | 0.001 | 14-OCT-99 | EPA 7841 | 98-187-56 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFFB100499 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 04-OCT-99 14:45 by CLIENT |
| DATE RECEIVED : | 04-OCT-99 16:00 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 0.037 | mg/l | 0.020 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Acetone | 40 | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9345 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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DATE 19-OCT-1999

LAB SAMPLE ID : L39385-3

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| DESCRIPTION | GRAB |
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| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100 | % | | | | 99-158-9345 |
| Toluene-d8 | 100 | % | | | | 99-158-9345 |
| 4-Bromofluorobenzene | 98 | % | | | | 99-158-9345 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| beta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| delta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Heptachlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Aldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Heptachlor epoxide | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endosulfan I | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| 4,4'-DDE | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Dieldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endosulfan II | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| 4,4'-DDD | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endrin aldehyde | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Endosulfan sulfate | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| 4,4'-DDT | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Methoxychlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Chlordane | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Toxaphene | U | ug/l | 0.52 | 15-OCT-99 | EPA 8081 | 99-127-8062 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |



QC Q4 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

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DATE 19-OCT-1999

LAB SAMPLE ID : L39385-3

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Elmira, NY 14904

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| DESCRIPTION | GRAB |
| SAMPLED ON | 04-OCT-99 14:45 by CLIENT |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 82 | % | | | | 99-127-8062 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1221 | U | ug/l | 0.21 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1232 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1242 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1248 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1254 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| PCB 1260 | U | ug/l | 0.1 | 15-OCT-99 | EPA 8082 | 99-127-8062 |
| Extraction Information: | | | | 07-OCT-99 | | 99-154-58 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 82 | % | | | | 99-127-8062 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Phenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Chlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachloroethane | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Nitrobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Isophorone | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Nitrophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Naphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Chloroaniline | U | ug/l | 11 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachlorobutadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 11 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Methylnaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Chloronaphthalene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Nitroaniline | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Dimethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Acenaphthylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 3-Nitroaniline | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Acenaphthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dinitrophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Dibenzofuran | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Nitrophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Diethyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Fluorene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Nitroaniline | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Hexachlorobenzene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Pentachlorophenol | U | ug/l | 21 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Phenanthrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Carbazole | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Di-n-butyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Butylbenzyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(a)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| 3,3-Dichlorobenzidine | U | ug/l | 11 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Chrysene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Di-n-octyl phthalate | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Benzo(a)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |



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LAB SAMPLE ID L39385-3

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| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 07-OCT-99 | EPA 8270 | 98-051-9340 |
| Extraction Information: | | | | 05-OCT-99 | | 99-137-59 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 64 | % | 98-051-9340 |
| 2-Fluorophenol | 37 | % | 98-051-9340 |
| Phenol-d5 | 26 | % | 98-051-9340 |
| 2,4,6-Tribromophenol | 55 | % | 98-051-9340 |
| Nitrobenzene-d5 | 53 | % | 98-051-9340 |
| 2-Fluorobiphenyl | 51 | % | 98-051-9340 |



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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L393853

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D4345.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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| 29. | | | | |
| 30. | | | | |

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39385-3

Sample wt/vol:_____(g/mL)_____ Lab File ID: B9340.d

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

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

Concentrated Extract Volume: _____(µL) Date Analyzed:_____

Injection Volume: _____(µL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC



K 11/08/99

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | 95-045-29-25 |
| DESCRIPTION | TRIP BLANK |
| SAMPLED ON | 04-OCT-99 00:00 by lab |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Vinyl chloride | U | ug/l | 2 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Chloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Bromomethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Acetone | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Carbon disulfide | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Methylene chloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Chloroform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Carbon tetrachloride | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Benzene | U | ug/l | 0.7 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,2-Dichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Trichloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,2-Dichloropropane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Bromodichloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Methyl isobutyl ketone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Toluene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Tetrachloroethene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 2-Hexanone | U | ug/l | 10 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Dibromochloromethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Chlorobenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Ethylbenzene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| o-Xylene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Styrene | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| Bromoform | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 05-OCT-99 | EPA 8260 | 99-158-9339 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 19-OCT-1999

LAB SAMPLE ID : L39385-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | 95-045-29-25 |
| DESCRIPTION | TRIP BLANK |
| SAMPLED ON | 04-OCT-99 00:00 by lab |
| DATE RECEIVED | 04-OCT-99 16:00 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 102 | % | | | | 99-158-9339 |
| Toluene-d8 | 99 | % | | | | 99-158-9339 |
| 4-Bromofluorobenzene | 100 | % | | | | 99-158-9339 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

# VOLATILE ORGANICS ANALYSIS DATA SHEET
# TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L 37385-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: Da 339.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
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| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

FLI
FRIEND LABORATORY
I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: OCTOBER 5, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 1 OF ___

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: ADDRESS: Fagan
PHONE: FAX:

INVOICE TO: ADDRESS: Fagan

Sample Site: ALF
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO: ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 10-5-99 1130 | S-ALFG7100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -1 |
| 10-5-99 1140 | S-ALFG5100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -2 |
| 10-5-99 1215 | S-ALFDUP100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract Duplicate | -3 |
| 10-5-99 1230 | S-ALFG4A100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -4 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 10.6.99 432 pm | Tracey Matthews | 10/6/99 4:35 | |
| | | Tom Jones | 10/7/99 7:57 | |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO: Fagan
ADDRESS:

Sample Site: ALF
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 10-5-99 1238 | S-ALF GW3A100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -5 |
| 10-5-99 1250 | S-ALF B1100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -6 |
| 10-5-99 1250 | S-ALF B1MS100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract Matrix spike | -7 |
| 10-5-99 1250 | S-ALF B1MSD 100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract Matrix Spike Dupe | -8 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-6-99 932 pm | Stacey Mallen | 10/6/99 4:35 | |
| | | Don Jones | 10/7/99 7:57 | |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 2 OF __

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO: Fagan
ADDRESS:

Sample Site: ACF
P.O. # 97150

PROJECT NO. / NAME: ACF

COPY TO:
ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | LAB USE ONLY SAMPLE NUMBER |
|---|---|---|---|---|
| 10-5-99 1315 | S-ALFB2A100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per contract | -9 |
| 10-5-99 1330 | S-ALFPCBA100599 SOIL | 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | 8082 | -10 |
| 10-5-99 1340 | S-ALFPCBB100599 SOIL | 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | 8082 | -11 |
| 10-5-99 1400 | S-ALFPCBC100599 SOIL | 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | 8082 | -12 |

| RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER [signature] | 10.6.99 4:32 pm | Stacey Matthews | 10/6/99 4:35 | |
| | | Tom Jones | 10/7/99 7:57 | |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: ADDRESS: Fugro
PHONE: FAX:

INVOICE TO: ADDRESS: Fugro

Sample Site: ALF

P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO: ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 10-5-99 1415 | 5-ALFB2B100599 SOIL | 2 — Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | Full TCL per contract | -13 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER: | 10-6-99 432 pm | Stacey Matthews | 10/6/99 4:35 | |
| | | Don Jones | 10/7/99 7:57 | |

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT MODERATE HIGH (please circle)

# Laboratory Chronicle

**FLI**
FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department: Volatiles

Fraction/Parameter: 8260

SDG/Project: Fagan/American Endurance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | | |
| | L39569-2 | | | | |
| | L39569-3 | | | | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lon Jones | 10/7/99 | 9:25 | Scott J. Boryslak | 10-7-99 | 9:25 | |
| 1 | Scott J. Boryslak | 10-7-99 | 11:30 | [illegible] | 10-7-99 | 11:30 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8270

SDG/Project Fagan/American Surfrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| 1 | L39569-1 | | | | |
| 1 | L39569-2 | | | | |
| 1 | L39569-3 | | | | |
| 1 | L39569-4 | | | | |
| 1 | L39569-5 | | | | |
| 1 | L39569-6 | | | | |
| 1 | L39569-7 | | | | |
| 1 | L39569-8 | | | | |
| 1 | L39569-9 | | | | |
| 1 | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Lisa Grould | 10/13/99 | 14:20 | Fritz Anderson | 10/13/99 | 19:20 | |
| 1 | Fritz Anderson | 10/13/99 | 16:50 | Lisa Grould | 10/13/99 | 16:50 | |
| 2 | Fritz Anderson | 10/13/99 | 16:50 | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8082

SDG/Project Fagan/American Laqrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-10 | | | | |
| | L39569-11 | | | | |
| | L39569-12 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/11/99 | 16:45 | Faith Anderson | 10/11/99 | 16:45 | |
| 1 | Faith Anderson | 10/13/99 | 12:05 | Shannon M Bennett | 10/13/99 | 1205 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8081/8082

SDG/Project Fagan/American Fragrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | | |
| | L39569-2 | | | | |
| | L39569-3 | | | | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 10-18-99 | 1302 | [illegible] | 10/18/99 | 13:02 | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

FLI
FRIEND LABORATORY INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Metals

SDG/Project Fagan/American Insurance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | | |
| | L39569-2 | | | | |
| | L39569-3 | | | | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 10/8/99 | 13:30 | Joe Burleigh | 10/8/99 | 13:30 | |
| 1 | Joe Burleigh | 10/13/99 | 8:20 | [illegible] | 10/13/99 | 8:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Wetchem

Fraction/Parameter Total Solids

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-1 | | | L39569-10 | |
| | L39569-2 | | | L39569-11 | |
| | L39569-3 | | | L39569-12 | |
| | L39569-4 | | | | |
| | L39569-5 | | | | |
| | L39569-6 | | | | |
| | L39569-7 | | | | |
| | L39569-8 | | | | |
| | L39569-9 | | | | |
| | L39569-13 | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/7/99 | 1100 | Elliott Thomas | 10-7-99 | 8:00 | |
| 1 | Elliott Thomas | 10-7-99 | 4:20 | Lori L Jones | 10/7/99 | 16:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG7100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.37 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 5910 | mg/kg | 7.70 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | 10 | mg/kg | 5.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 46.4 | mg/kg | 1.64 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.246 | mg/kg | 0.205 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5130 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 137900 | mg/kg | 1000 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 7.53 | mg/kg | 1.03 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.59 | mg/kg | 1.03 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 26.4 | mg/kg | 1.75 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 13800 | mg/kg | 4.11 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 8.5 | mg/kg | 4.52 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 7070 | mg/kg | 51.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 697 | mg/kg | 0.513 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 14 | mg/kg | 1.23 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 773 | mg/kg | 51.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.03 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 116 | mg/kg | 20.5 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 22-NOV-1999

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Elmira, NY 14904

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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.67 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 8.21 | mg/kg | 1.03 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 48.8 | mg/kg | 2.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Vinyl chloride | U | ug/kg | 270 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Chloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Bromomethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Acetone | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Carbon disulfide | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Methylene chloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| trans-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| cis-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Chloroform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1,1-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Carbon tetrachloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Benzene | U | ug/kg | 93 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,2-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Trichloroethene | 910 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,2-Dichloropropane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Bromodichloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| cis-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Toluene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| trans-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1,2-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Tetrachloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Dibromochloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Chlorobenzene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Ethylbenzene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| p-Xylene/m-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| o-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| Styrene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |



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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-1

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|---|---|
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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2278 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 1000 | ug/kg | | 6.15 |

| | | | | |
|---|---|---|---|---|
| Surrogate Recovery: | | | | |
| Dibromofluoromethane | 116 | % | | 99-187-F2278 |
| Toluene-d8 | 107 | % | | 99-187-F2278 |
| 4-Bromofluorobenzene | 114 | % | | 99-187-F2278 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8188 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

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Elmira, NY 14904

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| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 70 | % | | | | 99-127-8188 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8188 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 70 | % | | | | 99-127-8188 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Phenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Chlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,3-Dichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,4-Dichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,2-Dichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Bis(2-chloroisopropylether) | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Methylphenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachloroethane | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Nitrobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Isophorone | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Nitrophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dimethylphenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dichlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Naphthalene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Chloroaniline | U | ug/kg | 400 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachlorobutadiene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/kg | 400 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Methylnaphthalene | 160 J | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachlorocyclopentadiene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4,6-Trichlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4,5-Trichlorophenol | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Chloronaphthalene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Nitroaniline | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Dimethyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Acenaphthylene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,6-Dinitrotoluene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 3-Nitroaniline | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Acenaphthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dinitrophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Dibenzofuran | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2,4-Dinitrotoluene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Nitrophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Diethyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Fluorene | 120 J | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Chlorophenylphenylether | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Nitroaniline | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| N-Nitrosodiphenylamine | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 4-Bromophenylphenylether | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Hexachlorobenzene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Pentachlorophenol | U | ug/kg | 790 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Phenanthrene | 180 J | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Anthracene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Carbazole | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Di-n-butyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Fluoranthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Pyrene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Butylbenzyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(a)anthracene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| 3,3-Dichlorobenzidine | U | ug/kg | 400 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Chrysene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Di-n-octyl phthalate | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(b)fluoranthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(k)fluoranthene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Benzo(a)pyrene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Dibenzo(a,h)anthracene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |



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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG7100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/kg | 200 | 14-OCT-99 | EPA 8270 | 98-051-9400 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 660 | ug/kg | J | 10.71 |
| UNKNOWN | 990 | ug/kg | J | 13.07 |
| UNKNOWN | 970 | ug/kg | J | 13.39 |
| UNKNOWN | 630 | ug/kg | J | 16.1 |
| UNKNOWN | 1300 | ug/kg | J | 17.34 |
| UNKNOWN | 980 | ug/kg | J | 18.52 |
| UNKNOWN | 620 | ug/kg | J | 19.37 |
| UNKNOWN | 1700 | ug/kg | J | 19.98 |
| UNKNOWN | 700 | ug/kg | J | 20.87 |
| UNKNOWN | 1300 | ug/kg | J | 21.03 |
| UNKNOWN | 1800 | ug/kg | J | 21.82 |
| UNKNOWN | 3800 | ug/kg | J | 21.93 |
| UNKNOWN | 2000 | ug/kg | J | 22.25 |
| UNKNOWN | 960 | ug/kg | J | 23.35 |
| UNKNOWN | 1200 | ug/kg | J | 23.59 |
| UNKNOWN | 1500 | ug/kg | J | 24.93 |
| UNKNOWN | 800 | ug/kg | J | 25.79 |
| UNKNOWN | 1600 | ug/kg | J | 34.19 |
| UNKNOWN | 1100 | ug/kg | J | 38.46 |
| UNKNOWN | 620 | ug/kg | J | |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 56 | % | 98-051-9400 |
| 2-Fluorophenol | 55 | % | 98-051-9400 |
| Phenol-d5 | 59 | % | 98-051-9400 |
| 2,4,6-Tribromophenol | 59 | % | 98-051-9400 |
| Nitrobenzene-d5 | 66 | % | 98-051-9400 |
| 2-Fluorobiphenyl | 59 | % | 98-051-9400 |

Analysis Comment: Dry weight basis. Internal standard 6 out of limits high.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

fagan

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 139569-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2278

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

Soil Extract Volume: _____ (µL) R13281 Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

Number TICs found: 1 dm 10/12/99 (µg/L or µg/Kg) µg/Kg

Dry weight

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.15 | 1000 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

KIJJH CLM
10/15/99

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L35969-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9400.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 20

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | C |
|---|---|---|---|---|
| 1. | Unknown | 10.71 | 660 | J |
| 2. | | 13.07 | 990 | |
| 3. | | 13.39 | 970 | |
| 4. | | 16.10 | 630 | |
| 5. | | 17.34 | 1300 | |
| 6. | | 18.52 | 980 | |
| 7. | | 19.37 | 620 | |
| 8. | | 19.98 | 1700 | |
| 9. | | 20.87 | 700 | |
| 10. | | 21.03 | 1300 | |
| 11. | | 21.82 | 1800 | |
| 12. | | 21.93 | 3800 | |
| 13. | | 22.25 | 2000 | |
| 14. | | 23.05 | 960 | |
| 15. | | 23.35 | 1200 | |
| 16. | | ~~25~~ 23.59 | 1500 | |
| 17. | | 24.93 ~~24.93~~ | 800 | |
| 18. | | 25.79 | 1600 | |
| 19. | | 34.19 | 1100 | |
| 20. | | 38.46 | 620 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.65 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 5690 | mg/kg | 8.51 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.67 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 13.6 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 60.8 | mg/kg | 1.82 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.227 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5670 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 47500 | mg/kg | 1100 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 8.3 | mg/kg | 1.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.34 | mg/kg | 1.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 23.3 | mg/kg | 1.93 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 14100 | mg/kg | 4.54 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 16.7 | mg/kg | 4.99 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 8600 | mg/kg | 56.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 676 | mg/kg | 0.567 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13.1 | mg/kg | 1.36 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 794 | mg/kg | 56.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.94 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.14 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 86.6 | mg/kg | 22.6 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID :L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFGS100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.38 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 8.49 | mg/kg | 1.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 64.3 | mg/kg | 2.27 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Vinyl chloride | U | ug/kg | 260 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Chloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Bromomethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1-Dichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Acetone | U | ug/kg | 3200 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Carbon disulfide | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Methylene chloride | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| trans-1,2-Dichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1-Dichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| cis-1,2-Dichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3200 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Chloroform | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1,1-Trichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Carbon tetrachloride | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Benzene | U | ug/kg | 90 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,2-Dichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Trichloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,2-Dichloropropane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Bromodichloromethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| cis-1,3-Dichloropropene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Toluene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| trans-1,3-Dichloropropene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1,2-Trichloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Tetrachloroethene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Dibromochloromethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Chlorobenzene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Ethylbenzene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| p-Xylene/m-Xylene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| o-Xylene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| Styrene | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID :L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 640 | 08-OCT-99 | EPA 8260 | 99-187-F2279 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 2300 | ug/kg | J | 26.09 |
| UNKNOWN | 6800 | ug/kg | J | 29.18 |
| UNKNOWN | 2700 | ug/kg | J | 29.37 |
| UNKNOWN | 4800 | ug/kg | J | 29.5 |
| UNKNOWN | 4100 | ug/kg | J | 29.95 |
| UNKNOWN | 5200 | ug/kg | J | 30.06 |
| UNKNOWN | 11000 | ug/kg | J | 30.4 |
| UNKNOWN | 5000 | ug/kg | J | 31.05 |
| UNKNOWN | 6400 | ug/kg | J | 31.15 |
| UNKNOWN | 3400 | ug/kg | J | 32.13 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 107 | % | 99-187-F2279 |
| Toluene-d8 | 98 | % | 99-187-F2279 |
| 4-Bromofluorobenzene | 106 | % | 99-187-F2279 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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LAB SAMPLE ID :L39569-2

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|---|---|
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| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8189 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 23 * | % | | | | 99-127-8189 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8189 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 23 * | % | | | | 99-127-8189 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Phenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Chlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,3-Dichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,4-Dichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,2-Dichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Bis(2-chloroisopropylether) | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Methylphenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachloroethane | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Nitrobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Isophorone | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Nitrophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dimethylphenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGS100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bis(2-chloroethoxymethane) | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dichlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Naphthalene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Chloroaniline | U | ug/kg | 500 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachlorobutadiene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Chloro-3-methylphenol | U | ug/kg | 500 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Methylnaphthalene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachlorocyclopentadiene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4,6-Trichlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4,5-Trichlorophenol | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Chloronaphthalene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Nitroaniline | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Dimethyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Acenaphthylene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,6-Dinitrotoluene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 3-Nitroaniline | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Acenaphthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dinitrophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Dibenzofuran | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2,4-Dinitrotoluene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Nitrophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Diethyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Fluorene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Chlorophenylphenylether | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Nitroaniline | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| N-Nitrosodiphenylamine | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 4-Bromophenylphenylether | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Hexachlorobenzene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Pentachlorophenol | U | ug/kg | 1000 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Phenanthrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Anthracene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Carbazole | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Di-n-butyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Fluoranthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Pyrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Butylbenzyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(a)anthracene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| 3,3-Dichlorobenzidine | U | ug/kg | 500 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Chrysene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFGS100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 11:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Di-n-octyl phthalate | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(b)fluoranthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(k)fluoranthene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(a)pyrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Dibenzo(a,h)anthracene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Benzo(g,h,i)perylene | U | ug/kg | 250 | 14-OCT-99 | EPA 8270 | 98-051-9401 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 670 | ug/kg | J | 34.18 |
| UNKNOWN | 300 | ug/kg | J | 38.46 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 55 | % | 98-051-9401 |
| 2-Fluorophenol | 46 | % | 98-051-9401 |
| Phenol-d5 | 50 | % | 98-051-9401 |
| 2,4,6-Tribromophenol | 48 | % | 98-051-9401 |
| Nitrobenzene-d5 | 56 | % | 98-051-9401 |
| 2-Fluorobiphenyl | 50 | % | 98-051-9401 |

Analysis Comment: Dry weight basis. Internal standard 1-4 out of limits high.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9401.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 2

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 34.18 | 670 | J |
| 2. | ↓ | 38.46 | 300 | ↓ |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
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FORM I-CLP-SV-TIC

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39 569-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2279

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) ~~µg/Kg~~ dry weight

Number TICs found: 10

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 26.09 | 3300 | J |
| 2. | | 29.18 | SMB 10/11/99 ~~37~~ 6800 | |
| 3. | | 29.37 | 2700 | |
| 4. | | 29.50 | 4800 | |
| 5. | | 29.95 | 4100 | |
| 6. | | 30.06 | 5200 | |
| 7. | | 30.40 | SMB 10/11/99 ~~3900~~ 11000 | |
| 8. | | 31.05 | 5000 | |
| 9. | | 31.15 | 6400 | |
| 10. | | 32.13 | 3400 | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFDUP100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.64 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 7250 | mg/kg | 8.02 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.34 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 53.4 | mg/kg | 1.71 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.241 | mg/kg | 0.214 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5340 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 38800 | mg/kg | 53.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 9.57 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.79 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 19.8 | mg/kg | 1.82 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 15800 | mg/kg | 4.28 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 12.7 | mg/kg | 4.70 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 13000 | mg/kg | 53.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 460 | mg/kg | 0.534 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 15.5 | mg/kg | 1.28 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 832 | mg/kg | 53.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.48 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.07 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 94.2 | mg/kg | 21.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFDUP100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.95 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 9.97 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 56.6 | mg/kg | 2.14 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Vinyl chloride | U | ug/kg | 260 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Chloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Bromomethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1-Dichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Acetone | U | ug/kg | 3300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Carbon disulfide | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Methylene chloride | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| trans-1,2-Dichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1-Dichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| cis-1,2-Dichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Chloroform | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1,1-Trichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Carbon tetrachloride | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Benzene | U | ug/kg | 92 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,2-Dichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Trichloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,2-Dichloropropane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Bromodichloromethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| cis-1,3-Dichloropropene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Toluene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| trans-1,3-Dichloropropene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1,2-Trichloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Tetrachloroethene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 2-Hexanone | U | ug/kg | 1300 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Dibromochloromethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Chlorobenzene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Ethylbenzene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| p-Xylene/m-Xylene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| o-Xylene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| Styrene | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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LAB SAMPLE ID : L39569-3

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| ORIGIN : | S-ALFDUP100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 660 | 13-OCT-99 | EPA 8260 | 99-187-F2311 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 3600 | ug/kg | J | 26.15 |
| UNKNOWN | 2800 | ug/kg | J | 29.25 |
| UNKNOWN | 3600 | ug/kg | J | 29.59 |
| UNKNOWN | 23.4 | ug/kg | J | 30.03 |
| UNKNOWN | 4600 | ug/kg | J | 30.14 |
| UNKNOWN | 10000 | ug/kg | J | 30.47 |
| UNKNOWN | 3800 | ug/kg | J | 31.14 |
| UNKNOWN | 6000 | ug/kg | J | 31.23 |
| UNKNOWN | 3300 | ug/kg | J | 32.21 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 116 | % | | | | 99-187-F2311 |
| Toluene-d8 | 98 | % | | | | 99-187-F2311 |
| 4-Bromofluorobenzene | 104 | % | | | | 99-187-F2311 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| beta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Lindane (gamma-BHC) | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| delta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Heptachlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Aldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Heptachlor epoxide | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| alpha-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endosulfan I | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| gamma-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| 4,4'-DDE | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Dieldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endosulfan II | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| 4,4'-DDD | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFDUP100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Endrin ketone | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endrin aldehyde | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Endosulfan sulfate | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| 4,4'-DDT | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Methoxychlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Toxaphene | U | mg/kg | 0.03 | 25-OCT-99 | EPA 8081 | 99-127-8190 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 76 | % | | | | 99-127-8190 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8190 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 76 | % | | | | 99-127-8190 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Phenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Chlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,3-Dichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,4-Dichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,2-Dichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Bis(2-chloroisopropylether) | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Methylphenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachloroethane | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |



QC 4 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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DATE 12-NOV-1999

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| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Nitrobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Isophorone | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Nitrophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dimethylphenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dichlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Naphthalene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Chloroaniline | U | ug/kg | 430 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachlorobutadiene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Chloro-3-methylphenol | U | ug/kg | 430 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Methylnaphthalene | 310 | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachlorocyclopentadiene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4,6-Trichlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4,5-Trichlorophenol | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Chloronaphthalene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Nitroaniline | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Dimethyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Acenaphthylene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,6-Dinitrotoluene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 3-Nitroaniline | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Acenaphthene | 170 J | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dinitrophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Dibenzofuran | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2,4-Dinitrotoluene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Nitrophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Diethyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Fluorene | 200 J | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Chlorophenylphenylether | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Nitroaniline | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| N-Nitrosodiphenylamine | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 4-Bromophenylphenylether | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Hexachlorobenzene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Pentachlorophenol | U | ug/kg | 860 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Phenanthrene | 280 | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Anthracene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Carbazole | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Di-n-butyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Fluoranthene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Pyrene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Butylbenzyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE 12-NOV-1999

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113 East Chemung Place
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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(a)anthracene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| 3,3-Dichlorobenzidine | U | ug/kg | 430 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Chrysene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Di-n-octyl phthalate | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(b)fluoranthene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(k)fluoranthene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(a)pyrene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Dibenzo(a,h)anthracene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Benzo(g,h,i)perylene | U | ug/kg | 210 | 14-OCT-99 | EPA 8270 | 98-051-9402 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 780 | ug/kg | J | 10.69 |
| UNKNOWN | 1200 | ug/kg | J | 13.06 |
| UNKNOWN | 750 | ug/kg | J | 13.18 |
| UNKNOWN | 1300 | ug/kg | J | 13.38 |
| UNKNOWN | 740 | ug/kg | J | 16.1 |
| UNKNOWN | 1500 | ug/kg | J | 17.35 |
| UNKNOWN | 730 | ug/kg | J | 17.61 |
| UNKNOWN | 1200 | ug/kg | J | 18.51 |
| UNKNOWN | 2400 | ug/kg | J | 19.97 |
| UNKNOWN | 1100 | ug/kg | J | 20.87 |
| UNKNOWN | 2100 | ug/kg | J | 21.03 |
| UNKNOWN | 3100 | ug/kg | J | 21.82 |
| UNKNOWN | 5500 | ug/kg | J | 21.93 |
| UNKNOWN | 3200 | ug/kg | J | 22.25 |
| UNKNOWN | 1500 | ug/kg | J | 23.06 |
| UNKNOWN | 1600 | ug/kg | J | 23.35 |
| UNKNOWN | 2900 | ug/kg | J | 23.6 |
| UNKNOWN | 990 | ug/kg | J | 24.94 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 1900 | ug/kg | J | 25.8 | | | |
| UNKNOWN | 1200 | ug/kg | J | 34.19 | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 57 | % | | | | | 98-051-9402 |
| 2-Fluorophenol | 48 | % | | | | | 98-051-9402 |
| Phenol-d5 | 54 | % | | | | | 98-051-9402 |
| 2,4,6-Tribromophenol | 57 | % | | | | | 98-051-9402 |
| Nitrobenzene-d5 | 60 | % | | | | | 98-051-9402 |
| 2-Fluorobiphenyl | 56 | % | | | | | 98-051-9402 |

Analysis Comment: Results Calculated on a dry weight basis.



QC 6f NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9402.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 10.69 | 780 | J |
| 2. | | 13.06 | 1200 | |
| 3. | | 13.18 | 750 | |
| 4. | | 13.38 | 1300 | |
| 5. | | 16.10 | 740 | |
| 6. | | 17.35 | 1500 | |
| 7. | | 17.61 | 730 | |
| 8. | | 18.51 | 1200 | |
| 9. | | 19.97 | 2400 | |
| 10. | | 20.87 | 1100 | |
| 11. | | 21.03 | 2100 | |
| 12. | | 21.82 | 3100 | |
| 13. | | 21.93 | 5500 | |
| 14. | | 22.25 | 3200 | |
| 15. | | 23.06 | 1500 | |
| 16. | | 23.35 | 1600 | |
| 17. | | 23.60 | 2900 | |
| 18. | | 24.94 | 990 | |
| 19. | | 25.80 | 1900 | |
| 20. | | 34.19 | 1200 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
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| 27. | | | | |
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| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2311

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

% Moisture: not dec. _____ Date Analyzed: 10/13/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) ~~µg/Kg~~ dry weight

Number TICs found: 9

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 26.15 | 3600 | J |
| 2. | | 29.25 | 5800 | J |
| 3. | | 29.59 | 3600 | J |
| 4. | | 30.03 | 23.4 | J |
| 5. | | 30.14 | 4800 | J |
| 6. | | 30.47 | 10,000 | J |
| 7. | | 31.14 | 3800 | J |
| 8. | | 31.23 | 6000 | J |
| 9. | | 32.21 | 3300 | J |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
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FLI
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
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| | |
|---|---|
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| DESCRIPTION | GRAB |
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| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 84 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 9470 | mg/kg | 8.86 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.91 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 14.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 170 | mg/kg | 1.89 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.528 | mg/kg | 0.236 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | 12.7 | mg/kg | 11.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 1600 | mg/kg | 59.0 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 9.48 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.84 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 108 | mg/kg | 2.01 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 14800 | mg/kg | 4.73 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 16.9 | mg/kg | 5.20 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 1890 | mg/kg | 59.0 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 275 | mg/kg | 0.591 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.12 | mg/kg | 0.0120 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13 | mg/kg | 1.42 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 798 | mg/kg | 59.0 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 8.27 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.18 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 122 | mg/kg | 23.6 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.68 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 10.7 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 70 | mg/kg | 2.36 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Vinyl chloride | U | ug/kg | 280 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Chloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Bromomethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1-Dichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Acetone | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Carbon disulfide | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Methylene chloride | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| trans-1,2-Dichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1-Dichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| cis-1,2-Dichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Chloroform | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1,1-Trichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Carbon tetrachloride | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Benzene | U | ug/kg | 97 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,2-Dichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Trichloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,2-Dichloropropane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Bromodichloromethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| cis-1,3-Dichloropropene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Toluene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| trans-1,3-Dichloropropene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1,2-Trichloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Tetrachloroethene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 2-Hexanone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Dibromochloromethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Chlorobenzene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Ethylbenzene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| p-Xylene/m-Xylene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| o-Xylene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| Styrene | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG4A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 690 | 08-OCT-99 | EPA 8260 | 99-187-F2280 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 840 | ug/kg | J | 22.51 |
| UNKNOWN | 2200 | ug/kg | J | 23.12 |
| UNKNOWN | 2000 | ug/kg | J | 23.89 |
| UNKNOWN | 1200 | ug/kg | J | 25.62 |
| UNKNOWN | 2100 | ug/kg | J | 26.11 |
| UNKNOWN | 1900 | ug/kg | J | 26.82 |
| UNKNOWN | 1600 | ug/kg | J | 27.08 |
| UNKNOWN | 900 | ug/kg | J | 27.28 |
| UNKNOWN | 1200 | ug/kg | J | 27.82 |
| UNKNOWN | 1200 | ug/kg | J | 28.02 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 93 | % | | | | 99-187-F2280 |
| Toluene-d8 | 106 | % | | | | 99-187-F2280 |
| 4-Bromofluorobenzene | 106 | % | | | | 99-187-F2280 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| beta-BHC | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Lindane (gamma-BHC) | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| delta-BHC | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Heptachlor | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Aldrin | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Heptachlor epoxide | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| alpha-Chlordane | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endosulfan I | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| gamma-Chlordane | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| 4,4'-DDE | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Dieldrin | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endrin | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endosulfan II | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG4A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4,4'-DDD | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endrin ketone | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endrin aldehyde | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Endosulfan sulfate | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| 4,4'-DDT | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Methoxychlor | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Toxaphene | U | mg/kg | 0.2 | 25-OCT-99 | EPA 8081 | 99-127-8200 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 100 | % | | | | 99-127-8200 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1221 | U | mg/kg | 0.1 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1232 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1242 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1248 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1254 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| PCB 1260 | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8082 | 99-127-8200 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 100 | % | | | | 99-127-8200 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Phenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Chlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,3-Dichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,4-Dichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,2-Dichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Bis(2-chloroisopropylether) | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Methylphenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachloroethane | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFG4A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Nitrobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Isophorone | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Nitrophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dimethylphenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dichlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 1,2,4-Trichlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Naphthalene | 80 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Chloroaniline | U | ug/kg | 550 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachlorobutadiene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Chloro-3-methylphenol | U | ug/kg | 550 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Methylnaphthalene | 64 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachlorocyclopentadiene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4,6-Trichlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4,5-Trichlorophenol | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Chloronaphthalene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Nitroaniline | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Dimethyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Acenaphthylene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,6-Dinitrotoluene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 3-Nitroaniline | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Acenaphthene | 120 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Dibenzofuran | 76 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2,4-Dinitrotoluene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Nitrophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Diethyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Fluorene | 110 J | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Chlorophenylphenylether | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Nitroaniline | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| N-Nitrosodiphenylamine | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 4-Bromophenylphenylether | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Hexachlorobenzene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Pentachlorophenol | U | ug/kg | 1100 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Phenanthrene | 1300 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Anthracene | 310 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Carbazole | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Di-n-butyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Fluoranthene | 1700 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Pyrene | 1800 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID L39569-4

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| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Butylbenzyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(a)anthracene | 920 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| 3,3-Dichlorobenzidine | U | ug/kg | 550 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Chrysene | 920 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Di-n-octyl phthalate | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(b)fluoranthene | 1300 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(k)fluoranthene | 470 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(a)pyrene | 820 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Indeno(1,2,3-cd)pyrene | 470 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Dibenzo(a,h)anthracene | U | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Benzo(g,h,i)perylene | 460 | ug/kg | 270 | 18-OCT-99 | EPA 8270 | 98-051-9412 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 230 | ug/kg | J | 5.42 |
| UNKNOWN | 230 | ug/kg | J | 29 |
| UNKNOWN | 230 | ug/kg | J | 29.24 |
| UNKNOWN | 350 | ug/kg | J | 29.91 |
| UNKNOWN | 2400 | ug/kg | J | 34.27 |
| UNKNOWN | 1900 | ug/kg | J | 38.58 |
| UNKNOWN | 410 | ug/kg | J | 39.85 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 104 | % | 98-051-9412 |
| 2-Fluorophenol | 61 | % | 98-051-9412 |
| Phenol-d5 | 75 | % | 98-051-9412 |
| 2,4,6-Tribromophenol | 77 | % | 98-051-9412 |
| Nitrobenzene-d5 | 85 | % | 98-051-9412 |
| 2-Fluorobiphenyl | 86 | % | 98-051-9412 |

Analysis Comment: Dry weight basis.Internal standard 6 out of limits low. Confirmed by B9413.



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1 F

Fagan

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 13959-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: ~~B942.d~~ B94120 PB, 10/19/99

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: 1

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 7

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 5.42 | 230 | J |
| 2. | | 29.00 | 230 | |
| 3. | | 29.24 | 230 | |
| 4. | | 29.91 | 350 | |
| 5. | | 34.27 | 2400 | |
| 6. | | 38.58 | 1900 | |
| 7. | | 39.85 | 410 | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
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| 30. | | | | |

R13475
10/19/99

FORM I-CLP-SV-TIC

PB, 10/19

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 139569-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2280

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight.

Number TICs found: 10

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 22.51 | 840 | J |
| 2. | | 23.12 | 2200 | |
| 3. | | 23.89 | 2000 | |
| 4. | | 25.62 | 1200 | |
| 5. | | 26.11 | 2100 | |
| 6. | | 26.82 | 1900 | |
| 7. | | 27.08 | 1600 | |
| 8. | | 27.28 | 900 | |
| 9. | | 27.82 | 1200 | |
| 10. | | 28.02 | 1200 | |
| 11. | | | | |
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 15-NOV-1999

LAB SAMPLE ID : L39569-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| CRC# | S-ALFGW3A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 83.76 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 1900 | mg/kg | 8.92 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.94 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 14.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 84.2 | mg/kg | 1.90 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.598 | mg/kg | 0.238 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5940 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 1980 | mg/kg | 59.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 5.65 | mg/kg | 1.19 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 5.63 | mg/kg | 1.19 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 29.9 | mg/kg | 2.02 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 13600 | mg/kg | 4.76 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 169 | mg/kg | 5.23 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 262 | mg/kg | 59.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 59.5 | mg/kg | 0.594 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.029 | mg/kg | 0.0130 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 11.2 | mg/kg | 1.43 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 263 | mg/kg | 59.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 8.32 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.19 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 89.1 | mg/kg | 23.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC QAR NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE : 15-NOV-1999

LAB SAMPLE ID : L39569-5

Fagan Engineers
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113 East Chemung Place
Elmira, NY 14904

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| ORIGIN : | S-ALFGW3A100599 SOIL |
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| SAMPLED ON : | 05-OCT-99 12:38 by CLIENT |
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| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 7.73 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 9.76 | mg/kg | 1.19 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 93.4 | mg/kg | 2.38 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Vinyl chloride | U | ug/kg | 280 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Chloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Bromomethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1-Dichloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Acetone | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Carbon disulfide | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Methylene chloride | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| trans-1,2-Dichloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1-Dichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| cis-1,2-Dichloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3500 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Chloroform | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1,1-Trichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Carbon tetrachloride | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Benzene | U | ug/kg | 97 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,2-Dichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Trichloroethene | 1400 | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,2-Dichloropropane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Bromodichloromethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| cis-1,3-Dichloropropene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Methyl isobutyl ketone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Toluene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| trans-1,3-Dichloropropene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1,2-Trichloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Tetrachloroethene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 2-Hexanone | U | ug/kg | 1400 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Dibromochloromethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Chlorobenzene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Ethylbenzene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| p-Xylene/m-Xylene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| o-Xylene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| Styrene | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |



QC eak NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID L39569-5

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| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 700 | 08-OCT-99 | EPA 8260 | 99-187-F2281 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 740 | ug/kg | J | 6.16 |
| UNKNOWN | 700 | ug/kg | J | 7.08 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 89 | % | | | | 99-187-F2281 |
| Toluene-d8 | 103 | % | | | | 99-187-F2281 |
| 4-Bromofluorobenzene | 108 | % | | | | 99-187-F2281 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| beta-BHC | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Lindane (gamma-BHC) | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| delta-BHC | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Heptachlor | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Aldrin | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Heptachlor epoxide | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| alpha-Chlordane | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endosulfan I | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| gamma-Chlordane | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| 4,4'-DDE | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Dieldrin | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endrin | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endosulfan II | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| 4,4'-DDD | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endrin ketone | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endrin aldehyde | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Endosulfan sulfate | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| 4,4'-DDT | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Methoxychlor | U | mg/kg | 0.005 | 25-OCT-99 | EPA 8081 | 99-127-8197 |
| Toxaphene | U | mg/kg | 0.05 | 25-OCT-99 | EPA 8081 | 99-127-8197 |



QC eal NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID L39569-5

Fagan Engineers
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Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFGW3A100599 SOIL |
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| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 75 | % | | | | 99-127-8197 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8197 |
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 75 | % | | | | 99-127-8197 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Phenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Chlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 1,3-Dichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 1,4-Dichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 1,2-Dichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Bis(2-chloroisopropylether) | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Methylphenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachloroethane | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Nitrobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Isophorone | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Nitrophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dimethylphenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dichlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |



QC ok NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| P.O. NO. | N/A |

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|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Naphthalene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Chloroaniline | U | ug/kg | 560 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachlorobutadiene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Chloro-3-methylphenol | U | ug/kg | 560 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Methylnaphthalene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachlorocyclopentadiene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4,6-Trichlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4,5-Trichlorophenol | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Chloronaphthalene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Nitroaniline | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Dimethyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Acenaphthylene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,6-Dinitrotoluene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 3-Nitroaniline | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Acenaphthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Dibenzofuran | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2,4-Dinitrotoluene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Nitrophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Diethyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Fluorene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Chlorophenylphenylether | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Nitroaniline | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| N-Nitrosodiphenylamine | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 4-Bromophenylphenylether | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Hexachlorobenzene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Pentachlorophenol | U | ug/kg | 1100 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Phenanthrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Anthracene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Carbazole | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Di-n-butyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Fluoranthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Pyrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Butylbenzyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(a)anthracene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| 3,3-Dichlorobenzidine | U | ug/kg | 560 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Chrysene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Bis-2-ethylhexyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Di-n-octyl phthalate | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(b)fluoranthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |



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| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:38 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(a)pyrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Dibenzo(a,h)anthracene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Benzo(g,h,i)perylene | U | ug/kg | 280 | 14-OCT-99 | EPA 8270 | 98-051-9403 |
| Extraction Information: | | | | 12-OCT-99 | | 99-137-63 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 600 | ug/kg | J | 6.9 |
| 4-Hydroxy-4-Methyl-2-Pentanone | 860 | ug/kg | A | 7.88 |
| UNKNOWN | 1200 | ug/kg | J | 34.17 |
| UNKNOWN | 690 | ug/kg | J | 38.45 |
| UNKNOWN | 300 | ug/kg | J | 42.4 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 96 | % | 98-051-9403 |
| 2-Fluorophenol | 68 | % | 98-051-9403 |
| Phenol-d5 | 75 | % | 98-051-9403 |
| 2,4,6-Tribromophenol | 83 | % | 98-051-9403 |
| Nitrobenzene-d5 | 83 | % | 98-051-9403 |
| 2-Fluorobiphenyl | 79 | % | 98-051-9403 |

Analysis Comment: Results Calculated on a dry weight basis.



QC GCK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John A. Kent
Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-5

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9403.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

10/21

Number TICs found: 5

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 6.90 | 600 | J |
| 2. 123-42-2 | 4-Hydroxy-4-methyl-2-Pentanone | 7.88 | 860 | A |
| 3. | Unknown | 34.17 | 1200 | J |
| 4. | ↓ | 38.45 | 690 | ↓ |
| 5. | | 42.40 | 300 | |
| 6. | | | | |
| 7. | | | | |
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FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 91.31 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 4050 | mg/kg | 7.99 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.33 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 52 | mg/kg | 1.70 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.213 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5330 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 51500 | mg/kg | 53.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 7.28 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 2.59 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 17.6 | mg/kg | 1.81 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 10100 | mg/kg | 4.26 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 4.86 | mg/kg | 4.69 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 14000 | mg/kg | 53.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 567 | mg/kg | 0.533 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0110 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 9.75 | mg/kg | 1.28 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 589 | mg/kg | 53.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.46 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.07 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 80.1 | mg/kg | 21.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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INC

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| nalysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| hallium | U | mg/kg | 6.92 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| anadium | 6.97 | mg/kg | 1.07 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| inc | 47.1 | mg/kg | 2.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| PA 8260 | | | | | | |
| hloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| inyl chloride | U | ug/kg | 250 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| hloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| romomethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ,1-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| cetone | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| arbon disulfide | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ethylene chloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| rans-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ,1-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| is-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ethyl ethyl ketone (2-Butanone) | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| hloroform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ,1,1-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| arbon tetrachloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| enzene | U | ug/kg | 86 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ,2-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| richloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ,2-Dichloropropane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| romodichloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| is-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ethyl isobutyl ketone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| oluene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| rans-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ,1,2-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| etrachloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| -Hexanone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| ibromochloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| hlorobenzene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| thylbenzene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| -Xylene/m-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| -Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| tyrene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |



C NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
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| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2284 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 1100 | ug/kg | J | 6.19 |
| UNKNOWN | 670 | ug/kg | J | 30.94 |
| UNKNOWN | 700 | ug/kg | J | 31.1 |

| Surrogate Recovery: | | | | | | |
|---|---|---|---|---|---|---|
| Dibromofluoromethane | 104 | % | | | | 99-187-F2284 |
| Toluene-d8 | 107 | % | | | | 99-187-F2284 |
| 4-Bromofluorobenzene | 104 | % | | | | 99-187-F2284 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8191 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8191 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 79 | % | | | | 99-127-8191 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8191 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 79 | % | | | | 99-127-8191 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Phenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Chlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 1,3-Dichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 1,4-Dichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 1,2-Dichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Bis(2-chloroisopropylether) | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Methylphenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Hexachloroethane | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Nitrobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Isophorone | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2-Nitrophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4-Dimethylphenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| 2,4-Dichlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |



NC NY 10252 NJ 73168 PA 68160 EPA NY 00033 Approved by: Lab Director

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| ORIGIN | S-ALFB1100599 SOIL |
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| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| laphthalene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Chloroaniline | U | ug/kg | 490 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| exachlorobutadiene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Chloro-3-methylphenol | U | ug/kg | 490 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Methylnaphthalene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| exachlorocyclopentadiene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ,4,6-Trichlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ,4,5-Trichlorophenol | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Chloronaphthalene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Nitroaniline | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| imethyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| cenaphthylene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ,6-Dinitrotoluene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Nitroaniline | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| cenaphthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ,4-Dinitrophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ibenzofuran | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ,4-Dinitrotoluene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Nitrophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| iethyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| luorene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Chlorophenylphenylether | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Nitroaniline | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Methyl-4,6-dinitrophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Nitrosodiphenylamine | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| -Bromophenylphenylether | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| exachlorobenzene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| entachlorophenol | U | ug/kg | 970 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| henanthrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| nthracene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| arbazole | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| i-n-butyl phthalate | 290 B | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| luoranthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| yrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| utylbenzyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| enzo(a)anthracene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| ,3-Dichlorobenzidine | U | ug/kg | 490 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| hrysene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| is-2-ethylhexyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| i-n-octyl phthalate | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| enzo(b)fluoranthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |



C 64 NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Benzo(a)pyrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Dibenzo(a,h)anthracene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Benzo(g,h,i)perylene | U | ug/kg | 240 | 20-OCT-99 | EPA 8270 | 98-051-9454 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 1200 | ug/kg | A | 7.9 |
| UNKNOWN | 210 | ug/kg | J | 17.26 |
| UNKNOWN | 220 | ug/kg | J | 17.53 |
| UNKNOWN | 240 | ug/kg | J | 18.07 |
| UNKNOWN | 270 | ug/kg | J | 18.3 |
| UNKNOWN | 210 | ug/kg | J | 18.42 |
| UNKNOWN | 210 | ug/kg | J | 18.82 |
| UNKNOWN | 280 | ug/kg | J | 19.97 |
| UNKNOWN | 300 | ug/kg | J | 20.64 |
| UNKNOWN | 360 | ug/kg | J | 21.49 |
| UNKNOWN | 530 | ug/kg | J | 21.84 |
| UNKNOWN | 660 | ug/kg | J | 22.16 |
| UNKNOWN | 270 | ug/kg | J | 28.01 |
| UNKNOWN | 240 | ug/kg | J | 32.1 |
| UNKNOWN | 3400 | ug/kg | JB | 35.55 |
| UNKNOWN | 240 | ug/kg | J | 36.61 |
| UNKNOWN | 380 | ug/kg | JB | 37.59 |
| UNKNOWN | 410 | ug/kg | J | 42.58 |
| UNKNOWN | 220 | ug/kg | J | 44.98 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 87 | % | 98-051-9454 |
| 2-Fluorophenol | 60 | % | 98-051-9454 |
| Phenol-d5 | 72 | % | 98-051-9454 |
| 2,4,6-Tribromophenol | 75 | % | 98-051-9454 |
| Nitrobenzene-d5 | 60 | % | 98-051-9454 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID :L39569-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB1100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | 68 | % | | | | 98-051-9454 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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Tugar 1 1F 10/21

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9454.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 19

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | C |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 7.90 | 1200 | A |
| 2. | Unknown 17.26 | ~~17.8~~ 17.26 | 210 | J |
| 3. | | 17.53 | 220 | |
| 4. | | 18.07 | 240 | |
| 5. | | 18.30 | 270 | |
| 6. | | 18.42 | 210 | |
| 7. | | 18.82 | 210 | |
| 8. | | 19.97 | 280. | |
| 9. | | 20.64 | 300 | |
| 10. | | 21.49 | 360 | |
| 11. | | 21.84 ~~22.84~~ | 530 | |
| 12. | | 22.16 | 660 | |
| 13. | | 28.01 | 270 | JB |
| 14. | | 32.10 | 240 | J |
| 15. | | 35.55 | 3400 | JB |
| 16. | | 36.61 | 240 | J |
| 17. | | 37.59 | 380 | JB |
| 18. | | 42.58 | 410 | |
| 19. | | 44.98 | 220 | J |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
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| 30. | | | | |

FORM I-CLP-SV-TIC

R13559 LM 10/21/99

RB, 10/21

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2284

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight

Number TICs found: 3

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.19 | 1100 | J |
| 2. | | 30.94 | 670 | |
| 3. | | 31.10 | 700 | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 15-NOV-1999

LAB SAMPLE ID : L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 4290 | mg/kg | 8.43 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | 40.9 | mg/kg | 5.62 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | 192 | mg/kg | 13.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 542 | mg/kg | 1.80 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 5.02 | mg/kg | 0.225 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | 4.71 | mg/kg | 0.5630 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 37200 | mg/kg | 56.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 27.5 | mg/kg | 1.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 50.5 | mg/kg | 1.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 48.6 | mg/kg | 1.92 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 9880 | mg/kg | 4.50 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 54.4 | mg/kg | 4.95 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 10900 | mg/kg | 56.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 481 | mg/kg | 0.563 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.043 | mg/kg | 0.0120 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 57.2 | mg/kg | 1.35 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 1340 | mg/kg | 56.1 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | 171 | mg/kg | 7.87 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | 5.19 | mg/kg | 1.13 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 1020 | mg/kg | 22.4 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Thallium | 197 | mg/kg | 7.31 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 15-NOV-1999

LAB SAMPLE ID :L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 55.5 | mg/kg | 1.13 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 91.7 | mg/kg | 2.25 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Vinyl chloride | U | ug/kg | 250 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Chloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Bromomethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1-Dichloroethene | 5300 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Acetone | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Carbon disulfide | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Methylene chloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| trans-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| cis-1,2-Dichloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3100 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Chloroform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1,1-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Carbon tetrachloride | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Benzene | 5900 | ug/kg | 87 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,2-Dichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Trichloroethene | 5000 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,2-Dichloropropane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Bromodichloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| cis-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Methyl isobutyl ketone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Toluene | 6200 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| trans-1,3-Dichloropropene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1,2-Trichloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Tetrachloroethene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 2-Hexanone | U | ug/kg | 1200 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Dibromochloromethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Chlorobenzene | 5600 | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Ethylbenzene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| p-Xylene/m-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| o-Xylene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Styrene | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| Bromoform | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 620 | 08-OCT-99 | EPA 8260 | 99-187-F2286 |



QC D NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 15-NOV-1999

LAB SAMPLE ID :L39569-7

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| ORIGIN | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 97 | % | | | | 99-187-F2286 |
| Toluene-d8 | 104 | % | | | | 99-187-F2286 |
| 4-Bromofluorobenzene | 109 | % | | | | 99-187-F2286 |
| Analysis Comment: Results Calculated on a dry weight basis. | | | | | | |
| EPA 8081 | | | | | | |
| Lindane (gamma-BHC) | 76 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Heptachlor | 126 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Aldrin | 71 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Dieldrin | 77 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Endrin | 87 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| 4,4'-DDT | 73 | % | | 25-OCT-99 | EPA 8081 | 99-127-8198 |
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 77 | % | | | | 99-127-8198 |
| Analysis Comment: Extracted past holding time. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | 1600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Phenol | 3600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Chlorophenol | 3700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,3-Dichlorobenzene | 790 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,4-Dichlorobenzene | 870 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,2-Dichlorobenzene | 950 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Bis(2-chloroisopropylether) | 1400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Methylphenol | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachloroethane | 790 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| N-Nitrosodi-N-propylamine | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 3-Methylphenol/4-Methylphenol | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Nitrobenzene | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Isophorone | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Nitrophenol | 3600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4-Dimethylphenol | 3100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Bis(2-chloroethoxymethane) | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FLI
FRIEND LABORATORY · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 15-NOV-1999

LAB SAMPLE ID : L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2,4-Dichlorophenol | 3700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 1,2,4-Trichlorobenzene | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Naphthalene | 1500 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Chloroaniline | 1300 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachlorobutadiene | 950 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Chloro-3-methylphenol | 3600 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Methylnaphthalene | 1400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachlorocyclopentadiene | 530 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4,6-Trichlorophenol | 3900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4,5-Trichlorophenol | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Chloronaphthalene | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Nitroaniline | 2000 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Dimethyl phthalate | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Acenaphthylene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,6-Dinitrotoluene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 3-Nitroaniline | 1300 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Acenaphthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4-Dinitrophenol | 2900 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Dibenzofuran | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2,4-Dinitrotoluene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Nitrophenol | 4400 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Diethyl phthalate | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Fluorene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Chlorophenylphenylether | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Nitroaniline | 1600 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 2-Methyl-4,6-dinitrophenol | 4100 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| N-Nitrosodiphenylamine | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 4-Bromophenylphenylether | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Hexachlorobenzene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Pentachlorophenol | 3900 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Phenanthrene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Anthracene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Carbazole | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Di-n-butyl phthalate | 1900 B | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Fluoranthene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Pyrene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Butylbenzyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(a)anthracene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| 3,3-Dichlorobenzidine | 1200 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Chrysene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Bis-2-ethylhexyl phthalate | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Di-n-octyl phthalate | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |



NC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: John R. Kent
Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 15-NOV-1999

LAB SAMPLE ID : L39569-7

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MS,S-ALFBMS100599 |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(b)fluoranthene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(k)fluoranthene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(a)pyrene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Indeno(1,2,3-cd)pyrene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Dibenzo(a,h)anthracene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Benzo(g,h,i)perylene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9455 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 75 | % | | | | 98-051-9455 |
| 2-Fluorophenol | 58 | % | | | | 98-051-9455 |
| Phenol-d5 | 66 | % | | | | 98-051-9455 |
| 2,4,6-Tribromophenol | 73 | % | | | | 98-051-9455 |
| Nitrobenzene-d5 | 57 | % | | | | 98-051-9455 |
| 2-Fluorobiphenyl | 58 | % | | | | 98-051-9455 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 90.45 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 4500 | mg/kg | 7.84 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 5.22 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 12.5 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 51.9 | mg/kg | 1.68 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.209 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.5220 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 39000 | mg/kg | 52.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 8.15 | mg/kg | 1.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 3.58 | mg/kg | 1.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 15.8 | mg/kg | 1.77 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 10300 | mg/kg | 4.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 6.49 | mg/kg | 4.60 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 13400 | mg/kg | 52.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 384 | mg/kg | 0.522 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | U | mg/kg | 0.0100 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 10 | mg/kg | 1.26 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 647 | mg/kg | 52.2 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 7.32 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.05 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 91.8 | mg/kg | 20.9 | 12-OCT-99 | EPA 6010 | 99-178-08 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.79 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 6.89 | mg/kg | 1.05 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 51.5 | mg/kg | 2.09 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Vinyl chloride | U | ug/kg | 260 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Chloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Bromomethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1-Dichloroethene | 5700 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Acetone | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Carbon disulfide | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Methylene chloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| trans-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| cis-1,2-Dichloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Chloroform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1,1-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Carbon tetrachloride | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Benzene | 6600 | ug/kg | 92 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,2-Dichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Trichloroethene | 5600 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,2-Dichloropropane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Bromodichloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| cis-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Toluene | 6900 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| trans-1,3-Dichloropropene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1,2-Trichloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Tetrachloroethene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Dibromochloromethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Chlorobenzene | 6200 | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Ethylbenzene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| p-Xylene/m-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| o-Xylene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Styrene | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 660 | 08-OCT-99 | EPA 8260 | 99-187-F2287 |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 95 | % | | | | 99-187-F2287 |
| Toluene-d8 | 107 | % | | | | 99-187-F2287 |
| 4-Bromofluorobenzene | 117 | % | | | | 99-187-F2287 |
| Analysis Comment: Results Calculated on a dry weight basis. | | | | | | |
| EPA 8081 | | | | | | |
| Lindane (gamma-BHC) | 76 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Heptachlor | 140 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Aldrin | 71 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Dieldrin | 77 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Endrin | 87 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| 4,4'-DDT | 73 | % | | 25-OCT-99 | EPA 8081 | 99-127-8199 |
| Extraction Information: | | | | 20-OCT-99 | | 99-154-75 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 81 | % | | | | 99-127-8199 |
| Analysis Comment: Results extracted past holding time. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Phenol | 3200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Chlorophenol | 3200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,3-Dichlorobenzene | 770 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,4-Dichlorobenzene | 790 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,2-Dichlorobenzene | 860 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Bis(2-chloroisopropylether) | 1200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Methylphenol | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachloroethane | 740 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| N-Nitrosodi-N-propylamine | 1500 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 3-Methylphenol/4-Methylphenol | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Nitrobenzene | 1500 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Isophorone | 1700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Nitrophenol | 3400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dimethylphenol | 2700 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Bis(2-chloroethoxymethane) | 1600 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dichlorophenol | 3400 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 1,2,4-Trichlorobenzene | 1200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE 22-NOV-1999

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| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION | L39569-6 |
| SAMPLED ON | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Naphthalene | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Chloroaniline | 1200 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachlorobutadiene | 910 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Chloro-3-methylphenol | 3500 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Methylnaphthalene | 1300 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachlorocyclopentadiene | 460 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4,6-Trichlorophenol | 3900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4,5-Trichlorophenol | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Chloronaphthalene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Nitroaniline | 2100 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Dimethyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Acenaphthylene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,6-Dinitrotoluene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 3-Nitroaniline | 1400 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Acenaphthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dinitrophenol | 3100 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Dibenzofuran | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2,4-Dinitrotoluene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Nitrophenol | 4700 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Diethyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Fluorene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Chlorophenylphenylether | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Nitroaniline | 1600 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 2-Methyl-4,6-dinitrophenol | 4200 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| N-Nitrosodiphenylamine | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 4-Bromophenylphenylether | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Hexachlorobenzene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Pentachlorophenol | 4200 | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Phenanthrene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Anthracene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Carbazole | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Di-n-butyl phthalate | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Fluoranthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Pyrene | 2200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Butylbenzyl phthalate | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(a)anthracene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| 3,3-Dichlorobenzidine | 1100 | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Chrysene | 2100 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Bis-2-ethylhexyl phthalate | 2200 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Di-n-octyl phthalate | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(b)fluoranthene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(k)fluoranthene | 2000 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |



QC NY 10252 NJ 73168 PA 68160 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-NOV-1999

LAB SAMPLE ID : L39569-8

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | L39569-6MSD/DUP,S-ALFBMSD |
| DESCRIPTION : | L39569-6 |
| SAMPLED ON : | 05-OCT-99 12:50 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(a)pyrene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Indeno(1,2,3-cd)pyrene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Dibenzo(a,h)anthracene | 1900 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Benzo(g,h,i)perylene | 1800 | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9456 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 74 | % | | | | 98-051-9456 |
| 2-Fluorophenol | 46 | % | | | | 98-051-9456 |
| Phenol-d5 | 54 | % | | | | 98-051-9456 |
| 2,4,6-Tribromophenol | 70 | % | | | | 98-051-9456 |
| Nitrobenzene-d5 | 43 | % | | | | 98-051-9456 |
| 2-Fluorobiphenyl | 52 | % | | | | 98-051-9456 |

Analysis Comment: Dry weight basis.B-Compound was detected in the associated method blank.



QC NY 10252 NJ 73168 PA 68160 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFB2A100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 83.06 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 8640 | mg/kg | 9.27 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 6.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 14.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 187 | mg/kg | 1.98 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | 0.504 | mg/kg | 0.247 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.6180 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 5680 | mg/kg | 61.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Chromium | 11.9 | mg/kg | 1.24 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.24 | mg/kg | 1.24 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 115 | mg/kg | 2.10 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 18300 | mg/kg | 4.94 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 110 | mg/kg | 5.44 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 1940 | mg/kg | 61.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 692 | mg/kg | 0.618 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.085 | mg/kg | 0.0120 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13.7 | mg/kg | 1.48 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 825 | mg/kg | 61.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 8.65 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 1.24 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 196 | mg/kg | 24.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 8.04 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 15.3 | mg/kg | 1.24 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 92.4 | mg/kg | 2.47 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Vinyl chloride | U | ug/kg | 270 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Chloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Bromomethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Acetone | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Carbon disulfide | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Methylene chloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| trans-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| cis-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Chloroform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1,1-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Carbon tetrachloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Benzene | U | ug/kg | 94 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,2-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Trichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,2-Dichloropropane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Bromodichloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| cis-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Toluene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| trans-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1,2-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Tetrachloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Dibromochloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Chlorobenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Ethylbenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| p-Xylene/m-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| o-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| Styrene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2282 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 710 | ug/kg | J | 5.86 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 91 | % | 99-187-F2282 |
| Toluene-d8 | 104 | % | 99-187-F2282 |
| 4-Bromofluorobenzene | 106 | % | 99-187-F2282 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| beta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Lindane (gamma-BHC) | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| delta-BHC | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Heptachlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Aldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Heptachlor epoxide | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| alpha-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endosulfan I | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| gamma-Chlordane | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| 4,4'-DDE | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Dieldrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endrin | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endosulfan II | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| 4,4'-DDD | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endrin ketone | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endrin aldehyde | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Endosulfan sulfate | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| 4,4'-DDT | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Methoxychlor | U | mg/kg | 0.004 | 25-OCT-99 | EPA 8081 | 99-127-8192 |
| Toxaphene | U | mg/kg | 0.04 | 25-OCT-99 | EPA 8081 | 99-127-8192 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 19 * | % | | | | 99-127-8192 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8192 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 19 * | % | | | | 99-127-8192 |
| Analysis Comment: Results calculated on a dry weight basis. *Surrogate below limits. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Phenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Chlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 1,3-Dichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 1,4-Dichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 1,2-Dichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Bis(2-chloroisopropylether) | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Methylphenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachloroethane | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Nitrobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Isophorone | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Nitrophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dimethylphenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dichlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Naphthalene | 86 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Chloroaniline | U | ug/kg | 590 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachlorobutadiene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Chloro-3-methylphenol | U | ug/kg | 590 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Methylnaphthalene | 91 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachlorocyclopentadiene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4,6-Trichlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4,5-Trichlorophenol | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Chloronaphthalene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Nitroaniline | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Dimethyl phthalate | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Acenaphthylene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,6-Dinitrotoluene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 3-Nitroaniline | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Acenaphthene | 120 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dinitrophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Dibenzofuran | 76 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2,4-Dinitrotoluene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Nitrophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Diethyl phthalate | 79 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Fluorene | 99 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Chlorophenylphenylether | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Nitroaniline | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| N-Nitrosodiphenylamine | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 4-Bromophenylphenylether | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Hexachlorobenzene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Pentachlorophenol | U | ug/kg | 1200 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Phenanthrene | 1600 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Anthracene | 290 J | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Carbazole | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Di-n-butyl phthalate | 1300 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Fluoranthene | 2000 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Pyrene | 2100 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Butylbenzyl phthalate | 480 B | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(a)anthracene | 1100 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| 3,3-Dichlorobenzidine | U | ug/kg | 590 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Chrysene | 1100 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Bis-2-ethylhexyl phthalate | 420 B | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Di-n-octyl phthalate | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(b)fluoranthene | 1700 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | 610 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(a)pyrene | 1000 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Indeno(1,2,3-cd)pyrene | 450 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Dibenzo(a,h)anthracene | U | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Benzo(g,h,i)perylene | 470 | ug/kg | 300 | 22-OCT-99 | EPA 8270 | 98-051-9474 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 400 | ug/kg | A | 7.83 |
| UNKNOWN | 360 | ug/kg | J | 22.63 |
| UNKNOWN | 320 | ug/kg | J | 25.28 |
| UNKNOWN | 310 | ug/kg | J | 26.07 |
| UNKNOWN | 380 | ug/kg | J | 28.8 |
| UNKNOWN | 320 | ug/kg | J | 28.89 |
| UNKNOWN | 330 | ug/kg | J | 29.12 |
| UNKNOWN | 480 | ug/kg | J | 29.8 |
| UNKNOWN | 670 | ug/kg | J | 32.85 |
| UNKNOWN | 700 | ug/kg | J | 34.5 |
| UNKNOWN | 360 | ug/kg | J | 34.81 |
| UNKNOWN | 310 | ug/kg | J | 34.93 |
| UNKNOWN | 3400 | ug/kg | JB | 35.52 |
| UNKNOWN | 300 | ug/kg | J | 36.58 |
| UNKNOWN | 430 | ug/kg | J | 37.56 |
| UNKNOWN | 720 | ug/kg | J | 39.67 |
| UNKNOWN | 920 | ug/kg | J | 39.8 |
| UNKNOWN | 1400 | ug/kg | J | 42.38 |
| UNKNOWN | 560 | ug/kg | J | 42.69 |
| UNKNOWN | 360 | ug/kg | J | 46.14 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 94 | % | 98-051-9474 |
| 2-Fluorophenol | 58 | % | 98-051-9474 |
| Phenol-d5 | 80 | % | 98-051-9474 |
| 2,4,6-Tribromophenol | 72 | % | 98-051-9474 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-9

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2A100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Nitrobenzene-d5 | 62 | % | | | | 98-051-9474 |
| 2-Fluorobiphenyl | 69 | % | | | | 98-051-9474 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: 139569-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2282

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) ~~µg/Kg~~ dry weight

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 5.86 | 710 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9474.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) ug/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 7.83 | 400 | A |
| 2. | Unknown | 22.63 | 360 | J |
| 3. | | 25.28 | 320 | |
| 4. | | 26.07 | 310 | |
| 5. | | 28.80 | 380 | |
| 6. | | 28.89 | 320 | |
| 7. | | 29.12 | 330 | |
| 8. | | 29.80 | 490 | |
| 9. | | 32.85 | 670 | |
| 10. | | 34.50 | 700 | |
| 11. | | 34.81 | 360 | |
| 12. | | 34.93 | 310 | |
| 13. | | 35.52 | 3400 | JB |
| 14. | | 36.58 | 300 | J |
| 15. | | 37.56 | 430 | |
| 16. | | 39.67 | 720 | |
| 17. | | 39.86 | 920 | |
| 18. | | ~~40.92~~ | ~~250~~ | |
| 19. | | 42.38 | 1400 | |
| 20. | | 42.69 | 560 | |
| 21. | | 46.14 | 360 | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

10/25



R136665

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFPCBA100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 88.24 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1221 | U | mg/kg | 0.2 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1232 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1242 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1248 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1254 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1260 | 0.14 | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 106 | % | | | | 99-108-2892 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC RA NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-11

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFPCBB100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 13:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 81.24 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1221 | U | mg/kg | 0.2 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1232 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1242 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1248 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1254 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1260 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 94 | % | | | | 99-108-2893 |

Analysis Comment: PCB results are calculated on a dry weight basis.



C NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-12

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFPCBC100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:00 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 92.22 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1221 | U | mg/kg | 0.12 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1232 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1242 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1248 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1254 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1260 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 114 | % | | | | 99-108-2894 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2B100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 92.85 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| Aluminum | 5700 | mg/kg | 7.40 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Antimony | U | mg/kg | 4.93 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Arsenic | U | mg/kg | 11.8 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Barium | 38 | mg/kg | 1.58 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Beryllium | U | mg/kg | 0.197 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cadmium | U | mg/kg | 0.4930 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Calcium | 84900 | mg/kg | 990 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Chromium | 7.71 | mg/kg | 0.987 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Cobalt | 4.37 | mg/kg | 0.987 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Copper | 18.9 | mg/kg | 1.68 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Iron | 13000 | mg/kg | 3.95 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Lead | 7.46 | mg/kg | 4.34 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Magnesium | 10900 | mg/kg | 49.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Manganese | 633 | mg/kg | 0.493 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Mercury | 0.036 | mg/kg | 0.0100 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | 13.2 | mg/kg | 1.18 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Potassium | 585 | mg/kg | 49.3 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Selenium | U | mg/kg | 6.91 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Silver | U | mg/kg | 0.987 | 15-OCT-99 | EPA 6010 | 99-178-10 |
| Sodium | 93.7 | mg/kg | 19.7 | 12-OCT-99 | EPA 6010 | 99-178-08 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2B100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Thallium | U | mg/kg | 6.41 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Vanadium | 8.11 | mg/kg | 0.987 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| Zinc | 51.6 | mg/kg | 1.97 | 12-OCT-99 | EPA 6010 | 99-178-08 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Vinyl chloride | U | ug/kg | 270 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Chloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Bromomethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Acetone | U | ug/kg | 3400 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Carbon disulfide | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Methylene chloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| trans-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| cis-1,2-Dichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Methyl ethyl ketone (2-Butanone) | U | ug/kg | 3400 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Chloroform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1,1-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Carbon tetrachloride | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Benzene | U | ug/kg | 94 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,2-Dichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Trichloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,2-Dichloropropane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Bromodichloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| cis-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Methyl isobutyl ketone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Toluene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| trans-1,3-Dichloropropene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1,2-Trichloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Tetrachloroethene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 2-Hexanone | U | ug/kg | 1300 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Dibromochloromethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Chlorobenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Ethylbenzene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| p-Xylene/m-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| o-Xylene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| Styrene | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFB2B100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Bromoform | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |
| 1,1,2,2-Tetrachloroethane | U | ug/kg | 670 | 08-OCT-99 | EPA 8260 | 99-187-F2283 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 740 | ug/kg | J | 6 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Dibromofluoromethane | 96 | % | 99-187-F2283 |
| Toluene-d8 | 107 | % | 99-187-F2283 |
| 4-Bromofluorobenzene | 110 | % | 99-187-F2283 |

Analysis Comment: Results Calculated on a dry weight basis.

EPA 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| alpha-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| beta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Lindane (gamma-BHC) | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| delta-BHC | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Heptachlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Aldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Heptachlor epoxide | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| alpha-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endosulfan I | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| gamma-Chlordane | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| 4,4'-DDE | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Dieldrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endrin | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endosulfan II | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| 4,4'-DDD | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endrin ketone | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endrin aldehyde | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Endosulfan sulfate | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| 4,4'-DDT | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Methoxychlor | U | mg/kg | 0.003 | 25-OCT-99 | EPA 8081 | 99-127-8193 |
| Toxaphene | U | mg/kg | 0.03 | 25-OCT-99 | EPA 8081 | 99-127-8193 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2B100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 88 | % | | | | 99-127-8193 |
| Analysis Comment: Results are calculated on a dry weight basis. | | | | | | |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1221 | U | mg/kg | 0.02 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1232 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1242 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1248 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1254 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| PCB 1260 | U | mg/kg | 0.01 | 25-OCT-99 | EPA 8082 | 99-127-8193 |
| Extraction Information: | | | | 19-OCT-99 | | 99-154-73 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 88 | % | | | | 99-127-8193 |
| Analysis Comment: Results calculated on a dry weight basis. | | | | | | |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Phenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Chlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 1,3-Dichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 1,4-Dichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 1,2-Dichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Bis(2-chloroisopropylether) | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Methylphenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachloroethane | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| N-Nitrosodi-N-propylamine | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 3-Methylphenol/4-Methylphenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Nitrobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Isophorone | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Nitrophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dimethylphenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Bis(2-chloroethoxymethane) | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dichlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2B100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Naphthalene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Chloroaniline | U | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachlorobutadiene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Chloro-3-methylphenol | U | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Methylnaphthalene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachlorocyclopentadiene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4,6-Trichlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4,5-Trichlorophenol | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Chloronaphthalene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Nitroaniline | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Dimethyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Acenaphthylene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,6-Dinitrotoluene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 3-Nitroaniline | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Acenaphthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dinitrophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Dibenzofuran | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2,4-Dinitrotoluene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Nitrophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Diethyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Fluorene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Chlorophenylphenylether | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Nitroaniline | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 2-Methyl-4,6-dinitrophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| N-Nitrosodiphenylamine | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 4-Bromophenylphenylether | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Hexachlorobenzene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Pentachlorophenol | U | ug/kg | 1100 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Phenanthrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Anthracene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Carbazole | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Di-n-butyl phthalate | 270 B | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Fluoranthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Pyrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Butylbenzyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(a)anthracene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| 3,3-Dichlorobenzidine | U | ug/kg | 540 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Chrysene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Bis-2-ethylhexyl phthalate | 140 J | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Di-n-octyl phthalate | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(b)fluoranthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-13

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFB2B100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:15 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(k)fluoranthene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(a)pyrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Indeno(1,2,3-cd)pyrene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Dibenzo(a,h)anthracene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Benzo(g,h,i)perylene | U | ug/kg | 270 | 20-OCT-99 | EPA 8270 | 98-051-9451 |
| Extraction Information: | | | | 13-OCT-99 | | 99-137-65 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 4-Hydroxy-4-Methyl-2-Pentanone | 230 | ug/kg | A | 7.93 |
| UNKNOWN | 240 | ug/kg | JB | 24 |
| UNKNOWN | 390 | ug/kg | JB | 28.02 |
| UNKNOWN | 4700 | ug/kg | JB | 35.54 |
| UNKNOWN | 240 | ug/kg | J | 36.61 |
| UNKNOWN | 450 | ug/kg | JB | 37.59 |
| UNKNOWN | 530 | ug/kg | JB | 42.59 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 91 | % | 98-051-9451 |
| 2-Fluorophenol | 62 | % | 98-051-9451 |
| Phenol-d5 | 72 | % | 98-051-9451 |
| 2,4,6-Tribromophenol | 64 | % | 98-051-9451 |
| Nitrobenzene-d5 | 59 | % | 98-051-9451 |
| 2-Fluorobiphenyl | 58 | % | 98-051-9451 |

Analysis Comment: Dry weight basis. B-Compound was detected in the associated method blank.



C NY 10252 NJ 73168 PA 68160 EPA NY 00033 Approved by: Lab Director

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-5

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2281

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/Kg dry weight

Number TICs found: 2

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6.16 | 740 | J |
| 2. | b | 7.08 | 700 | J |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
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| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
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| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39569-13

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 2283

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

% Moisture: not dec. _____ Date Analyzed: 10/8/99

GC Column: _____ ID: _____ (mm) Dilution Factor: 1:50

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) ~~µg/Kg~~ dry weight

Number TICs found: 1

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | unknown | 6. | 740 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
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| 14. | | | | |
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| 30. | | | | |

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix (soil/water) _____ Lab Sample ID: L39569-13

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9451.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 7

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 123-42-2 | 4-hydroxy-4-methyl-2-Pentanone | 7.93 | 230 | A |
| 2. | Unknown | 24.00 | 240 | JB |
| 3. | | 28.02 | 390 | |
| 4. | | 35.54 | 4700 | |
| 5. | | 36.61 | 240 | J |
| 6. | | 37.59 | 450 | JB |
| 7. | | 42.59 | 530 | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
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| 12. | | | | |
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FORM I-CLP-SV-TIC

VB, 10/12(

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: OCTOBER 7, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Sample Site: AMERICAN LA FRANCE

P.O. #

CLIENT: ADDRESS: FDGAW

PHONE: FAX:

INVOICE TO: ADDRESS:

PROJECT NO. / NAME: 97.150

COPY TO: ADDRESS:

L3964 ~~L20468~~

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES REQUESTED | SAMPLE NUMBER |
|---|---|---|---|---|
| October 7, 1999 3:00 | WALFGWDUP100799 | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | FULL TCL ANALYSIS PER CONTRACT | -1 |
| | T.B. | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | 95-045-90-25 | -2 |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other | | |

LAB USE ONLY

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-8-99 1140 | | 10/8/99 1140 | temp 0.0 pH 7.7 |
| | | | 15:19 10/8/99 | |

SUSPECTED CONTAMINATION LEVEL

NONE SLIGHT MODERATE HIGH (please circle)

# Laboratory Chronicle

FLI
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Vol.

Fraction/Parameter 8260

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39648-1 | | | | |
| | L39648-2 | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon McDermott | 10/11/99 | 9:45 | Scott J. Borynchuk | ~~9:45~~ 10-11-99 | 9:45 | |
| 1 | Scott J. Borynchuk | 10-14-99 | 11:30 | [illegible] | 10/14/99 | 11:30 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semi Vol.

Fraction/Parameter 8270

SDG/Project Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 1391648-1 | | | | |
| | | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/14/99 | 1600 | [illegible] | 10/14/99 | 16:00 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department: Semi-Vol

Fraction/Parameter: 8081/8082

SDG/Project: Fagan/American LaFrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 139648-1 | | | | |
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| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/12/99 | 1300 | RC Colbaugh | 10/12/99 | 13:00 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

FLI
FRIEND LABORATORY INC

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Lab Department Metals

SDG/Project Fagan/American LaFrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | 1391648-1 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Barnett | 10/11/99 | 8:54 | Joe Burleigh | 10/11/99 | 8:54 | |
| 1 | Joe Burleigh | 10/13/99 | 8:20 | Shannon M Barnett | 10/13/99 | 8:20 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 1.67 | mg/l | 0.075 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| Antimony | U | mg/l | 0.050 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Arsenic | U | mg/l | 0.002 | 14-OCT-99 | EPA 7062 | 97-198-30 |
| Barium | 0.167 | mg/l | 0.016 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Beryllium | U | mg/l | 0.002 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Cadmium | U | mg/l | 0.0050 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Calcium | 151 | mg/l | 0.500 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| Chromium | U | mg/l | 0.010 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Cobalt | U | mg/l | 0.010 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Copper | U | mg/l | 0.017 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Iron | 1.31 | mg/l | 0.040 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Lead | 0.007 | mg/l | 0.001 | 13-OCT-99 | EPA 7421 | 98-194-46 |
| Magnesium | 29.8 | mg/l | 0.500 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Manganese | 1.55 | mg/l | 0.005 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Mercury | U | mg/l | 0.0002 | 13-OCT-99 | EPA 7470 | 98-126-46 |
| Nickel | U | mg/l | 0.012 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Potassium | 4.99 | mg/l | 0.500 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Selenium | U | mg/l | 0.002 | 15-OCT-99 | EPA 7742 | 96-080-53 |
| Silver | U | mg/l | 0.010 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| Sodium | 30.5 | mg/l | 0.200 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Thallium | U | mg/l | 0.001 | 19-OCT-99 | EPA 7841 | 98-187-58 |



QC PK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGWDUP100799 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED | 08-OCT-99 15:19 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 14-OCT-99 | EPA 6010 | 99-178-09 |
| Zinc | 0.06 | mg/l | 0.020 | 22-OCT-99 | EPA 6010 | 99-178-12 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Vinyl chloride | U | ug/l | 2 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Chloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Bromomethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Acetone | U | ug/l | 25 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Carbon disulfide | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Methylene chloride | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1-Dichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Chloroform | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Carbon tetrachloride | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Benzene | U | ug/l | 0.7 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,2-Dichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Trichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,2-Dichloropropane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Bromodichloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Methyl isobutyl ketone | U | ug/l | 10 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Toluene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Tetrachloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 2-Hexanone | U | ug/l | 10 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Dibromochloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Chlorobenzene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Ethylbenzene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| o-Xylene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Styrene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| Bromoform | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9447 |



QC OK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 104 | % | | | | 99-158-9447 |
| Toluene-d8 | 99 | % | | | | 99-158-9447 |
| 4-Bromofluorobenzene | 104 | % | | | | 99-158-9447 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| beta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| delta-BHC | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Heptachlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Aldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Heptachlor epoxide | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endosulfan I | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| 4,4'-DDE | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Dieldrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endrin | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endosulfan II | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| 4,4'-DDD | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endrin aldehyde | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Endosulfan sulfate | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| 4,4'-DDT | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Methoxychlor | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Chlordane | U | ug/l | 0.05 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Toxaphene | U | ug/l | 0.53 | 15-OCT-99 | EPA 8081 | 99-127-8073 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-62 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: Tetrachloro-m-xylene | 82 | % | | | | 99-127-8073 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1221 | U | ug/l | 0.21 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1232 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1242 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1248 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1254 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| PCB 1260 | U | ug/l | 0.11 | 15-OCT-99 | EPA 8082 | 99-127-8073 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-62 |
| Surrogate Recovery: Tetrachloro-m-xylene | 82 | % | | | | 99-127-8073 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Phenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Chlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Methylphenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachloroethane | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Nitrobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Isophorone | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Nitrophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Naphthalene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Chloroaniline | U | ug/l | 10 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachlorobutadiene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97-150 |
| ORIGIN | W-ALFGWDUP100799 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED | 08-OCT-99 15:19 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Methylnaphthalene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Chloronaphthalene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Nitroaniline | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Dimethyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Acenaphthylene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 3-Nitroaniline | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Acenaphthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Dibenzofuran | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Nitrophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Diethyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Fluorene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Nitroaniline | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Hexachlorobenzene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Pentachlorophenol | U | ug/l | 20 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Phenanthrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Anthracene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Carbazole | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Di-n-butyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Fluoranthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Pyrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Butylbenzyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(a)anthracene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Chrysene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Di-n-octyl phthalate | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Benzo(a)pyrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97-150 |
| ORIGIN : | W-ALFGWDUP100799 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 07-OCT-99 15:00 by CLIENT |
| DATE RECEIVED : | 08-OCT-99 15:19 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | U | ug/l | 5 | 18-OCT-99 | EPA 8270 | 98-051-9419 |
| Extraction Information: | | | | 14-OCT-99 | | 99-137-66 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| UNKNOWN | 7 | ug/l | J | 17.32 |
| UNKNOWN | 8 | ug/l | J | 17.61 |
| UNKNOWN | 4 | ug/l | J | 17.76 |
| UNKNOWN | 6 | ug/l | J | 18.14 |
| UNKNOWN | 4 | ug/l | J | 18.61 |
| UNKNOWN | 5 | ug/l | J | 19.55 |
| UNKNOWN | 5 | ug/l | J | 20.7 |
| UNKNOWN | 9 | ug/l | J | 21.57 |
| UNKNOWN | 4 | ug/l | J | 21.91 |
| UNKNOWN | 13 | ug/l | J | 22.24 |
| UNKNOWN | 4 | ug/l | J | 23.83 |
| UNKNOWN | 5 | ug/l | J | 34.25 |
| UNKNOWN | 5 | ug/l | J | 38.56 |

| Surrogate Recovery: | | | |
|---|---|---|---|
| Terphenyl-d14 | 58 | % | 98-051-9419 |
| 2-Fluorophenol | 39 | % | 98-051-9419 |
| Phenol-d5 | 29 | % | 98-051-9419 |
| 2,4,6-Tribromophenol | 72 | % | 98-051-9419 |
| Nitrobenzene-d5 | 60 | % | 98-051-9419 |
| 2-Fluorobiphenyl | 58 | % | 98-051-9419 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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1 F

Fagan

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39649-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9419.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 13

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 17.32 | 7 | J |
| 2. | | 17.61 | 8 | |
| 3. | | 17.76 | 4 | |
| 4. | | 18.14 | 6 | |
| 5. | | 18.61 | 4 | |
| 6. | | 19.55 | 5 | |
| 7. | | 20.76 | 5 | |
| 8. | | 21.57 | 9 | |
| 9. | | 21.91 | 4 | |
| 10. | | 22.24 | 13 | |
| 11. | | 23.83 | 4 | |
| 12. | | 34.25 | 5 | |
| 13. | | 38.56 | 5 | |
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FORM I-CLP-SV-TIC

R13475 dm
10/19/99

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Fagan 10/2y

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39148-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9442.D

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

R13281
10/12/09

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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| 1. | | | | |
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID :L39648-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATROY, INC. |
| ORIGIN | 95-045-90-25 |
| DESCRIPTION | TRIP BLANK |
| SAMPLED ON | 07-OCT-99 00:00 by LAB |
| DATE RECEIVED | 08-OCT-99 15:19 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Vinyl chloride | U | ug/l | 2 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Chloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Bromomethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,1-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Acetone | U | ug/l | 25 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Carbon disulfide | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Methylene chloride | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,1-Dichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Chloroform | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Carbon tetrachloride | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Benzene | U | ug/l | 0.7 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,2-Dichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Trichloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,2-Dichloropropane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Bromodichloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Methyl isobutyl ketone | U | ug/l | 10 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Toluene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Tetrachloroethene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 2-Hexanone | U | ug/l | 10 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Dibromochloromethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Chlorobenzene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Ethylbenzene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| o-Xylene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Styrene | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| Bromoform | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 11-OCT-99 | EPA 8260 | 99-158-9446 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
RIEND
ABORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 26-OCT-1999

LAB SAMPLE ID : L39648-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATROY, INC. |
| ORIGIN | 95-045-90-25 |
| DESCRIPTION | TRIP BLANK |
| SAMPLED ON | 07-OCT-99 00:00 by LAB |
| DATE RECEIVED | 08-OCT-99 15:19 |
| P.O. NO. | N/A |

| nalysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| urrogate Recovery: | | | | | | |
| ibromofluoromethane | 105 | % | | | | 99-158-9446 |
| oluene-d8 | 99 | % | | | | 99-158-9446 |
| -Bromofluorobenzene | 104 | % | | | | 99-158-9446 |

| ibrary Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



C NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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our samples will be discarded after 14 days unless we are advised otherwise.

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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

10/29

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L39648-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: D9446.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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FORM I-CLP-VOA-TIC

# APPENDIX H

# TAR PIT/TANK LABORATORY RESULTS

## SITE INVESTIGATION REPORT
## AND
## REMEDIAL ACTION REPORT

## N Y S D E C
## 1996 CLEAN WATER / CLEAN AIR BOND ACT
## ENVIRONMENTAL RESTORATION PROJECTS
## T I T L E 5

## MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
## ENVIRONMENTAL RESTORATION PROJECT

## FOR THE
## FORMER AMERICAN LAFRANCE SITE
## 100 LAFRANCE STREET
## ELMIRA, NEW YORK

FLI
RIEND
ABORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 22-SEP-1999

LAB SAMPLE ID : L37275-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | S-ALFTPJ080999 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 09-AUG-99 10:40 by CLIENT |
| DATE RECEIVED : | 10-AUG-99 15:45 |
| P.O. NO. : | 97150A |

| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| tal Solids | 88.24 | % | | 11-AUG-99 | CLP 3.0 | 97-070-143 |
| uminum | 2790 | mg/kg | 8.10 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| timony | U | mg/kg | 5.40 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| senic | 13.6 | mg/kg | 12.9 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| rium | 65.2 | mg/kg | 1.73 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| ryllium | 0.673 | mg/kg | 0.216 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| dmium | U | mg/kg | 0.5400 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| lcium | 2890 | mg/kg | 54.0 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| romium | 8.18 | mg/kg | 1.08 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| balt | 4.27 | mg/kg | 1.08 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| pper | 177 | mg/kg | 1.84 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| on | 11000 | mg/kg | 4.32 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| ad | 117 | mg/kg | 4.75 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| gnesium | 287 | mg/kg | 54.0 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| nganese | 50.8 | mg/kg | 0.540 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| rcury | 0.16 | mg/kg | 0.0110 | 18-AUG-99 | EPA 7470 | 98-126-38 |
| ckel | 10.3 | mg/kg | 1.30 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| tassium | 638 | mg/kg | 54.0 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| lenium | U | mg/kg | 7.56 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| lver | U | mg/kg | 1.08 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| dium | 108 | mg/kg | 21.6 | 18-AUG-99 | EPA 6010 | 99-159-03 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-SEP-1999

LAB SAMPLE ID :L37275-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | S-ALFTPJ080999 |
| DESCRIPTION : | GRAB |
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| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| allium | U | mg/kg | 7.02 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| nadium | 19 | mg/kg | 1.08 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| nc | 57.2 | mg/kg | 2.16 | 18-AUG-99 | EPA 6010 | 99-159-03 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-SEP-1999

LAB SAMPLE ID : L37275-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | TAR S-ALFTPH1-081099 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 10-AUG-99 14:40 by CLIENT |
| DATE RECEIVED | 10-AUG-99 15:45 |
| P.O. NO. | 97150A |

| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| anide, Total | U | mg/kg | 0.581 | 18-AUG-99 | EPA 335.3 | 99-003-45 |
| tal Solids | 84.39 | % | | 11-AUG-99 | CLP 3.0 | 97-070-143 |
| uminum | 4330 | mg/kg | 8.62 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| timony | 7.21 | mg/kg | 5.74 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| senic | U | mg/kg | 13.7 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| rium | 90.3 | mg/kg | 1.84 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| yllium | 0.287 | mg/kg | 0.230 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| dmium | 0.641 | mg/kg | 0.5740 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| lcium | 12800 | mg/kg | 57.4 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| romium | 9.51 | mg/kg | 1.15 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| balt | 3.26 | mg/kg | 1.15 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| pper | 204 | mg/kg | 1.95 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| on | 18200 | mg/kg | 4.60 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| ad | 150 | mg/kg | 5.05 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| gnesium | 2500 | mg/kg | 57.4 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| nganese | 294 | mg/kg | 0.574 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| rcury | 0.071 | mg/kg | 0.0120 | 18-AUG-99 | EPA 7470 | 98-126-38 |
| ckel | 23 | mg/kg | 1.38 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| tassium | 657 | mg/kg | 57.4 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| enium | U | mg/kg | 8.04 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| ver | U | mg/kg | 1.15 | 18-AUG-99 | EPA 6010 | 99-159-03 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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LAB SAMPLE ID :L37275-2

Fagan Engineers
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Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | TAR S-ALFTPH1-081099 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 10-AUG-99 14:40 by CLIENT |
| DATE RECEIVED : | 10-AUG-99 15:45 |
| P.O. NO. : | 97150A |

| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| lium | 58.1 | mg/kg | 22.9 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| allium | U | mg/kg | 7.47 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| adium | 20.7 | mg/kg | 1.15 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| nc | 177 | mg/kg | 2.30 | 18-AUG-99 | EPA 6010 | 99-159-03 |
| 8260 | | | | | | |
| oromethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| nyl chloride | U | ug/kg | 320 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| oroethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| omomethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| -Dichloroethene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| tone | U | ug/kg | 4000 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| bon disulfide | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| hylene chloride | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| ns-1,2-Dichloroethene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| -Dichloroethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| -1,2-Dichloroethene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| hyl ethyl ketone (2-Butanone) | U | ug/kg | 4000 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| oroform | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| ,1-Trichloroethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| bon tetrachloride | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| zene | U | ug/kg | 110 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| -Dichloroethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| chloroethene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| -Dichloropropane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| modichloromethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| -1,3-Dichloropropene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| hyl isobutyl ketone | U | ug/kg | 1600 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| uene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| ns-1,3-Dichloropropene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| ,2-Trichloroethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| rachloroethene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| exanone | U | ug/kg | 1600 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| romochloromethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| orobenzene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| ylbenzene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| ylene/m-Xylene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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DATE 22-SEP-1999

LAB SAMPLE ID :L37275-2

Fagan Engineers
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Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | TAR S-ALFTPH1-081099 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 10-AUG-99 14:40 by CLIENT |
| DATE RECEIVED : | 10-AUG-99 15:45 |
| P.O. NO. : | 97150A |

| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Xylene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| yrene | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| omoform | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |
| 1,2,2-Tetrachloroethane | U | ug/kg | 800 | 19-AUG-99 | EPA 8260 | 99-157-7994 |

| brary Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| 3,5-Trimethylbenzene | 1200 | ug/kg | | 18.64 |
| 2,4-Trimethylbenzene | 2400 | ug/kg | | 19.15 |
| 2,3-Trimethylbenzene | 2000 | ug/kg | | 19.69 |
| Butylbenzene | 1200 | ug/kg | | 20.02 |
| KNOWN | 4800 | ug/kg | J | 20.35 |
| KNOWN | 6100 | ug/kg | J | 20.45 |
| KNOWN | 5600 | ug/kg | J | 20.57 |
| KNOWN | 5700 | ug/kg | J | 20.78 |
| KNOWN | 16000 | ug/kg | J | 20.94 |
| KNOWN | 9000 | ug/kg | J | 21.05 |
| KNOWN | 21000 | ug/kg | J | 21.21 |

| rrogate Recovery: | | | | |
|---|---|---|---|---|
| bromofluoromethane | 102 | % | | 99-157-7994 |
| luene-d8 | 103 | % | | 99-157-7994 |
| Bromofluorobenzene | 100 | % | | 99-157-7994 |

alysis Comment: Results Calculated on a dry weight basis.

A 8081

| | | | | | | |
|---|---|---|---|---|---|---|
| pha-BHC | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ta-BHC | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ndane (gamma-BHC) | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| lta-BHC | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ptachlor | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| drin | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ptachlor epoxide | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| pha-Chlordane | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| dosulfan I | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| mma-Chlordane | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ,'-DDE | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

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DATE 22-SEP-1999

LAB SAMPLE ID :L37275-2

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| P.O. NO. | 97150A |

| nalysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| ieldrin | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ndrin | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ndosulfan II | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ,4'-DDD | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ndrin ketone | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ndrin aldehyde | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ndosulfan sulfate | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ,4'-DDT | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| ethoxychlor | U | mg/kg | 0.05 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| oxaphene | U | mg/kg | 0.55 | 25-AUG-99 | EPA 8081 | 99-127-7521 |
| Extraction Information: | | | | 20-AUG-99 | | 99-154-10 |
| urrogate Recovery: | | | | | | |
| ecachlorobiphenyl | 110 | % | | | | 99-127-7521 |
| nalysis Comment: Pesticide results calculated on a dry weight basis. | | | | | | |
| PA 8082 | | | | | | |
| CB 1016 | U | mg/kg | 0.11 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| CB 1221 | U | mg/kg | 0.22 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| CB 1232 | U | mg/kg | 0.11 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| CB 1242 | U | mg/kg | 0.11 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| CB 1248 | U | mg/kg | 0.11 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| CB 1254 | U | mg/kg | 0.11 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| CB 1260 | U | mg/kg | 0.11 | 25-AUG-99 | EPA 8082 | 99-127-7521 |
| Extraction Information: | | | | 20-AUG-99 | | 99-154-10 |
| irrogate Recovery: | | | | | | |
| ecachlorobiphenyl | 110 | % | | | | 99-127-7521 |
| nalysis Comment: PCB results calculated on a dry weight basis. | | | | | | |
| PA 8270 | | | | | | |
| is(2-chloroethylether) | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| henol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| -Chlorophenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 3-Dichlorobenzene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4-Dichlorobenzene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 2-Dichlorobenzene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| is(2-chloroisopropylether) | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |



C _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

| | | | | | |
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| P.O. NO. | 97150A |

| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Methylphenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| xachloroethane | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitrosodi-N-propylamine | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Methylphenol/4-Methylphenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| trobenzene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| ophorone | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitrophenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4-Dimethylphenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| s(2-chloroethoxymethane) | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4-Dichlorophenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 2,4-Trichlorobenzene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| phthalene | 15000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Chloroaniline | U | ug/kg | 22000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| xachlorobutadiene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Chloro-3-methylphenol | U | ug/kg | 22000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Methylnaphthalene | 62000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| xachlorocyclopentadiene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4,6-Trichlorophenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4,5-Trichlorophenol | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Chloronaphthalene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitroaniline | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| methyl phthalate | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| enaphthylene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 6-Dinitrotoluene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitroaniline | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| enaphthene | 11000 J | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4-Dinitrophenol | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| benzofuran | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 4-Dinitrotoluene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitrophenol | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| ethyl phthalate | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| uorene | 11000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Chlorophenylphenylether | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitroaniline | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Methyl-4,6-dinitrophenol | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Nitrosodiphenylamine | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Bromophenylphenylether | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| xachlorobenzene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| ntachlorophenol | U | ug/kg | 43000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| enanthrene | 53000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| thracene | 10000 J | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| rbazole | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

e information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
ur samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
RIEND
BORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-SEP-1999

LAB SAMPLE ID :L37275-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | TAR S-ALFTPH1-081099 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 10-AUG-99 14:40 by CLIENT |
| DATE RECEIVED : | 10-AUG-99 15:45 |
| P.O. NO. : | 97150A |

| alysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| -n-butyl phthalate | 12000 B | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| uoranthene | 8900 J | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| rene | 46000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| tylbenzyl phthalate | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| nzo(a)anthracene | 16000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| 3-Dichlorobenzidine | U | ug/kg | 22000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| rysene | 26000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| s-2-ethylhexyl phthalate | 5800 J | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| -n-octyl phthalate | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| nzo(b)fluoranthene | 8000 J | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| nzo(k)fluoranthene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| nzo(a)pyrene | 12000 | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| deno(1,2,3-cd)pyrene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| benzo(a,h)anthracene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| nzo(g,h,i)perylene | U | ug/kg | 11000 | 25-AUG-99 | EPA 8270 | 98-051-9101 |
| Extraction Information: | | | | 24-AUG-99 | 3540 | 98-174-174 |

| brary Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|
| Methylnaphthalene | 60 | mg/kg | J | 16.56 |
| KNOWN | 51 | mg/kg | J | 18.07 |
| KNOWN | 100 | mg/kg | J | 18.28 |
| KNOWN | 150 | mg/kg | J | 18.52 |
| KNOWN | 70 | mg/kg | J | 18.59 |
| KNOWN | 60 | mg/kg | J | 18.85 |
| KNOWN | 120 | mg/kg | J | 19.96 |
| KNOWN | 56 | mg/kg | J | 20.27 |
| KNOWN | 64 | mg/kg | J | 20.39 |
| KNOWN | 140 | mg/kg | J | 22.95 |
| KNOWN | 90 | mg/kg | J | 23.06 |
| KNOWN | 60 | mg/kg | J | 23.8 |
| KNOWN | 56 | mg/kg | J | 24.41 |
| KNOWN | 60 | mg/kg | J | 24.62 |



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

ne information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
our samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
RIEND
ABORATORY
· N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 22-SEP-1999

LAB SAMPLE ID : L37275-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | TAR S-ALFTPH1-081099 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 10-AUG-99 14:40 by CLIENT |
| DATE RECEIVED : | 10-AUG-99 15:45 |
| P.O. NO. : | 97150A |

| alysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| KNOWN | 100 | mg/kg | J | 25.76 | | | |
| KNOWN | 89 | mg/kg | J | 25.85 | | | |
| KNOWN | 120 | mg/kg | J | 27.54 | | | |
| KNOWN | 93 | mg/kg | J | 28.87 | | | |
| KNOWN | 140 | mg/kg | J | 28.98 | | | |
| KNOWN | 64 | mg/kg | J | 32.59 | | | |
| rrogate Recovery: | | | | | | | |
| rphenyl-d14 | 136 | | % | | | | 98-051-9101 |
| Fluorophenol | 80 | | % | | | | 98-051-9101 |
| enol-d5 | 78 | | % | | | | 98-051-9101 |
| 4,6-Tribromophenol | 54 | | % | | | | 98-051-9101 |
| trobenzene-d5 | 79 | | % | | | | 98-051-9101 |
| Fluorobiphenyl | 84 | | % | | | | 98-051-9101 |

alysis Comment: Dry weight basis. Internal standard 6 out of limits low.



NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

e information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
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# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

Tagem

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L37275-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C7994.d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

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

dm 8/23/99 R12032

Number TICs found: ~~13~~ 11

SSG 8-20-99

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 108-67-8 | 1,3,5 Trimethylbenzene | ~~7.56~~ 18.64 | 1200 | 96 |
| 2. 95-63-6 | 1,2,4 Trimethylbenzene | 19.15 | 2400 | 97 |
| 3. 526-73-8 | 1,2,3 Trimethylbenzene | 19.69 | 2000 | 100 |
| 4. 104-51-8 | n-butylbenzene | 20.02 | 1200 | 19 |
| 5. | Unknown | 20.35 | ~~7300~~ 4800 | J |
| 6. | | 20.45 | 6100 | |
| 7. | | 20.57 | 5600 | |
| 8. | | 20.78 | 5700 | |
| 9. | | 20.94 | 16000 | |
| 10. | | 21.05 | 9000 | |
| 11. | | 21.21 | 21000 | |
| 12. | | 21.38 | 39000 | |
| 13. | | 21.74 | 12000 | |
| 14. | | 21.84 | 31000 | |
| 15. | | 22.16 | 14000 | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

SSG 8-20-99

tagger

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L37275-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9101

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: 2

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

Number TICs found: 20

CONCENTRATION UNITS: (µg/L or µg/Kg) mg/kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 90-12-0 | 1-methylnaphthalene ~~Unknown~~ | 16.56 | 60 | J |
| 2. | Unknown | 18.07 | 51 | |
| 3. | | 18.28 | 100 | |
| 4. | | 18.52 | 150 | |
| 5. | | 18.59 | 70 | |
| 6. | | 18.85 | 60 | |
| 7. | | 19.96 | 120 | |
| 8. | | 20.27 | 56 | |
| 9. | | 20.39 | 64 | |
| 10. | | 22.95 | 140 | |
| 11. | | 23.06 | 90 | |
| 12. | | 23.80 | 60 | |
| 13. | | 24.41 | 56 | |
| 14. | | 24.62 | 60 | |
| 15. | | 25.76 | 100 | |
| 16. | 25.85 | ~~41.42~~ | 89 | |
| 17. | | 27.54 | 120 | |
| 18. | | 28.87 | 93 | |
| 19. | | 28.98 | 140 | |
| 20. | | 32.59 | 64 | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

R12/93 8/23/99

FORM I-CLP-SV-TIC

# APPENDIX I

# MONITORING WELL GROUNDWATER LABORATORY RESULTS

SITE INVESTIGATION REPORT
AND
REMEDIAL ACTION REPORT

NYSDEC
1996 CLEAN WATER / CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECTS
TITLE 5

MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
ENVIRONMENTAL RESTORATION PROJECT

FOR THE
FORMER AMERICAN LAFRANCE SITE
100 LAFRANCE STREET
ELMIRA, NEW YORK

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: NOVEMBER 2, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: FE
ADDRESS:
PHONE: FAX:

INVOICE TO: FE
ADDRESS:

Sample Site:

P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

L41196

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 11-2-99 930 | w-ALFMW1-110299 | Description: Grab Composite Other; Matrix: DW WW (MW) Soil Air Other | Full TCL per contract **6.1 | -1 |
| 11-2-99 1000 | w-ALFMW3-110299 | Description: Grab Composite Other; Matrix: DW WW (MW) Soil Air Other | Full TCL per contract *3.2 | -2 |
| 11-2-99 | w-ALFMW3MS-110299 | Description: Grab Composite Other; Matrix: DW WW (MW) Soil Air Other | MS per contract | -3 |
| 11-2-99 | w-ALFMW3MSD-110299 | Description: Grab Composite Other; Matrix: DW WW (MW) Soil Air Other | MSD per contract | -4 |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER: [signature] | 11-2-99 5 PM | Stacey Matthews | 11/2/99 5:00 pm | *3.2 temp as received; **6.1 temp as received |
| | | Lori Jones | 11/3/99 7:30 | Received on ice (bag not opened on top of samples) |

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD



FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | $HNO_3$ pH <2 | $H_2SO_4$ pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: FE
ADDRESS:
PHONE: FAX:

INVOICE TO:
ADDRESS:

Sample Site:
P.O. # 97150

PROJECT NO. / NAME: ALF

COPY TO:
ADDRESS:

L41196

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS | ANALYSES / TESTS REQUESTED | SAMPLE NUMBER (LAB USE ONLY) |
|---|---|---|---|---|
| 11-2-99 12 pm | WALFMW2-110299 | Description: Grab Composite Other<br>Matrix: DW WW (MW) Soil Air Other | **6.1 Full TCL per contract | -5 |
| | T.B. 95-045-91-27 | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | -6 |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |
| | | Description: Grab Composite Other<br>Matrix: DW WW MW Soil Air Other | | |

| RELINQUISHED BY | DATE /TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 11-2-99 5pm | Stacey Matthews | 11/2/99 5:00pm | **6.1 temp as received |
| | | Lord Jones | 11/3/99 7:30 | Received on ice |
| | | | | SUSPECTED CONTAMINATION LEVEL<br>NONE SLIGHT MODERATE HIGH (please circle) |

# Laboratory Chronicle

**FLI**

FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Volatiles

Fraction/Parameter 8260

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L41196-1 | | | | |
| | L41196-2 | | | | |
| | L41196-3 | | | | |
| | L41196-4 | | | | |
| | L41196-5 | | | | |
| | L41196-6 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 11/4/99 | 11:10 | Scott J. Bonyuchak | 11-4-99 | 11:10 | |
| 1 | Scott J. Bonyuchak | 11-4-99 | 11-11-99 | Don Jones | 11/11/99 | 11:05 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8270

SDG/Project Fagan/American Laqfrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L41196-1 | | | | |
| | L41196-2 | | | | |
| | L41196-3 | | | | |
| | L41196-4 | | | | |
| | L41196-5 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 11-5-99 | 1035 | Heather Short | 11-5-99 | 10:40 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

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Lab Department Semivolatiles

Fraction/Parameter 8081 | 8082

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L41196-1 | | | | |
| | L41196-2 | | | | |
| | L41196-3 | | | | |
| | L41196-4 | | | | |
| | L41196-5 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 11-4-99 | 1310 | R Colbaugh | 11/4/99 | 1310 | C |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Metals

SDG/Project Fagan/American Laqrance

Fraction/Parameter

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L41196-1 | | | | |
| | L41196-2 | | | | |
| | L41196-3 | | | | |
| | L41196-4 | | | | |
| | L41196-5 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 11/4/99 | 7:15 | Joe Burleigh | 11/4/99 | 7:15 | |
| 1 | Joe Burleigh | 11/5/99 | 13:30 | Lisa [illegible] | 11-5-99 | 13:30 | |
| 2 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 06-DEC-1999

LAB SAMPLE ID : L41196-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALF-MW1-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 09:30 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 7.91 | mg/l | 0.075 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Antimony | U | mg/l | 0.050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Arsenic | 0.006 | mg/l | 0.002 | 11-NOV-99 | EPA 7062 | 97-198-34 |
| Barium | 0.199 | mg/l | 0.016 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Beryllium | U | mg/l | 0.002 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cadmium | U | mg/l | 0.0050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Calcium | 101 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Chromium | 0.01 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cobalt | U | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Copper | 0.02 | mg/l | 0.017 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Iron | 15.8 | mg/l | 0.040 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Lead | 0.01 | mg/l | 0.001 | 05-NOV-99 | EPA 7421 | 98-194-62 |
| Magnesium | 26.4 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Manganese | 0.759 | mg/l | 0.005 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Mercury | U | mg/l | 0.0002 | 10-NOV-99 | EPA 7470 | 98-126-50 |
| Nickel | U | mg/l | 0.012 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Potassium | 6.4 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Selenium | U | mg/l | 0.002 | 05-NOV-99 | EPA 7742 | 96-080-56 |
| Silver | U | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Sodium | 85.2 | mg/l | 0.200 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Thallium | U | mg/l | 0.001 | 11-NOV-99 | EPA 7841 | 98-187-67 |



QC _____ NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: _____ Lab Director

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALF-MW1-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 09:30 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | U | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Zinc | 0.065 | mg/l | 0.020 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Vinyl chloride | U | ug/l | 2 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Chloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Bromomethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,1-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Acetone | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Carbon disulfide | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Methylene chloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,1-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Chloroform | 5 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Carbon tetrachloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Benzene | U | ug/l | 0.7 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,2-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Trichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,2-Dichloropropane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Bromodichloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Methyl isobutyl ketone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Toluene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Tetrachloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 2-Hexanone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Dibromochloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Chlorobenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Ethylbenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| o-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Styrene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| Bromoform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8740 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 06-DEC-1999

LAB SAMPLE ID L41196-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
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| ORIGIN | W-ALF-MW1-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 09:30 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| **Library Search Compounds:** | **Results** | **Units** | **Qual** | **Retention Time** | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100 | % | | | | 99-157-8740 |
| Toluene-d8 | 98 | % | | | | 99-157-8740 |
| 4-Bromofluorobenzene | 92 | % | | | | 99-157-8740 |
| **EPA 8081** | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| beta-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| delta-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Heptachlor | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Aldrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Heptachlor epoxide | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Endosulfan I | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| 4,4'-DDE | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Dieldrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Endrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Endosulfan II | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| 4,4'-DDD | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Endrin aldehyde | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Endosulfan sulfate | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| 4,4'-DDT | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Methoxychlor | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Chlordane | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Toxaphene | U | ug/l | 0.5 | 11-NOV-99 | EPA 8081 | 99-127-8410 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 81 | % | | | | 99-127-8410 |
| **EPA 8082** | | | | | | |
| PCB 1016 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8410 |
| PCB 1221 | U | mg/l | 0.2 | 11-NOV-99 | EPA 8082 | 99-127-8410 |
| PCB 1232 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8410 |
| PCB 1242 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8410 |
| PCB 1248 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8410 |
| PCB 1254 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8410 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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I · N · C

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-1

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALF-MW1-110299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 02-NOV-99 09:30 by CLIENT |
| DATE RECEIVED : | 03-NOV-99 07:30 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| PCB 1260 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8410 |
| Extraction Information: | | | | 04-NOV-99 | | 99-154-94 |
| Surrogate Recovery: Tetrachloro-m-xylene | 81 | % | | | | 99-127-8410 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Phenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Chlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Methylphenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Hexachloroethane | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Nitrobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Isophorone | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Nitrophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Naphthalene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 4-Chloroaniline | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Hexachlorobutadiene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Methylnaphthalene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Chloronaphthalene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Dimethyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Acenaphthylene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 3-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Acenaphthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |



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LAB SAMPLE ID : L41196-1

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| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Dibenzofuran | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 4-Nitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Diethyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Fluorene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 4-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Hexachlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Pentachlorophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Phenanthrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Carbazole | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Di-n-butyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Butylbenzyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Benzo(a)anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Chrysene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Di-n-octyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Benzo(a)pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Benzo(g,h,i)perylene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9609 |
| Extraction Information: | | | | 05-NOV-99 | | 99-137-81 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



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| DESCRIPTION | GRAB |
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| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 5 | ug/l | J | 6.44 | | | |
| UNKNOWN | 5 | ug/l | J | 7.38 | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 61 | % | | | | | 98-051-9609 |
| 2-Fluorophenol | 35 | % | | | | | 98-051-9609 |
| Phenol-d5 | 29 | % | | | | | 98-051-9609 |
| 2,4,6-Tribromophenol | 71 | % | | | | | 98-051-9609 |
| Nitrobenzene-d5 | 59 | % | | | | | 98-051-9609 |
| 2-Fluorobiphenyl | 54 | % | | | | | 98-051-9609 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L41196-1

Sample wt/vol:_____(g/mL)_____ Lab File ID: C8740.d

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

% Moisture: not dec. _____ Date Analyzed:_____

GC Column: _____ ID: _____ (mm) Dilution Factor:_____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg)_____

Number TICs found: 0

R14207 11/8/14

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
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| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-VOA-TIC

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L41196-1

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9609.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 6.44 | 5 | J |
| 2. | ↓ | 7.38 | 5 | ↓ |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
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| 19. | | | | |
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| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

R14410 dm 11/11/99

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFMW3-110299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED : | 03-NOV-99 07:30 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 53.3 | mg/l | 0.075 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Antimony | U | mg/l | 0.050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Arsenic | 0.065 | mg/l | 0.020 | 18-NOV-99 | EPA 7062 | 97-198-35 |
| Barium | 1.17 | mg/l | 0.016 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Beryllium | 0.003 | mg/l | 0.002 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cadmium | U | mg/l | 0.0050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Calcium | 191 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Chromium | 0.057 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cobalt | 0.04 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Copper | 0.238 | mg/l | 0.017 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Iron | 104 | mg/l | 0.040 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Lead | 0.12 | mg/l | 0.020 | 08-NOV-99 | EPA 7421 | 98-194-63 |
| Magnesium | 55.9 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Manganese | 7.12 | mg/l | 0.005 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Mercury | 0.0006 | mg/l | 0.0002 | 11-NOV-99 | EPA 7470 | 98-126-51 |
| Nickel | 0.128 | mg/l | 0.012 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Potassium | 13.6 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Selenium | U | mg/l | 0.002 | 05-NOV-99 | EPA 7742 | 96-080-56 |
| Silver | U | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Sodium | 56.4 | mg/l | 0.200 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Thallium | U | mg/l | 0.001 | 11-NOV-99 | EPA 7841 | 98-187-67 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW3-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.079 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Zinc | 0.536 | mg/l | 0.020 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Vinyl chloride | U | ug/l | 2 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Chloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Bromomethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,1-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Acetone | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Carbon disulfide | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Methylene chloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,1-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Chloroform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Carbon tetrachloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Benzene | U | ug/l | 0.7 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,2-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Trichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,2-Dichloropropane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Bromodichloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Methyl isobutyl ketone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Toluene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Tetrachloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 2-Hexanone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Dibromochloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Chlorobenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Ethylbenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| o-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Styrene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| Bromoform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8742 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW3-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 95 | % | | | | 99-157-8742 |
| Toluene-d8 | 97 | % | | | | 99-157-8742 |
| 4-Bromofluorobenzene | 94 | % | | | | 99-157-8742 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| beta-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| delta-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Heptachlor | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Aldrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Heptachlor epoxide | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Endosulfan I | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| 4,4'-DDE | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Dieldrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Endrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Endosulfan II | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| 4,4'-DDD | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Endrin aldehyde | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Endosulfan sulfate | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| 4,4'-DDT | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Methoxychlor | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Chlordane | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Toxaphene | U | ug/l | 0.5 | 11-NOV-99 | EPA 8081 | 99-127-8412 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 73 | % | | | | 99-127-8412 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8412 |
| PCB 1221 | U | mg/l | 0.2 | 11-NOV-99 | EPA 8082 | 99-127-8412 |
| PCB 1232 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8412 |
| PCB 1242 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8412 |
| PCB 1248 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8412 |
| PCB 1254 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8412 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID L41196-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW3-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| PCB 1260 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8412 |
| Extraction Information: | | | | 04-NOV-99 | | 99-154-94 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 73 | % | | | | 99-127-8412 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Phenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Chlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 1,3-Dichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 1,4-Dichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 1,2-Dichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Bis(2-chloroisopropylether) | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Methylphenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Hexachloroethane | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| N-Nitrosodi-N-propylamine | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 3-Methylphenol/4-Methylphenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Nitrobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Isophorone | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Nitrophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,4-Dimethylphenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Bis(2-chloroethoxymethane) | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,4-Dichlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 1,2,4-Trichlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Naphthalene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 4-Chloroaniline | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Hexachlorobutadiene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 4-Chloro-3-methylphenol | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Methylnaphthalene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Hexachlorocyclopentadiene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,4,6-Trichlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,4,5-Trichlorophenol | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Chloronaphthalene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Dimethyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Acenaphthylene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,6-Dinitrotoluene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 3-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Acenaphthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,4-Dinitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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LAB SAMPLE ID :L41196-2

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| ORIGIN | W-ALFMW3-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Dibenzofuran | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 4-Nitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Diethyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Fluorene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 4-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Hexachlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Pentachlorophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Phenanthrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Carbazole | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Di-n-butyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Butylbenzyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Benzo(a)anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Chrysene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Di-n-octyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Benzo(a)pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Benzo(g,h,i)perylene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9610 |
| Extraction Information: | | | | 05-NOV-99 | | 99-137-81 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-2

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW3-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 4 | ug/l | J | 6.46 | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 43 | % | | | | | 98-051-9610 |
| 2-Fluorophenol | 36 | % | | | | | 98-051-9610 |
| Phenol-d5 | 30 | % | | | | | 98-051-9610 |
| 2,4,6-Tribromophenol | 80 | % | | | | | 98-051-9610 |
| Nitrobenzene-d5 | 53 | % | | | | | 98-051-9610 |
| 2-Fluorobiphenyl | 51 | % | | | | | 98-051-9610 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L41196-2

Sample wt/vol:_____(g/mL)_____ Lab File ID: C8742d

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

% Moisture: not dec. _____ Date Analyzed:_____

GC Column: _____ ID: _____ (mm) Dilution Factor:_____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg)_____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: ~~L41160~~ L41196-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9610.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 1

CONCENTRATION UNITS: (µg/L or µg/Kg) Ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 6.46 | 4 | J |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |
| 19. | | | | |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |
| 24. | | | | |
| 25. | | | | |
| 26. | | | | |
| 27. | | | | |
| 28. | | | | |
| 29. | | | | |
| 30. | | | | |

FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MS, W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 66.3 | mg/l | 0.075 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Antimony | 0.3 | mg/l | 0.050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Arsenic | 0.073 | mg/l | 0.020 | 18-NOV-99 | EPA 7062 | 97-198-35 |
| Barium | 3.06 | mg/l | 0.016 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Beryllium | 0.05 | mg/l | 0.002 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cadmium | 0.045 | mg/l | 0.0050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Calcium | 194 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Chromium | 0.263 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cobalt | 0.493 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Copper | 0.479 | mg/l | 0.017 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Iron | 110 | mg/l | 0.040 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Lead | 0.11 | mg/l | 0.020 | 08-NOV-99 | EPA 7421 | 98-194-63 |
| Magnesium | 65.5 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Manganese | 7.47 | mg/l | 0.005 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Mercury | 0.0016 | mg/l | 0.0002 | 11-NOV-99 | EPA 7470 | 98-126-51 |
| Nickel | 0.597 | mg/l | 0.012 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Potassium | 25.7 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Selenium | 0.006 | mg/l | 0.002 | 05-NOV-99 | EPA 7742 | 96-080-56 |
| Silver | 0.036 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Sodium | 64.1 | mg/l | 0.200 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Thallium | 0.017 | mg/l | 0.001 | 11-NOV-99 | EPA 7841 | 98-187-67 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MS, W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.563 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Zinc | 1.02 | mg/l | 0.020 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Vinyl chloride | U | ug/l | 2 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Chloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Bromomethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,1-Dichloroethene | 27 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Acetone | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Carbon disulfide | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Methylene chloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,1-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Chloroform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Carbon tetrachloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Benzene | 28 | ug/l | 0.7 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,2-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Trichloroethene | 29 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,2-Dichloropropane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Bromodichloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Methyl isobutyl ketone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Toluene | 29 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Tetrachloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 2-Hexanone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Dibromochloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Chlorobenzene | 28 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Ethylbenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| o-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Styrene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| Bromoform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8746 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MS, W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 93 | % | | | | 99-157-8746 |
| Toluene-d8 | 96 | % | | | | 99-157-8746 |
| 4-Bromofluorobenzene | 94 | % | | | | 99-157-8746 |
| EPA 8081 | | | | | | |
| Lindane (gamma-BHC) | 53 | % | | 11-NOV-99 | EPA 8081 | 99-127-8413 |
| Heptachlor | 54 | % | | 11-NOV-99 | EPA 8081 | 99-127-8413 |
| Aldrin | 58 | % | | 11-NOV-99 | EPA 8081 | 99-127-8413 |
| Dieldrin | 53 | % | | 11-NOV-99 | EPA 8081 | 99-127-8413 |
| Endrin | 79 | % | | 11-NOV-99 | EPA 8081 | 99-127-8413 |
| 4,4'-DDT | 59 | % | | 11-NOV-99 | EPA 8081 | 99-127-8413 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 59 | % | | | | 99-127-8413 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | 37 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Phenol | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Chlorophenol | 75 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 1,3-Dichlorobenzene | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 1,4-Dichlorobenzene | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 1,2-Dichlorobenzene | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Bis(2-chloroisopropylether) | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Methylphenol | 39 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Hexachloroethane | 33 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| N-Nitrosodi-N-propylamine | 43 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 3-Methylphenol/4-Methylphenol | 38 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Nitrobenzene | 39 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Isophorone | 39 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Nitrophenol | 84 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2,4-Dimethylphenol | 74 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Bis(2-chloroethoxymethane) | 39 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2,4-Dichlorophenol | 83 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 1,2,4-Trichlorobenzene | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Naphthalene | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 4-Chloroaniline | 30 | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Hexachlorobutadiene | 29 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 4-Chloro-3-methylphenol | 86 | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Methylnaphthalene | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Hexachlorocyclopentadiene | 16 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |



QC 4 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MS, W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | 77 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2,4,5-Trichlorophenol | 41 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Chloronaphthalene | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Nitroaniline | 43 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Dimethyl phthalate | 4.45 J | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Acenaphthylene | 37 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2,6-Dinitrotoluene | 42 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 3-Nitroaniline | 30 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Acenaphthene | 38 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2,4-Dinitrophenol | 79 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Dibenzofuran | 37 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2,4-Dinitrotoluene | 42 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 4-Nitrophenol | 49 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Diethyl phthalate | 18 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Fluorene | 38 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 4-Chlorophenylphenylether | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 4-Nitroaniline | 28 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 2-Methyl-4,6-dinitrophenol | 92 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| N-Nitrosodiphenylamine | 42 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 4-Bromophenylphenylether | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Hexachlorobenzene | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Pentachlorophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Phenanthrene | 42 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Anthracene | 38 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Carbazole | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Di-n-butyl phthalate | 27 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Fluoranthene | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Pyrene | 33 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Butylbenzyl phthalate | 12 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Benzo(a)anthracene | 32 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Chrysene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Bis-2-ethylhexyl phthalate | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Di-n-octyl phthalate | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Benzo(b)fluoranthene | 30 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Benzo(k)fluoranthene | 29 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Benzo(a)pyrene | 28 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Indeno(1,2,3-cd)pyrene | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Dibenzo(a,h)anthracene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |
| Benzo(g,h,i)perylene | 32 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9611 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-3

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MS, W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 05-NOV-99 | | 99-137-81 |
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 52 | % | | | | 98-051-9611 |
| 2-Fluorophenol | 46 | % | | | | 98-051-9611 |
| Phenol-d5 | 37 | % | | | | 98-051-9611 |
| 2,4,6-Tribromophenol | 80 | % | | | | 98-051-9611 |
| Nitrobenzene-d5 | 74 | % | | | | 98-051-9611 |
| 2-Fluorobiphenyl | 67 | % | | | | 98-051-9611 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MSD/DUP,W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 53.6 | mg/l | 0.075 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Antimony | U | mg/l | 0.050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Arsenic | 0.067 | mg/l | 0.020 | 18-NOV-99 | EPA 7062 | 97-198-35 |
| Barium | 1.2 | mg/l | 0.016 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Beryllium | 0.003 | mg/l | 0.002 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cadmium | U | mg/l | 0.0050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Calcium | 190 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Chromium | 0.067 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cobalt | 0.035 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Copper | 0.252 | mg/l | 0.017 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Iron | 112 | mg/l | 0.040 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Lead | 0.11 | mg/l | 0.020 | 08-NOV-99 | EPA 7421 | 98-194-63 |
| Magnesium | 56.9 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Manganese | 7.24 | mg/l | 0.005 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Mercury | 0.0007 | mg/l | 0.0002 | 11-NOV-99 | EPA 7470 | 98-126-51 |
| Nickel | 0.141 | mg/l | 0.012 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Potassium | 13 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Selenium | U | mg/l | 0.002 | 05-NOV-99 | EPA 7742 | 96-080-56 |
| Silver | U | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Sodium | 56.3 | mg/l | 0.200 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Thallium | U | mg/l | 0.001 | 11-NOV-99 | EPA 7841 | 98-187-67 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

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DATE 06-DEC-1999

LAB SAMPLE ID : L41196-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

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|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MSD/DUP,W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.08 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Zinc | 0.568 | mg/l | 0.020 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Vinyl chloride | U | ug/l | 2 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Chloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Bromomethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,1-Dichloroethene | 25 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Acetone | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Carbon disulfide | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Methylene chloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,1-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Chloroform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Carbon tetrachloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Benzene | 28 | ug/l | 0.7 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,2-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Trichloroethene | 29 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,2-Dichloropropane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Bromodichloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Methyl isobutyl ketone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Toluene | 29 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Tetrachloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 2-Hexanone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Dibromochloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Chlorobenzene | 28 | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Ethylbenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| o-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Styrene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| Bromoform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8747 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MSD/DUP,W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 93 | % | | | | 99-157-8747 |
| Toluene-d8 | 95 | % | | | | 99-157-8747 |
| 4-Bromofluorobenzene | 94 | % | | | | 99-157-8747 |
| EPA 8081 | | | | | | |
| Lindane (gamma-BHC) | 65 | % | | 11-NOV-99 | EPA 8081 | 99-127-8414 |
| Heptachlor | 98 | % | | 11-NOV-99 | EPA 8081 | 99-127-8414 |
| Aldrin | 87 | % | | 11-NOV-99 | EPA 8081 | 99-127-8414 |
| Dieldrin | 54 | % | | 11-NOV-99 | EPA 8081 | 99-127-8414 |
| Endrin | 87 | % | | 11-NOV-99 | EPA 8081 | 99-127-8414 |
| 4,4'-DDT | 74 | % | | 11-NOV-99 | EPA 8081 | 99-127-8414 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 77 | % | | | | 99-127-8414 |
| EPA 8270 | | | | | | |
| Bis(2-chloroethylether) | 32 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Phenol | 33 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Chlorophenol | 67 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 1,3-Dichlorobenzene | 29 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 1,4-Dichlorobenzene | 30 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 1,2-Dichlorobenzene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Bis(2-chloroisopropylether) | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Methylphenol | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Hexachloroethane | 29 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| N-Nitrosodi-N-propylamine | 38 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 3-Methylphenol/4-Methylphenol | 36 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Nitrobenzene | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Isophorone | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Nitrophenol | 75 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2,4-Dimethylphenol | 66 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Bis(2-chloroethoxymethane) | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2,4-Dichlorophenol | 77 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 1,2,4-Trichlorobenzene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Naphthalene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 4-Chloroaniline | 24 | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Hexachlorobutadiene | 26 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 4-Chloro-3-methylphenol | 82 | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Methylnaphthalene | 32 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Hexachlorocyclopentadiene | 14 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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DATE 06-DEC-1999

LAB SAMPLE ID : L41196-4

Fagan Engineers
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113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MSD/DUP,W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| 2,4,6-Trichlorophenol | 75 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2,4,5-Trichlorophenol | 42 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Chloronaphthalene | 33 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Nitroaniline | 40 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Dimethyl phthalate | 4.7 J | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Acenaphthylene | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2,6-Dinitrotoluene | 38 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 3-Nitroaniline | 26 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Acenaphthene | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2,4-Dinitrophenol | 80 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Dibenzofuran | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2,4-Dinitrotoluene | 39 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 4-Nitrophenol | 65 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Diethyl phthalate | 17 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Fluorene | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 4-Chlorophenylphenylether | 32 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 4-Nitroaniline | 20 J | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 2-Methyl-4,6-dinitrophenol | 92 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| N-Nitrosodiphenylamine | 40 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 4-Bromophenylphenylether | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Hexachlorobenzene | 32 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Pentachlorophenol | 20 | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Phenanthrene | 39 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Anthracene | 35 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Carbazole | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Di-n-butyl phthalate | 25 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Fluoranthene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Pyrene | 31 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Butylbenzyl phthalate | 12 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Benzo(a)anthracene | 29 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Chrysene | 30 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Bis-2-ethylhexyl phthalate | 34 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Di-n-octyl phthalate | 30 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Benzo(b)fluoranthene | 29 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Benzo(k)fluoranthene | 27 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Benzo(a)pyrene | 27 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Indeno(1,2,3-cd)pyrene | 30 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Dibenzo(a,h)anthracene | 27 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |
| Benzo(g,h,i)perylene | 25 | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9612 |



QC OK NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-4

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | L41196-2MSD/DUP,W-ALMW3MS |
| DESCRIPTION | L41196-2 |
| SAMPLED ON | 02-NOV-99 10:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Extraction Information: | | | | 05-NOV-99 | | 99-137-81 |
| Surrogate Recovery: | | | | | | |
| Terphenyl-d14 | 49 | % | | | | 98-051-9612 |
| 2-Fluorophenol | 42 | % | | | | 98-051-9612 |
| Phenol-d5 | 35 | % | | | | 98-051-9612 |
| 2,4,6-Tribromophenol | 79 | % | | | | 98-051-9612 |
| Nitrobenzene-d5 | 64 | % | | | | 98-051-9612 |
| 2-Fluorobiphenyl | 61 | % | | | | 98-051-9612 |



QC 24 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFMW2-110299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 02-NOV-99 12:00 by CLIENT |
| DATE RECEIVED : | 03-NOV-99 07:30 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Aluminum | 18 | mg/l | 0.075 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Antimony | U | mg/l | 0.050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Arsenic | 0.034 | mg/l | 0.020 | 18-NOV-99 | EPA 7062 | 97-198-35 |
| Barium | 0.3 | mg/l | 0.016 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Beryllium | U | mg/l | 0.002 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cadmium | U | mg/l | 0.0050 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Calcium | 137 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Chromium | 0.027 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Cobalt | 0.018 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Copper | 0.055 | mg/l | 0.017 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Iron | 36.9 | mg/l | 0.040 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Lead | 0.021 | mg/l | 0.001 | 05-NOV-99 | EPA 7421 | 98-194-62 |
| Magnesium | 41 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Manganese | 2.06 | mg/l | 0.005 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Mercury | U | mg/l | 0.0002 | 10-NOV-99 | EPA 7470 | 98-126-50 |
| Nickel | 0.042 | mg/l | 0.012 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Potassium | 8.78 | mg/l | 0.500 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Selenium | U | mg/l | 0.002 | 05-NOV-99 | EPA 7742 | 96-080-56 |
| Silver | U | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Sodium | 59.7 | mg/l | 0.200 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Thallium | U | mg/l | 0.001 | 11-NOV-99 | EPA 7841 | 98-187-67 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than
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ug/L = micrograms per liter (equivalent to parts per billion)
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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE |
| ORIGIN : | W-ALFMW2-110299 |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 02-NOV-99 12:00 by CLIENT |
| DATE RECEIVED : | 03-NOV-99 07:30 |
| P.O. NO. : | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Vanadium | 0.021 | mg/l | 0.010 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| Zinc | 0.175 | mg/l | 0.020 | 09-NOV-99 | EPA 6010 | 99-209-04 |
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Vinyl chloride | U | ug/l | 2 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Chloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Bromomethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,1-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Acetone | 41 | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Carbon disulfide | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Methylene chloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,1-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Chloroform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Carbon tetrachloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Benzene | U | ug/l | 0.7 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,2-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Trichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,2-Dichloropropane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Bromodichloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Methyl isobutyl ketone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Toluene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Tetrachloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 2-Hexanone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Dibromochloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Chlorobenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Ethylbenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| o-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Styrene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| Bromoform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8741 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW2-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 12:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Library Search Compounds: | Results | Units | Qual | Retention Time | | |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 97 | % | | | | 99-157-8741 |
| Toluene-d8 | 98 | % | | | | 99-157-8741 |
| 4-Bromofluorobenzene | 93 | % | | | | 99-157-8741 |
| EPA 8081 | | | | | | |
| alpha-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| beta-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Lindane (gamma-BHC) | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| delta-BHC | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Heptachlor | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Aldrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Heptachlor epoxide | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Endosulfan I | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| 4,4'-DDE | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Dieldrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Endrin | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Endosulfan II | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| 4,4'-DDD | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Endrin aldehyde | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Endosulfan sulfate | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| 4,4'-DDT | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Methoxychlor | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Chlordane | U | ug/l | 0.05 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Toxaphene | U | ug/l | 0.5 | 11-NOV-99 | EPA 8081 | 99-127-8415 |
| Surrogate Recovery: | | | | | | |
| Tetrachloro-m-xylene | 77 | % | | | | 99-127-8415 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8415 |
| PCB 1221 | U | mg/l | 0.2 | 11-NOV-99 | EPA 8082 | 99-127-8415 |
| PCB 1232 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8415 |
| PCB 1242 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8415 |
| PCB 1248 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8415 |
| PCB 1254 | U | mg/l | 0.1 | 11-NOV-99 | EPA 8082 | 99-127-8415 |



QC Rf NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: John A. Kent
Lab Director

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW2-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 12:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Dibenzofuran | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 2,4-Dinitrotoluene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 4-Nitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Diethyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Fluorene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 4-Chlorophenylphenylether | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 4-Nitroaniline | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 2-Methyl-4,6-dinitrophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| N-Nitrosodiphenylamine | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 4-Bromophenylphenylether | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Hexachlorobenzene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Pentachlorophenol | U | ug/l | 20 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Phenanthrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Carbazole | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Di-n-butyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Butylbenzyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Benzo(a)anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| 3,3-Dichlorobenzidine | U | ug/l | 10 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Chrysene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Bis-2-ethylhexyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Di-n-octyl phthalate | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Benzo(b)fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Benzo(k)fluoranthene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Benzo(a)pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Indeno(1,2,3-cd)pyrene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Dibenzo(a,h)anthracene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Benzo(g,h,i)perylene | U | ug/l | 5 | 09-NOV-99 | EPA 8270 | 98-051-9613 |
| Extraction Information: | | | | 05-NOV-99 | | 99-137-81 |

| Library Search Compounds: | Results | Units | Qual | Retention Time |
|---|---|---|---|---|



QC 04 NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-5

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE |
| ORIGIN | W-ALFMW2-110299 |
| DESCRIPTION | GRAB |
| SAMPLED ON | 02-NOV-99 12:00 by CLIENT |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|---|
| UNKNOWN | 7 | ug/l | J | 10.8 | | | |
| UNKNOWN | 4 | ug/l | J | 17.12 | | | |
| UNKNOWN | 5 | ug/l | J | 18.28 | | | |
| UNKNOWN | 5 | ug/l | J | 21.69 | | | |
| UNKNOWN | 7 | ug/l | J | 22 | | | |
| UNKNONW | 4 | ug/l | J | 22.68 | | | |
| UNKNOWN | 7 | ug/l | J | 23.36 | | | |
| UNKNOWN | 6 | ug/l | J | 25.56 | | | |
| Surrogate Recovery: | | | | | | | |
| Terphenyl-d14 | 49 | % | | | | | 98-051-9613 |
| 2-Fluorophenol | 44 | % | | | | | 98-051-9613 |
| Phenol-d5 | 36 | % | | | | | 98-051-9613 |
| 2,4,6-Tribromophenol | 83 | % | | | | | 98-051-9613 |
| Nitrobenzene-d5 | 74 | % | | | | | 98-051-9613 |
| 2-Fluorobiphenyl | 65 | % | | | | | 98-051-9613 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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1 E

# VOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L41196-5

Sample wt/vol:_____(g/mL)_____ Lab File ID: C8741.d

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

% Moisture: not dec. _____ Date Analyzed:_____

GC Column: _____ ID: _____ (mm) Dilution Factor:_____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg)_____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
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FORM I-CLP-VOA-TIC

1 F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
## TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L41196-5

Sample wt/vol: _____ (g/mL) _____ Lab File ID: B9613.d

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

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

Concentrated Extract Volume: _____ (µL) Date Analyzed: _____

Injection Volume: _____ (µL) Dilution Factor: _____

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

Number TICs found: 8

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 10.80 | 7 | J |
| 2. | | 17.12 | 4 | |
| 3. | | 18.28 | 5 | |
| 4. | | 21.69 | 5 | |
| 5. | | 22.00 | 7 | |
| 6. | | 22.68 | 4 | |
| 7. | | 23.36 | 7 | |
| 8. | | 25.56 | 6. | |
| 9. | | | | |
| 10. | | | | |
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FORM I-CLP-SV-TIC

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 06-DEC-1999

LAB SAMPLE ID : L41196-6

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | FRIEND LABORATORY, INC. |
| ORIGIN | 95-045-91-27 |
| DESCRIPTION | TRIP BLANK |
| SAMPLED ON | 02-NOV-99 00:00 by FLI/BB |
| DATE RECEIVED | 03-NOV-99 07:30 |
| P.O. NO. | 97150 |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| EPA 8260 | | | | | | |
| Chloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Vinyl chloride | U | ug/l | 2 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Chloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Bromomethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,1-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Acetone | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Carbon disulfide | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Methylene chloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| trans-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,1-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| cis-1,2-Dichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Methyl ethyl ketone (2-Butanone) | U | ug/l | 25 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Chloroform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,1,1-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Carbon tetrachloride | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Benzene | U | ug/l | 0.7 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,2-Dichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Trichloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,2-Dichloropropane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Bromodichloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| cis-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Methyl isobutyl ketone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Toluene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| trans-1,3-Dichloropropene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,1,2-Trichloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Tetrachloroethene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 2-Hexanone | U | ug/l | 10 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Dibromochloromethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Chlorobenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Ethylbenzene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| p-Xylene/m-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| o-Xylene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Styrene | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| Bromoform | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |
| 1,1,2,2-Tetrachloroethane | U | ug/l | 5 | 04-NOV-99 | EPA 8260 | 99-157-8737 |



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

# VOLATILE ORGANICS ANALYSIS DATA SHEET
# TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

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

Matrix: (soil/water) _____ Lab Sample ID: L4496-6

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C8737d

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

% Moisture: not dec. _____ Date Analyzed: _____

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

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

CONCENTRATION UNITS:
(µg/L or µg/Kg) _____

Number TICs found: 0

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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# APPENDIX J

# PCB SAMPLES

SITE INVESTIGATION REPORT
AND
REMEDIAL ACTION REPORT

NYSDEC
1996 CLEAN WATER / CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECTS
TITLE 5

MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
ENVIRONMENTAL RESTORATION PROJECT

FOR THE
FORMER AMERICAN LAFRANCE SITE
100 LAFRANCE STREET
ELMIRA, NEW YORK

FLI
FRIEND LABORATORY I · N · C

ENVIRONMENTAL MONITORING • MICROBIOLOGY
ANALYTICAL CHEMISTRY • AIR QUALITY
INFORMATION MANAGEMENT

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

**FAGAN ENGINEERS**

**AMERICAN LAFRANCE**

**SAMPLED: OCTOBER 5, 1999**

CUSTOMER CODE # _____

# CHAIN OF CUSTODY RECORD

PAGE 3 OF __

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

CLIENT: Fagan
ADDRESS:
PHONE: FAX:

INVOICE TO: Fagan
ADDRESS:

Sample Site: ACF
P.O. # 97150

PROJECT NO. / NAME: ACF

COPY TO:
ADDRESS:

L39569

| DATE & TIME OF SAMPLE COLLECTION | SAMPLE DESCRIPTION | NUMBER OF CONTAINERS (Untreated / Sodium thiosulfate / HCl pH <2 / Ascorbic acid & HCl pH <2 / $HNO_3$ pH <2 / $H_2SO_4$ pH <2 / NaOH pH >12 / NaOH & Zinc acetate pH >9 / Acetic Buffer pH <3 / Sodium sulfite) | ANALYSES / TESTS REQUESTED | LAB USE ONLY SAMPLE NUMBER |
|---|---|---|---|---|
| 10-5-99 1315 | S-ALFB2A100599 SOIL | 2 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | Full TCL per contract | -9 |
| 10-5-99 1330 | S-ALFPCBA100599 SOIL | 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | 8082 | -10 |
| 10-5-99 1340 | S-ALFPCBB100599 SOIL | 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | 8082 | -11 |
| 10-5-99 1400 | S-ALFPCBC100599 SOIL | 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other | 8082 | -12 |

| RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | NOTES TO LABORATORY |
|---|---|---|---|---|
| SAMPLER | 10-6-99 4:32 pm | Stacey Mellen | 10/6/99 4:35 | |
| | | Lonel Jones | 10/7/99 7:57 | |
| | | | | SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH |

# Laboratory Chronicle

**FLI**
FRIEND
LABORATORY
INC

The sample fractions listed below are released by the Sample Custodian for analysis. The recipient of these samples is legally responsible for the integrity and safekeeping of these samples in accordance with FLI evidentiary custody procedures. Residual sample(s) must be returned as a set to the Sample Custodian. Use departmental custody logs to transfer extracts, digestates and distillates to the Sample Custodian after completion of analysis.

Lab Department Semivolatiles

Fraction/Parameter 8082

SDG/Project Fagan/American Lafrance

| Number | Sample ID | Sample Origin | Number | Sample ID | Sample Origin |
|---|---|---|---|---|---|
| | L39569-10 | | | | |
| | L39569-11 | | | | |
| | L39569-12 | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |

| Number | Relinquished By | Date | Time | Received By | Date | Time | * |
|---|---|---|---|---|---|---|---|
| 1 | Shannon M Bennett | 10/11/99 | 16:45 | Faith Anderson | 10/11/99 | 16:45 | |
| 1 | Faith Anderson | 10/13/99 | 12:05 | Shannon M Bennett | 10/13/99 | 1205 | |
| 2 | | / / | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 3 | | | | | | | |

* Enter C to indicate sample or aliquot consumed during testing; R for return to Sample Custodian; L for return to cooler.

**This form is transferred with samples. It MUST be returned to the Sample Custodian after completion of analysis.**

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-10

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFPCBA100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 13:30 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 88.24 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1221 | U | mg/kg | 0.2 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1232 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1242 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1248 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1254 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| PCB 1260 | 0.14 | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2892 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 106 | % | | | | 99-108-2892 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : 12-NOV-1999

LAB SAMPLE ID : L39569-11

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE : | AMERICAN LAFRANCE 97150 |
| ORIGIN : | S-ALFPCBB100599 SOIL |
| DESCRIPTION : | GRAB |
| SAMPLED ON : | 05-OCT-99 13:40 by CLIENT |
| DATE RECEIVED : | 07-OCT-99 07:57 |
| P.O. NO. : | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 81.24 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1221 | U | mg/kg | 0.2 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1232 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1242 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1248 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1254 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| PCB 1260 | U | mg/kg | 0.1 | 26-OCT-99 | EPA 8082 | 99-108-2893 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 94 | % | | | | 99-108-2893 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I·N·C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 12-NOV-1999

LAB SAMPLE ID : L39569-12

Fagan Engineers
Steve Degerdon
113 East Chemung Place
Elmira, NY 14904

| | |
|---|---|
| SAMPLE SOURCE | AMERICAN LAFRANCE 97150 |
| ORIGIN | S-ALFPCBC100599 SOIL |
| DESCRIPTION | GRAB |
| SAMPLED ON | 05-OCT-99 14:00 by CLIENT |
| DATE RECEIVED | 07-OCT-99 07:57 |
| P.O. NO. | N/A |

| Analysis Performed | Result | Units | Detection Limit | Date Analyzed | Method | Notebook Reference |
|---|---|---|---|---|---|---|
| Total Solids | 92.22 | % | | 07-OCT-99 | CLP 3.0 | 97-070-158 |
| EPA 8082 | | | | | | |
| PCB 1016 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1221 | U | mg/kg | 0.12 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1232 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1242 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1248 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1254 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| PCB 1260 | U | mg/kg | 0.06 | 26-OCT-99 | EPA 8082 | 99-108-2894 |
| Extraction Information: | | | | 12-OCT-99 | | 99-154-63 |
| Surrogate Recovery: | | | | | | |
| Decachlorobiphenyl | 114 | % | | | | 99-108-2894 |

Analysis Comment: PCB results are calculated on a dry weight basis.



QC NY 10252 NJ 73168 PA 68180 EPA NY 00033 Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

# APPENDIX K

# TAR TANK CLOSURE DOCUMENTATION

SITE INVESTIGATION REPORT
AND
REMEDIAL ACTION REPORT

NYSDEC
1996 CLEAN WATER / CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECTS
TITLE 5

MUNICIPAL ASSISTANCE BROWNFIELD PROGRAM
ENVIRONMENTAL RESTORATION PROJECT

FOR THE
FORMER AMERICAN LAFRANCE SITE
100 LAFRANCE STREET
ELMIRA, NEW YORK

VISTA
Taxpayer ID: 33-0383289

**VISTA ENVIRONMENTAL INFORMATION, INC.**
5060 Shoreham Place, Suite 300
San Diego, CA 92122
Phone: (858) 450-6100 FAX: (858) 450-6195

# INVOICE

Invoice Date: 2/14/00
Invoice No: 289470
Ship Date: 2/16/00
Customer No: FEE00C

Bill To:

CHRIS KARAM - BUSINESS MANAGER
FAGAN ENGINEERS
113 EAST CHEMUNG PLACE

ELMIRA NY 14904

Ship To:

STEVE DEGERDON
FAGAN ENGINEERS
113 E CHEMUNG PL

ELMIRA NY 14904

| Client Ref/Contact | Client Project/PO No | Ship Via/Method | Terms | SalesRep | Our OrderNo |
|---|---|---|---|---|---|
| C72251 | | EMAIL+UPS 2D | 30 | S00450 | 305813 |

| Item Description | Unit Ordered | Unit Backordered | Unit Shipped | Unit Price | Extended Price |
|---|---|---|---|---|---|
| TOPOGRAPHICAL MAPS - HISTORICAL 7.5' BW | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| POGRAPHICAL MAPS - HISTORICAL 7.5' BW | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| HISTORICAL FIRE INSURANCE MAP | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| HISTORICAL FIRE INSURANCE MAP | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| HISTORICAL FIRE INSURANCE MAP | 1.00 | 0.00 | 1.00 | 75.00 | 75.00 |
| 2000.021 JERSEY SHORE CONCRETE 230 N BROAD ST JERSEY SHORE PA 17740 | | | | | |
| ASTM SITE ASSESSMENT REPORT | 1.00 | 0.00 | 1.00 | 135.00 | 135.00 |
| 2000.021 JERSEY SHORE CONCRETE 230 N BROAD ST JERSEY SHORE PA 17740 | | | | | |
| ASTM SITE ASSESSMENT PLUS | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| ASTM SITE ASSESSMENT PLUS | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| TOPOGRAPHICAL MAP - CURRENT (FULL QUAD) | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| TOPOGRAPHICAL MAP - CURRENT (FULL QUAD) | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| 240 PACKAGE | 2.00 | 0.00 | 2.00 | 240.00 | 480.00 |

| | |
|---|---|
| Sales Total: | 690.00 |
| Freight: | 0.00 |
| Misc. Charges: | 0.00 |
| Sales Taxes: | 0.00 |
| Invoice Total: | 690.00 |

**Please include the invoice number on your remittance.**

**Past Due Balances are reported to Experian Business Information Solutions**
For billing inquiries, please contact your Customer service Representative at 1-800-767-0403

VISTA
Taxpayer ID: 33-0383289

VISTA ENVIRONMENTAL
INFORMATION, INC.
5060 Shoreham Place, Suite 300
San Diego, CA 92122
Phone: (858) 450-6100 FAX: (858) 450-6195

# INVOICE

Invoice Date: 2/14/00
Invoice No: 289470
Ship Date: 2/16/00
Customer No: FEE00C

Bill To:

CHRIS KARAM - BUSINESS MANAGER
FAGAN ENGINEERS
113 EAST CHEMUNG PLACE

ELMIRA NY 14904

Ship To:

STEVE DEGERDON
FAGAN ENGINEERS
113 E CHEMUNG PL

ELMIRA NY 14904

| Client Ref/Contact | Client Project/PO No | Ship Via/Method | Terms | SalesRep | Our OrderNo |
|---|---|---|---|---|---|
| C72251 | | EMAIL+UPS 2D | 30 | S00450 | 305813 |

| Item Description | Unit Ordered | Unit Backordered | Unit Shipped | Unit Price | Extended Price |
|---|---|---|---|---|---|
| OPOGRAPHICAL MAPS - HISTORICAL 7.5' BW | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| OPOGRAPHICAL MAPS - HISTORICAL 7.5' BW | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| ISTORICAL FIRE INSURANCE MAP | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| ISTORICAL FIRE INSURANCE MAP | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| ISTORICAL FIRE INSURANCE MAP | 1.00 | 0.00 | 1.00 | 75.00 | 75.00 |
| 2000.021 JERSEY SHORE CONCRETE 230 N BROAD ST JERSEY SHORE PA 17740 | | | | | |
| STM SITE ASSESSMENT REPORT | 1.00 | 0.00 | 1.00 | 135.00 | 135.00 |
| 2000.021 JERSEY SHORE CONCRETE 230 N BROAD ST JERSEY SHORE PA 17740 | | | | | |
| STM SITE ASSESSMENT PLUS | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| STM SITE ASSESSMENT PLUS | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| OPOGRAPHICAL MAP - CURRENT (FULL QUAD) | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.017 BUDDY'S MARKET 900 PENNSYLVANIA AVE ELMIRA NY 14904 | | | | | |
| OPOGRAPHICAL MAP - CURRENT (FULL QUAD) | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| 2000.028 EOP BALDWIN ST ELMIRA NY 14901 | | | | | |
| IO PACKAGE | 2.00 | 0.00 | 2.00 | 240.00 | 480.00 |

| | |
|---|---|
| Sales Total: | 690.00 |
| Freight: | 0.00 |
| Misc. Charges: | 0.00 |
| Sales Taxes: | 0.00 |
| Invoice Total: | 690.00 |

**Please include the invoice number on your remittance.**

**Past Due Balances are reported to Experian Business Information Solutions**

For billing inquiries, please contact your Customer service Representative at 1-800-767-0403