SEVERN
TRENT
SERVICES

**STL Los Angeles**
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

June 21, 2001

STL LOT NUMBER: E1F130363
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

Scott Zachary
Haley & Aldrich Inc
9040 Friars Road
Suite 220
San Diego, CA 92108

Dear Mr. Zachary,

This report contains the analytical results for the 36 samples received under chain of custody by STL Los Angeles on on June 13, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures met method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 309.

Sincerely,

Diane Suzuki
Project Manager
CC: Project File

This report contains 000222 pages.



STL Los Angeles is a part of Severn Trent Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0123709

# Chain of Custody Record

SEVERN TRENT SERVICES

**Severn Trent Laboratories, Inc.**

STL-4124 (0700)

| | | | |
|---|---|---|---|
| Client: Haley & Aldrich | Project Manager: Scott Zachary | Date: 6-13-01 | Chain of Custody Number: 053328 |
| Address: 9040 Friars Rd Suite 220 | Telephone Number (Area Code)/Fax Number: (619) 280-9210 / (619) 280-9415 | Lab Number | Page 1 of 3 |
| City: San Diego; State: CA; Zip Code | Site Contact: Shannon Collings | Lab Contact: Diane Suzuki | |
| Project Name and Location (State): Boeing C6 Torrance | Carrier/Waybill Number | | |
| Contract/Purchase Order/Quote No. | | | |

Analysis (Attach list if more space is needed): TPH (8015m); VOCs (8260B); Inorganic; TICs per Scan; Bacteria

Special Instructions/ Conditions of Receipt

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Air | Aqueous | Sed. | Soil | Unpres. | H2SO4 | HNOS | HCl | NaOH | ZnAc/ NaOH | TPH (8015m) | VOCs (8260B) | Inorganic | TICs per Scan | Bacteria |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP10A-1 @ 6' | 6-13-01 | 920 | | | | X | 1 | | | | | | X | X | | | |
| SP10A-2 @ 2' | 6-13-01 | 925 | | | | X | 1 | | | | | | X | X | | | |
| SP10A-3 @ 6' | 6-13-01 | 950 | | | | X | 1 | | | | | | X | X | | | |
| SP10A-4 @ 2' | 6-13-01 | 958 | | | | X | 1 | | | | | | X | X | | | |
| SP10A-5 @ 6' | 6-13-01 | 1002 | | | | X | 1 | | | | | | X | X | | | |
| SP10A-6 @ 2' | 6-13-01 | 1006 | | | | X | 1 | | | | | | X | X | | | |
| SP10A-7 @ 6' | 6-13-01 | 1020 | | | | X | 1 | | | | | | X | X | | | |
| SP10A 8 @ 2' | 6-13-01 | 1027 | | | | X | 1 | | | | | | X | X | | | |
| SP10A 9 @ 6' | 6-13-01 | 1039 | | | | X | 1 | | | | | | X | X | | | |
| SP10A 10 @ 2' | 6-13-01 | 1047 | | | | X | 1 | | | | | | X | X | | | |
| SP10A 11 @ 6' | 6-13-01 | 1054 | | | | X | 1 | | | | | | X | X | | | |
| SP10A 12 @ 2' | 6-13-01 | 1100 | | | | X | 1 | | | | | | X | X | | | |

Special Instructions/ Conditions of Receipt: Five samples with highest TPH will be analyzed for PAH (8310)

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By | 6-13-01 | 1530 | 1. Received By | 6-13-01 | 1530 |
| 2. Relinquished By | 6-13-01 | 1715 | 2. Received By | 6/13/01 | 17:15 |
| 3. Relinquished By | | | 3. Received By | | |

Comments

**DISTRIBUTION:** WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

0000002

BOE-C6-0123710

[redacted]

# Chain of Custody Record

SEVERN TRENT SERVICES

**Severn Trent Laboratories, Inc.**

STL-4124 (0700)

| | | | |
|---|---|---|---|
| Client: Haley + Aldrich | Project Manager: Scott Zachary | Date: 6-13-01 | Chain of Custody Number: 053329 |
| Address: 9040 Friars Rd Suite 220 | Telephone Number (Area Code)/Fax Number: (619) 280-9210 / (619) 280-9415 | Lab Number | Page 2 of 3 |
| City: San Diego; State: CA; Zip Code | Site Contact: Shannon Collinge | Lab Contact: Diane Suzuki | |
| Project Name and Location (State): Boeing C6 | Carrier/Waybill Number | | |
| Contract/Purchase Order/Quote No. | | | |

Analysis (Attach list if more space is needed): TPH (8015m); VOCs (8260B)

Special Instructions/ Conditions of Receipt

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Air | Aqueous | Sed. | Soil | Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | TPH (8015m) | VOCs (8260B) | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP10A-13 @ 6' | 6-13-01 | 1109 | | | | X | 1 | | | | | | | | Five Samples |
| SP10A-14 @ 2' | 6-13-01 | 1113 | | | | X | 1 | | | | | | | | with highest TPH |
| SP10A-15 @ 6' | 6-13-01 | 1120 | | | | X | 1 | | | | | | | | will be analyzed |
| SP10A-16 @ 2' | 6-13-01 | 1128 | | | | X | 1 | | | | | | | | for PAH (8310) |
| SP10A-17 @ 6' | 6-13-01 | 1136 | | | | X | 1 | | | | | | | | |
| SP10A-18 @ 2' | 6-13-01 | 1141 | | | | X | 1 | | | | | | | | |
| SP10A-19 @ 6' | 6-13-01 | 1150 | | | | X | 1 | | | | | | | | |
| SP10A-20 @ 2' | 6-13-01 | 1157 | | | | X | 1 | | | | | | | | |
| SP10A-21 @ 6' | 6-13-01 | 1322 | | | | X | 1 | | | | | | | | |
| SP10A-22 @ 2' | 6-13-01 | 1327 | | | | X | 1 | | | | | | | | |
| SP10B-23 @ 6' | 6-13-01 | 1410 | | | | X | 1 | | | | | | | | |
| SP10B-24 @ 2' | 6-13-01 | 1415 | | | | X | X | | | | | | | | |

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished By | Date 6-13-01 | Time 1530 | 1. Received By | Date 6-13-01 | Time 1530 |
| 2. Relinquished By | Date 6-13-01 | Time 1715 | 2. Received By | Date 6/13/01 | Time 17:15 |
| 3. Relinquished By | Date | Time | 3. Received By | Date | Time |

Comments

**DISTRIBUTION:** WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

# Chain of Custody Record

SEVERN TRENT SERVICES

**Severn Trent Laboratories, Inc.**

STL-4124 (0700)

| | | | |
|---|---|---|---|
| Client: Haley + Aldrich | Project Manager: Scott Zachary | Date: 6-13-01 | Chain of Custody Number: 053330 |
| Address: 9040 Friars Rd suite 220 | Telephone Number (Area Code)/Fax Number: (619) 280-9210 / (619) 280-9415 | Lab Number | Page ____ of ____ |
| City: San Diego; State: CA; Zip Code: 92108 | Site Contact: Shannon Collinge | Lab Contact: Diane Suzuki | |
| Project Name and Location (State): Boeing C/e Torrance CA | Carrier/Waybill Number | | |
| Contract/Purchase Order/Quote No.: 27285-001 | | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres | H2SO4 | HNOS | HCl | NaOH | ZnAc/NaOH | TPH (8015M) | UOCs (8260B) | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SP10B-25 @ 6' | 6-13-01 | 1424 | | | | X | 1 | | | | | | X | X | Five samples |
| SP10B-26 @ 2' | 6-13-01 | 1430 | | | | X | 1 | | | | | | X | X | with highest TPH |
| SP10B-27 @ 6' | 6-13-01 | 1437 | | | | X | 1 | | | | | | X | X | will be analyzed |
| SP10B-28 @ 2' | 6-13-01 | 1440 | | | | X | 1 | | | | | | X | X | for PAH (8310) |
| SP10B-29 @ 6' | 6-13-01 | 1444 | | | | X | 1 | | | | | | X | X | |
| SP10B-30 @ 2' | 6-13-01 | 1451 | | | | X | 1 | | | | | | X | X | |
| SP10B-31 @ 6' | 6-13-01 | 1454 | | | | X | 1 | | | | | | X | X | |
| SP10B-32 @ 2' | 6-13-01 | 1459 | | | | X | 1 | | | | | | X | X | |
| SP10B-33 @ 6' | 6-13-01 | 1503 | | | | X | 1 | | | | | | X | X | |
| SP10B-34 @ 2' | 6-13-01 | 1508 | | | | X | 1 | | | | | | X | X | |
| SP10B-35 @ 6' | 6-13-01 | 1513 | | | | X | 1 | | | | | | X | X | |
| SP10B-36 @ 2' | 6-13-01 | 1519 | | | | X | 1 | | | | | | X | X | |

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 day

QC Requirements (Specify)

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By | 6-13-01 | 1530 | 1. Received By | 6-13-01 | 1530 |
| 2. Relinquished By | 6-13-01 | 17:15 | 2. Received By | 6/13/01 | 17:15 |
| 3. Relinquished By | | | 3. Received By | | |

Comments

**DISTRIBUTION:** WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

# STL – LOS ANGELES
## PROJECT RECEIPT CHECKLIST

Date: 6/13/01

Quantims Lot #: E1F130363
Quote #: 42295
Client Name: Haley & Aldrich
Project: Boeing C-6 Torrance
Received by: Pacocha
Date/Time Received: 6/13/01 17:35
Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other Mike Hernandez

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AP 6/13/01
Custody Seal #(s): ☒No Seal # .....
Sample Container(s): ☐STL-LA ☒Client ☐N/A .....
Temperature(s) (COOLER/BLANK) in °C: 7°C (CORRECTED TEMP) 5.6°C
Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....
Samples: ☒Intact ☐Broken ☐Other .....
Anomalies: ☒No ☐Yes (See Clouseau) .....
Labeled by MLT .....
Labeling checked by .....

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL .....
Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) : – none .

•••••••••• LEAVE NO BLANK SPACES ; USE N/A ••••••••••

| Fraction | 1 → 36 | | | | | | | | | | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOAh * | | | | | | | | | | | N/A |
| B Sleeve | 1 | | | | | | | | | | — |
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h:HCl na:Sodium Hydroxide zna:Zinc Acetate/Sodium Hydroxide s:H2SO4 n:HNO3 n/F:HNO3-Field filtered n/FL:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: Pacocha 6/13/01 REVIEWED BY/DATE: J Stuart 6-14-01

000005

# EXECUTIVE SUMMARY - Detection Highlights

**E1F130363**

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10A_1@6 06/13/01 09:20 001** | | | | |
| Total Carbon Chain Range | 6.3 J | 10 | mg/kg | SW846 8015B |
| **SP10A_2@2 06/13/01 09:25 002** | | | | |
| C14-C15 | 73 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 27 J | 50 | mg/kg | SW846 8015B |
| C18-C19 | 50 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 77 | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 280 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 5.9 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 2.8 J | 5.0 | ug/kg | SW846 8260B |
| **SP10A_3@6 06/13/01 09:50 003** | | | | |
| Total Carbon Chain Range | 7.6 J | 10 | mg/kg | SW846 8015B |
| **SP10A_4@2 06/13/01 09:58 004** | | | | |
| C14-C15 | 5.4 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 26 | 10 | mg/kg | SW846 8015B |
| **SP10A_5@6 06/13/01 10:02 005** | | | | |
| C10-C11 | 64 J | 100 | mg/kg | SW846 8015B |
| C12-C13 | 240 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 560 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 190 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 190 | 100 | mg/kg | SW846 8015B |
| C20-C23 | 260 | 100 | mg/kg | SW846 8015B |
| C24-C27 | 62 J | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1600 | 100 | mg/kg | SW846 8015B |
| n-Butylbenzene | 21 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 7.4 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 3.1 J | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 9.5 | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 5.1 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 66 | 5.0 | ug/kg | SW846 8260B |
| **SP10A_6@2 06/13/01 10:06 006** | | | | |
| C10-C11 | 29 J | 50 | mg/kg | SW846 8015B |
| C12-C13 | 130 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 260 | 50 | mg/kg | SW846 8015B |

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# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10A_6@2 06/13/01 10:06 006** | | | | |
| C16-C17 | 120 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 97 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 83 | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 750 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 40 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 13 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 23 | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 6.9 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 180 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 64 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 3.2 J | 5.0 | ug/kg | SW846 8260B |
| **SP10A_7@6 06/13/01 10:20 007** | | | | |
| n-Butylbenzene | 6.8 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 20 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 2.5 J | 5.0 | ug/kg | SW846 8260B |
| **SP10A_9@6 06/13/01 10:39 009** | | | | |
| C12-C13 | 73 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 140 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 61 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 53 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 70 | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 440 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 170 | 12 | ug/kg | SW846 8260B |
| Ethylbenzene | 6.5 J | 12 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 15 | 12 | ug/kg | SW846 8260B |
| n-Propylbenzene | 33 | 12 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 370 | 12 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 120 | 12 | ug/kg | SW846 8260B |
| **SP10A_10@2 06/13/01 10:47 010** | | | | |
| C10-C11 | 74 J | 100 | mg/kg | SW846 8015B |
| C12-C13 | 300 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 560 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 280 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 190 | 100 | mg/kg | SW846 8015B |
| C20-C23 | 210 | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1700 | 100 | mg/kg | SW846 8015B |
| n-Butylbenzene | 36 | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

**E1F130363**

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10A_10@2 06/13/01 10:47 010** | | | | |
| sec-Butylbenzene | 2.8 J | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 9.8 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 6.0 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 19 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 170 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 68 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 4.8 J | 5.0 | ug/kg | SW846 8260B |
| **SP10A_11@6 06/13/01 10:54 011** | | | | |
| C12-C13 | 39 J | 50 | mg/kg | SW846 8015B |
| C14-C15 | 66 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 51 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 26 J | 50 | mg/kg | SW846 8015B |
| C20-C23 | 29 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 250 | 50 | mg/kg | SW846 8015B |
| Acetone | 35 | 25 | ug/kg | SW846 8260B |
| **SP10A_12@2 06/13/01 11:00 012** | | | | |
| C14-C15 | 9.1 J | 10 | mg/kg | SW846 8015B |
| C16-C17 | 7.0 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 30 | 10 | mg/kg | SW846 8015B |
| **SP10A_13@6 06/13/01 11:09 013** | | | | |
| C12-C13 | 400 | 200 | mg/kg | SW846 8015B |
| C14-C15 | 690 | 200 | mg/kg | SW846 8015B |
| C16-C17 | 380 | 200 | mg/kg | SW846 8015B |
| C18-C19 | 170 J | 200 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1900 | 200 | mg/kg | SW846 8015B |
| Acetone | 44 | 25 | ug/kg | SW846 8260B |
| n-Butylbenzene | 100 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 15 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 34 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 4.0 J | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 6.8 | 5.0 | ug/kg | SW846 8260B |
| **SP10A_14@2 06/13/01 11:13 014** | | | | |
| C12-C13 | 41 | 20 | mg/kg | SW846 8015B |
| C14-C15 | 85 | 20 | mg/kg | SW846 8015B |
| C16-C17 | 29 | 20 | mg/kg | SW846 8015B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10A_14@2 06/13/01 11:13 014** | | | | |
| C18-C19 | 30 | 20 | mg/kg | SW846 8015B |
| C20-C23 | 27 | 20 | mg/kg | SW846 8015B |
| C24-C27 | 11 J | 20 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 240 | 20 | mg/kg | SW846 8015B |
| n-Butylbenzene | 32 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 4.0 J | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 4.7 J | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 6.5 | 5.0 | ug/kg | SW846 8260B |
| **SP10A_15@6 06/13/01 11:20 015** | | | | |
| C12-C13 | 130 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 280 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 150 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 88 J | 100 | mg/kg | SW846 8015B |
| C20-C23 | 82 J | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 790 | 100 | mg/kg | SW846 8015B |
| n-Butylbenzene | 50 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 5.1 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 7.0 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 26 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 4.5 J | 5.0 | ug/kg | SW846 8260B |
| **SP10A_16@2 06/13/01 11:28 016** | | | | |
| C12-C13 | 5.1 J | 10 | mg/kg | SW846 8015B |
| C14-C15 | 15 | 10 | mg/kg | SW846 8015B |
| C16-C17 | 13 | 10 | mg/kg | SW846 8015B |
| C18-C19 | 11 | 10 | mg/kg | SW846 8015B |
| C20-C23 | 17 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 6.5 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 73 | 10 | mg/kg | SW846 8015B |
| **SP10A_17@6 06/13/01 11:36 017** | | | | |
| C14-C15 | 10 J | 20 | mg/kg | SW846 8015B |
| C16-C17 | 37 | 20 | mg/kg | SW846 8015B |
| C18-C19 | 28 | 20 | mg/kg | SW846 8015B |
| C20-C23 | 59 | 20 | mg/kg | SW846 8015B |
| C24-C27 | 27 | 20 | mg/kg | SW846 8015B |
| C28-C31 | 11 J | 20 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 190 | 20 | mg/kg | SW846 8015B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10A_18@2 06/13/01 11:41 018** | | | | |
| Total Carbon Chain Range | 5.7 J | 10 | mg/kg | SW846 8015B |
| **SP10A_19@6 06/13/01 11:50 019** | | | | |
| C12-C13 | 180 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 350 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 200 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 97 J | 100 | mg/kg | SW846 8015B |
| C20-C23 | 120 | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1000 | 100 | mg/kg | SW846 8015B |
| **SP10A_20@2 06/13/01 11:57 020** | | | | |
| C12-C13 | 34 J | 50 | mg/kg | SW846 8015B |
| C14-C15 | 84 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 64 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 36 J | 50 | mg/kg | SW846 8015B |
| C20-C23 | 74 | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 330 | 50 | mg/kg | SW846 8015B |
| **SP10A_21@6 06/13/01 13:22 021** | | | | |
| Total Carbon Chain Range | 10 | 10 | mg/kg | SW846 8015B |
| **SP10A_22@2 06/13/01 13:27 022** | | | | |
| Total Carbon Chain Range | 16 | 10 | mg/kg | SW846 8015B |
| **SP10B_23@6 06/13/01 14:10 023** | | | | |
| C12-C13 | 100 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 180 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 200 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 120 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 84 | 50 | mg/kg | SW846 8015B |
| C24-C27 | 33 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 750 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 21 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 11 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 3.4 J | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 7.8 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 110 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 56 | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10B_23@6 06/13/01 14:10 023** | | | | |
| Xylenes (total) | 49 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_24@2 06/13/01 14:15 024** | | | | |
| C10-C11 | 190 J | 200 | mg/kg | SW846 8015B |
| C12-C13 | 840 | 200 | mg/kg | SW846 8015B |
| C14-C15 | 820 | 200 | mg/kg | SW846 8015B |
| C16-C17 | 590 | 200 | mg/kg | SW846 8015B |
| C18-C19 | 490 | 200 | mg/kg | SW846 8015B |
| C20-C23 | 310 | 200 | mg/kg | SW846 8015B |
| C24-C27 | 130 J | 200 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 3400 | 200 | mg/kg | SW846 8015B |
| n-Butylbenzene | 2900 | 250 | ug/kg | SW846 8260B |
| Ethylbenzene | 340 | 250 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 270 | 250 | ug/kg | SW846 8260B |
| n-Propylbenzene | 460 | 250 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 8100 | 250 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 4000 | 250 | ug/kg | SW846 8260B |
| Xylenes (total) | 1200 | 250 | ug/kg | SW846 8260B |
| **SP10B_25@6 06/13/01 14:24 025** | | | | |
| C10-C11 | 27 J | 50 | mg/kg | SW846 8015B |
| C12-C13 | 190 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 150 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 91 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 63 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 43 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 590 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 120 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 2.0 J | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 16 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 19 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 240 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 110 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_26@2 06/13/01 14:30 026** | | | | |
| C10-C11 | 51 J | 100 | mg/kg | SW846 8015B |
| C12-C13 | 430 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 410 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 350 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 210 | 100 | mg/kg | SW846 8015B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10B_26@2 06/13/01 14:30 026** | | | | |
| C20-C23 | 170 | 100 | mg/kg | SW846 8015B |
| C24-C27 | 75 J | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1700 | 100 | mg/kg | SW846 8015B |
| n-Butylbenzene | 34 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 5.0 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 6.7 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 120 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 51 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 14 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_27@6 06/13/01 14:37 027** | | | | |
| C12-C13 | 160 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 220 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 96 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 61 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 26 J | 50 | mg/kg | SW846 8015B |
| C24-C27 | 26 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 630 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 150 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 18 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 6.8 | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | 5.2 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 3.9 J | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 55 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 21 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_28@2 06/13/01 14:40 028** | | | | |
| C10-C11 | 31 J | 50 | mg/kg | SW846 8015B |
| C12-C13 | 180 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 270 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 76 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 55 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 38 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 690 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 40 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 4.4 J | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | 2.5 J | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 2.3 J | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 14 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 10 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 3.9 J | 5.0 | ug/kg | SW846 8260B |

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# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10B_29@6 06/13/01 14:44 029** | | | | |
| C10-C11 | 72 J | 100 | mg/kg | SW846 8015B |
| C12-C13 | 420 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 320 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 260 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 130 | 100 | mg/kg | SW846 8015B |
| C20-C23 | 88 J | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1400 | 100 | mg/kg | SW846 8015B |
| n-Butylbenzene | 130 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 4.8 J | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 42 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 14 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 140 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 150 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 27 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_30@2 06/13/01 14:51 030** | | | | |
| C10-C11 | 62 J | 100 | mg/kg | SW846 8015B |
| C12-C13 | 380 | 100 | mg/kg | SW846 8015B |
| C14-C15 | 240 | 100 | mg/kg | SW846 8015B |
| C16-C17 | 220 | 100 | mg/kg | SW846 8015B |
| C18-C19 | 150 | 100 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 1100 | 100 | mg/kg | SW846 8015B |
| n-Butylbenzene | 76 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 6.7 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 27 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 14 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 280 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 71 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 23 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_31@6 06/13/01 14:54 031** | | | | |
| C12-C13 | 38 | 20 | mg/kg | SW846 8015B |
| C14-C15 | 60 | 20 | mg/kg | SW846 8015B |
| C16-C17 | 40 | 20 | mg/kg | SW846 8015B |
| C18-C19 | 49 | 20 | mg/kg | SW846 8015B |
| C20-C23 | 41 | 20 | mg/kg | SW846 8015B |
| C24-C27 | 15 J | 20 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 250 | 20 | mg/kg | SW846 8015B |
| n-Butylbenzene | 10 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 2.2 J | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 2.0 J | 5.0 | ug/kg | SW846 8260B |

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# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10B_32@2 06/13/01 14:59 032** | | | | |
| C12-C13 | 170 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 290 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 89 | 50 | mg/kg | SW846 8015B |
| C18-C19 | 90 | 50 | mg/kg | SW846 8015B |
| C20-C23 | 82 | 50 | mg/kg | SW846 8015B |
| C24-C27 | 39 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 800 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 2.1 J | 5.0 | ug/kg | SW846 8260B |
| **SP10B_33@6 06/13/01 15:03 033** | | | | |
| C12-C13 | 810 | 200 | mg/kg | SW846 8015B |
| C14-C15 | 600 | 200 | mg/kg | SW846 8015B |
| C16-C17 | 370 | 200 | mg/kg | SW846 8015B |
| C18-C19 | 140 J | 200 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 2200 | 200 | mg/kg | SW846 8015B |
| n-Butylbenzene | 360 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 31 | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | 29 | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | 11 | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 16 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 110 | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | 5.0 | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 3.9 J | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 54 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 23 | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | 7.8 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_34@2 06/13/01 15:08 034** | | | | |
| C12-C13 | 120 | 50 | mg/kg | SW846 8015B |
| C14-C15 | 71 | 50 | mg/kg | SW846 8015B |
| C16-C17 | 39 J | 50 | mg/kg | SW846 8015B |
| C18-C19 | 35 J | 50 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 310 | 50 | mg/kg | SW846 8015B |
| n-Butylbenzene | 33 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 4.5 J | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 5.8 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 2.4 J | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1F130363

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **SP10B_35@6 06/13/01 15:13 035** | | | | |
| C12-C13 | 34 | 20 | mg/kg | SW846 8015B |
| C14-C15 | 54 | 20 | mg/kg | SW846 8015B |
| C16-C17 | 44 | 20 | mg/kg | SW846 8015B |
| C18-C19 | 17 J | 20 | mg/kg | SW846 8015B |
| C20-C23 | 12 J | 20 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 180 | 20 | mg/kg | SW846 8015B |
| n-Butylbenzene | 28 | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 4.3 J | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | 17 | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 6.2 | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | 7.5 | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | 6.6 | 5.0 | ug/kg | SW846 8260B |
| **SP10B_36@2 06/13/01 15:19 036** | | | | |
| C12-C13 | 38 | 10 | mg/kg | SW846 8015B |
| C14-C15 | 56 | 10 | mg/kg | SW846 8015B |
| C16-C17 | 18 | 10 | mg/kg | SW846 8015B |
| C18-C19 | 11 | 10 | mg/kg | SW846 8015B |
| C20-C23 | 6.1 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 140 | 10 | mg/kg | SW846 8015B |
| n-Butylbenzene | 3.6 J | 5.0 | ug/kg | SW846 8260B |

# METHODS SUMMARY

**E1F130363**

| PARAMETER | ANALYTICAL METHOD | PREPARATION METHOD |
|---|---|---|
| Extractable Petroleum Hydrocarbons | SW846 8015B | SANA AUTO-SHAKE |
| Volatile Organics by GC/MS | SW846 8260B | SW846 5030 |
| Volatile Petroleum Hydrocarbons | SW846 8015B | SW846 5030 |

**References:**

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

**E1F130363**

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|---|---|
| EEWEF | 001 | SP10A_1@6 | 06/13/01 | 09:20 |
| EEWEK | 002 | SP10A_2@2 | 06/13/01 | 09:25 |
| EEWEL | 003 | SP10A_3@6 | 06/13/01 | 09:50 |
| EEWEM | 004 | SP10A_4@2 | 06/13/01 | 09:58 |
| EEWEN | 005 | SP10A_5@6 | 06/13/01 | 10:02 |
| EEWEP | 006 | SP10A_6@2 | 06/13/01 | 10:06 |
| EEWEQ | 007 | SP10A_7@6 | 06/13/01 | 10:20 |
| EEWET | 008 | SP10A_8@2 | 06/13/01 | 10:27 |
| EEWEW | 009 | SP10A_9@6 | 06/13/01 | 10:39 |
| EEWEX | 010 | SP10A_10@2 | 06/13/01 | 10:47 |
| EEWE1 | 011 | SP10A_11@6 | 06/13/01 | 10:54 |
| EEWE2 | 012 | SP10A_12@2 | 06/13/01 | 11:00 |
| EEWE3 | 013 | SP10A_13@6 | 06/13/01 | 11:09 |
| EEWE4 | 014 | SP10A_14@2 | 06/13/01 | 11:13 |
| EEWE5 | 015 | SP10A_15@6 | 06/13/01 | 11:20 |
| EEWE6 | 016 | SP10A_16@2 | 06/13/01 | 11:28 |
| EEWE9 | 017 | SP10A_17@6 | 06/13/01 | 11:36 |
| EEWFC | 018 | SP10A_18@2 | 06/13/01 | 11:41 |
| EEWFD | 019 | SP10A_19@6 | 06/13/01 | 11:50 |
| EEWFH | 020 | SP10A_20@2 | 06/13/01 | 11:57 |
| EEWFJ | 021 | SP10A_21@6 | 06/13/01 | 13:22 |
| EEWFL | 022 | SP10A_22@2 | 06/13/01 | 13:27 |
| EEWFM | 023 | SP10B_23@6 | 06/13/01 | 14:10 |
| EEWFN | 024 | SP10B_24@2 | 06/13/01 | 14:15 |
| EEWFT | 025 | SP10B_25@6 | 06/13/01 | 14:24 |
| EEWFW | 026 | SP10B_26@2 | 06/13/01 | 14:30 |
| EEWF0 | 027 | SP10B_27@6 | 06/13/01 | 14:37 |
| EEWF1 | 028 | SP10B_28@2 | 06/13/01 | 14:40 |
| EEWF2 | 029 | SP10B_29@6 | 06/13/01 | 14:44 |
| EEWF4 | 030 | SP10B_30@2 | 06/13/01 | 14:51 |
| EEWF5 | 031 | SP10B_31@6 | 06/13/01 | 14:54 |
| EEWF6 | 032 | SP10B_32@2 | 06/13/01 | 14:59 |
| EEWF8 | 033 | SP10B_33@6 | 06/13/01 | 15:03 |
| EEWGA | 034 | SP10B_34@2 | 06/13/01 | 15:08 |
| EEWGC | 035 | SP10B_35@6 | 06/13/01 | 15:13 |
| EEWGE | 036 | SP10B_36@2 | 06/13/01 | 15:19 |

(Continued on next page)

# SAMPLE SUMMARY

E1F130363

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|---|---|

**NOTE(S):**

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_1@6

GC Semivolatiles

**Lot-Sample #...:** E1F130363-001 **Work Order #...:** EEWEF1AA **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 09:20 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165150
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1165309 **Analysis Time..:** 12:25
**Dilution Factor:** 1
**Analyst ID.....:** 356074 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **6.3 J** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 98 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_1@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-001 | **Work Order #...:** | EEWEF1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 09:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 15:11 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 85 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_1@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-001 **Work Order #...:** EEWEF1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 09:20 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 09:47
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_1@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-001 **Work Order #...:** EEWEF1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 100 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 107 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_2@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-002 | **Work Order #...:** | EEWEK1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 09:25 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 14:23 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| C12-C13 | ND | 50 | mg/kg | 25 |
| **C14-C15** | **73** | **50** | **mg/kg** | **25** |
| **C16-C17** | **27 J** | **50** | **mg/kg** | **25** |
| **C18-C19** | **50** | **50** | **mg/kg** | **25** |
| **C20-C23** | **77** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **280** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 122 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_2@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-002 | **Work Order #...:** | EEWEK1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 09:25 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 15:39 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_2@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-002 **Work Order #...:** EEWEK1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 09:25 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 10:17
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **5.9** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_2@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-002 **Work Order #...:** EEWEK1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **2.8 J** | **5.0** | **ug/kg** | **2.0** |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 114 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 105 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_3@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-003 | **Work Order #...:** | EEWEL1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 09:50 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 15:02 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **7.6 J** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 93 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_3@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-003 | **Work Order #...:** | EEWEL1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 09:50 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 16:08 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 83 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_3@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-003 **Work Order #...:** EEWEL1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 09:50 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 12:05
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_3@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-003 **Work Order #...:** EEWEL1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 117 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 95 | (60 - 140) |
| Toluene-d8 | 91 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_4@2

GC Semivolatiles

**Lot-Sample #...:** E1F130363-004 **Work Order #...:** EEWEM1AA **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 09:58 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165150
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1165309 **Analysis Time..:** 15:41
**Dilution Factor:** 1
**Analyst ID.....:** 356074 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| **C14-C15** | **5.4 J** | **10** | **mg/kg** | **5.0** |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **26** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 105 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_4@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-004 | **Work Order #...:** | EEWEM1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 09:58 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 16:37 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_4@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-004 **Work Order #...:** EEWEM1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 09:58 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 11:18
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_4@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-004 **Work Order #...:** EEWEM1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 94 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 104 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_5@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-005 | **Work Order #...:** | EEWEN1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:02 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 16:24 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| **C10-C11** | **64 J** | **100** | **mg/kg** | **50** |
| **C12-C13** | **240** | **100** | **mg/kg** | **50** |
| **C14-C15** | **560** | **100** | **mg/kg** | **50** |
| **C16-C17** | **190** | **100** | **mg/kg** | **50** |
| **C18-C19** | **190** | **100** | **mg/kg** | **50** |
| **C20-C23** | **260** | **100** | **mg/kg** | **50** |
| **C24-C27** | **62 J** | **100** | **mg/kg** | **50** |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **1600** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_5@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-005 | **Work Order #...:** | EEWEN1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:02 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 17:05 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 87 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_5@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-005 **Work Order #...:** EEWEN1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:02 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166243
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 05:26
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **21** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10A_5@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-005 **Work Order #...:** EEWEN1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **7.4** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **3.1 J** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **9.5** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| **Trichloroethene** | **5.1** | **5.0** | **ug/kg** | **2.0** |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **66** | **5.0** | **ug/kg** | **2.0** |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 104 | (60 - 140) |
| Toluene-d8 | 104 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_6@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-006 | **Work Order #...:** | EEWEP1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:06 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 17:03 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| **C10-C11** | **29 J** | **50** | **mg/kg** | **25** |
| **C12-C13** | **130** | **50** | **mg/kg** | **25** |
| **C14-C15** | **260** | **50** | **mg/kg** | **25** |
| **C16-C17** | **120** | **50** | **mg/kg** | **25** |
| **C18-C19** | **97** | **50** | **mg/kg** | **25** |
| **C20-C23** | **83** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **750** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 122 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_6@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-006 | **Work Order #...:** | EEWEP1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:06 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 17:34 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 87 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_6@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-006 **Work Order #...:** EEWEP1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:06 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166243
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 05:56
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **40** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_6@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-006 **Work Order #...:** EEWEP1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **13** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **23** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| **Trichloroethene** | **6.9** | **5.0** | **ug/kg** | **2.0** |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **180** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **64** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **3.2 J** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 112 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 101 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_7@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-007 | **Work Order #...:** | EEWEQ1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 17:52 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 88 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_7@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-007 | **Work Order #...:** | EEWEQ1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 18:02 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_7@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-007 **Work Order #...:** EEWEQ1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:20 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 13:49
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **6.8** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_7@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-007 **Work Order #...:** EEWEQ1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **20** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **2.5 J** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 102 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_8@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-008 | **Work Order #...:** | EEWET1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:27 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 18:31 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| Total Carbon Chain Range | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 89 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_8@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-008 | **Work Order #...:** | EEWET1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:27 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 18:31 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 87 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_8@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-008 **Work Order #...:** EEWET1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:27 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 13:03
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_8@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-008 **Work Order #...:** EEWET1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 112 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 88 | (60 - 140) |
| Toluene-d8 | 93 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_9@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-009 | **Work Order #...:** | EEWEW1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:39 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 19:10 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **73** | **50** | **mg/kg** | **25** |
| **C14-C15** | **140** | **50** | **mg/kg** | **25** |
| **C16-C17** | **61** | **50** | **mg/kg** | **25** |
| **C18-C19** | **53** | **50** | **mg/kg** | **25** |
| **C20-C23** | **70** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **440** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 110 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_9@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-009 | **Work Order #...:** | EEWEW1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:39 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 18:59 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_9@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-009 **Work Order #...:** EEWEW1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:39 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 17:57
**Dilution Factor:** 2.5
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 62 | ug/kg | 38 |
| Acrylonitrile | ND | 250 | ug/kg | 75 |
| Benzene | ND | 12 | ug/kg | 5.0 |
| Bromobenzene | ND | 12 | ug/kg | 5.0 |
| Bromochloromethane | ND | 12 | ug/kg | 2.5 |
| Bromoform | ND | 12 | ug/kg | 7.5 |
| Bromomethane | ND | 25 | ug/kg | 5.0 |
| 2-Butanone | ND | 62 | ug/kg | 38 |
| **n-Butylbenzene** | **170** | **12** | **ug/kg** | **5.0** |
| sec-Butylbenzene | ND | 12 | ug/kg | 5.0 |
| tert-Butylbenzene | ND | 12 | ug/kg | 5.0 |
| Carbon disulfide | ND | 12 | ug/kg | 5.0 |
| Carbon tetrachloride | ND | 12 | ug/kg | 2.5 |
| Chlorobenzene | ND | 12 | ug/kg | 5.0 |
| Dibromochloromethane | ND | 12 | ug/kg | 12 |
| Bromodichloromethane | ND | 12 | ug/kg | 2.5 |
| Chloroethane | ND | 25 | ug/kg | 5.0 |
| Chloroform | ND | 12 | ug/kg | 2.5 |
| Chloromethane | ND | 25 | ug/kg | 7.5 |
| 2,2-Dichloropropane | ND | 12 | ug/kg | 5.0 |
| 2-Chlorotoluene | ND | 12 | ug/kg | 5.0 |
| 4-Chlorotoluene | ND | 12 | ug/kg | 5.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 25 | ug/kg | 7.5 |
| 1,2-Dibromoethane | ND | 12 | ug/kg | 7.5 |
| Isopropyl ether | ND | 25 | ug/kg | 2.5 |
| 1,2-Dichlorobenzene | ND | 12 | ug/kg | 5.0 |
| 1,3-Dichlorobenzene | ND | 12 | ug/kg | 5.0 |
| 1,4-Dichlorobenzene | ND | 12 | ug/kg | 5.0 |
| Dichlorodifluoromethane | ND | 25 | ug/kg | 2.5 |
| 1,1-Dichloroethane | ND | 12 | ug/kg | 2.5 |
| 1,2-Dichloroethane | ND | 12 | ug/kg | 2.5 |
| 1,1-Dichloroethene | ND | 12 | ug/kg | 5.0 |
| cis-1,2-Dichloroethene | ND | 12 | ug/kg | 5.0 |
| trans-1,2-Dichloroethene | ND | 12 | ug/kg | 5.0 |
| 1,2-Dichloropropane | ND | 12 | ug/kg | 2.5 |
| t-Butanol | ND | 250 | ug/kg | 120 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10A_9@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-009 **Work Order #...:** EEWEW1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 12 | ug/kg | 2.5 |
| cis-1,3-Dichloropropene | ND | 12 | ug/kg | 2.5 |
| trans-1,3-Dichloropropene | ND | 12 | ug/kg | 7.5 |
| **Ethylbenzene** | **6.5 J** | **12** | **ug/kg** | **5.0** |
| Hexachlorobutadiene | ND | 12 | ug/kg | 5.0 |
| 2-Hexanone | ND | 62 | ug/kg | 25 |
| Isopropylbenzene | ND | 12 | ug/kg | 5.0 |
| **p-Isopropyltoluene** | **15** | **12** | **ug/kg** | **5.0** |
| Methylene chloride | ND | 12 | ug/kg | 7.5 |
| 4-Methyl-2-pentanone | ND | 62 | ug/kg | 25 |
| Methyl tert-butyl ether | ND | 12 | ug/kg | 2.5 |
| **n-Propylbenzene** | **33** | **12** | **ug/kg** | **5.0** |
| Styrene | ND | 25 | ug/kg | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 12 | ug/kg | 7.5 |
| 1,1,2,2-Tetrachloroethane | ND | 12 | ug/kg | 7.5 |
| Tetrachloroethene | ND | 12 | ug/kg | 5.0 |
| Toluene | ND | 12 | ug/kg | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 12 | ug/kg | 5.0 |
| 1,2,4-Trichloro-benzene | ND | 12 | ug/kg | 5.0 |
| 1,1,1-Trichloroethane | ND | 12 | ug/kg | 2.5 |
| 1,1,2-Trichloroethane | ND | 12 | ug/kg | 7.5 |
| Trichloroethene | ND | 12 | ug/kg | 5.0 |
| Trichlorofluoromethane | ND | 25 | ug/kg | 5.0 |
| 1,2,3-Trichloropropane | ND | 12 | ug/kg | 7.5 |
| **1,2,4-Trimethylbenzene** | **370** | **12** | **ug/kg** | **5.0** |
| **1,3,5-Trimethylbenzene** | **120** | **12** | **ug/kg** | **5.0** |
| Vinyl chloride | ND | 25 | ug/kg | 5.0 |
| Xylenes (total) | ND | 12 | ug/kg | 7.5 |
| Tert-amyl methyl ether | ND | 25 | ug/kg | 5.0 |
| Tert-butyl ethyl ether | ND | 25 | ug/kg | 2.5 |
| Acrolein | ND | 250 | ug/kg | 75 |
| Iodomethane | ND | 25 | ug/kg | 12 |
| Vinyl acetate | ND | 25 | ug/kg | 12 |
| Tetrahydrofuran | ND | 50 | ug/kg | 25 |
| 2-Chloroethyl vinyl ether | ND | 25 | ug/kg | 12 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 134 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 104 | (60 - 140) |
| Toluene-d8 | 95 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_10@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-010 | **Work Order #...:** | EEWEX1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:47 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 19:49 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| **C10-C11** | **74 J** | **100** | **mg/kg** | **50** |
| **C12-C13** | **300** | **100** | **mg/kg** | **50** |
| **C14-C15** | **560** | **100** | **mg/kg** | **50** |
| **C16-C17** | **280** | **100** | **mg/kg** | **50** |
| **C18-C19** | **190** | **100** | **mg/kg** | **50** |
| **C20-C23** | **210** | **100** | **mg/kg** | **50** |
| C24-C27 | ND | 100 | mg/kg | 50 |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **1700** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_10@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-010 | **Work Order #...:** | EEWEX1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:47 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 19:28 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 85 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_10@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-010 **Work Order #...:** EEWEX1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:47 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 15:21
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **36** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **2.8 J** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10A_10@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-010 **Work Order #...:** EEWEX1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **9.8** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **6.0** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **19** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **170** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **68** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **4.8 J** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 119 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 112 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_11@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-011 | **Work Order #...:** | EEWE11AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:54 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 20:29 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **39 J** | **50** | **mg/kg** | **25** |
| **C14-C15** | **66** | **50** | **mg/kg** | **25** |
| **C16-C17** | **51** | **50** | **mg/kg** | **25** |
| **C18-C19** | **26 J** | **50** | **mg/kg** | **25** |
| **C20-C23** | **29 J** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **250** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 114 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_11@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-011 | **Work Order #...:** | EEWE11AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 10:54 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 20:25 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_11@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-011 **Work Order #...:** EEWE11AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 10:54 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 15:13
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| **Acetone** | **35** | **25** | **ug/kg** | **15** |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10A_11@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-011 **Work Order #...:** EEWE11AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 155 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 105 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_12@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-012 | **Work Order #...:** | EEWE21AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:00 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 21:08 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| **C14-C15** | **9.1 J** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **7.0 J** | **10** | **mg/kg** | **5.0** |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **30** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 101 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_12@2**

**GC Volatiles**

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-012 | **Work Order #...:** | EEWE21AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:00 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 20:53 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 88 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_12@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-012 **Work Order #...:** EEWE21AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:00 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 13:36
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_12@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-012 **Work Order #...:** EEWE21AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 91 | (60 - 140) |
| Toluene-d8 | 88 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_13@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-013 | **Work Order #...:** | EEWE31AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:09 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 21:47 | | |
| **Dilution Factor:** | 20 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 200 | mg/kg | 100 |
| C10-C11 | ND | 200 | mg/kg | 100 |
| **C12-C13** | **400** | **200** | **mg/kg** | **100** |
| **C14-C15** | **690** | **200** | **mg/kg** | **100** |
| **C16-C17** | **380** | **200** | **mg/kg** | **100** |
| **C18-C19** | **170 J** | **200** | **mg/kg** | **100** |
| C20-C23 | ND | 200 | mg/kg | 100 |
| C24-C27 | ND | 200 | mg/kg | 100 |
| C28-C31 | ND | 200 | mg/kg | 100 |
| C32-C35 | ND | 200 | mg/kg | 100 |
| C36-C39 | ND | 200 | mg/kg | 100 |
| C40+ | ND | 200 | mg/kg | 100 |
| **Total Carbon Chain Range** | **1900** | **200** | **mg/kg** | **100** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_13@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-013 | **Work Order #...:** | EEWE31AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:09 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 21:22 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 71 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_13@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-013 **Work Order #...:** EEWE31AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:09 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166243
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 06:56
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| **Acetone** | **44** | **25** | **ug/kg** | **15** |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **100** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_13@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-013 **Work Order #...:** EEWE31AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **15** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **34** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **4.0 J** | **5.0** | **ug/kg** | **2.0** |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **6.8** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 171 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 103 | (60 - 140) |
| Toluene-d8 | 110 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_14@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-014 | **Work Order #...:** | EEWE41AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:13 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 22:26 | | |
| **Dilution Factor:** | 2 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 20 | mg/kg | 10 |
| C10-C11 | ND | 20 | mg/kg | 10 |
| **C12-C13** | **41** | **20** | **mg/kg** | **10** |
| **C14-C15** | **85** | **20** | **mg/kg** | **10** |
| **C16-C17** | **29** | **20** | **mg/kg** | **10** |
| **C18-C19** | **30** | **20** | **mg/kg** | **10** |
| **C20-C23** | **27** | **20** | **mg/kg** | **10** |
| **C24-C27** | **11 J** | **20** | **mg/kg** | **10** |
| C28-C31 | ND | 20 | mg/kg | 10 |
| C32-C35 | ND | 20 | mg/kg | 10 |
| C36-C39 | ND | 20 | mg/kg | 10 |
| C40+ | ND | 20 | mg/kg | 10 |
| **Total Carbon Chain Range** | **240** | **20** | **mg/kg** | **10** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 107 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_14@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-014 | **Work Order #...:** | EEWE41AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:13 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 21:50 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 82 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_14@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-014 **Work Order #...:** EEWE41AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:13 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 17:22
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **32** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **4.0 J** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10A_14@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-014 **Work Order #...:** EEWE41AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **4.7 J** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **6.5** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 129 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 94 | (60 - 140) |
| Toluene-d8 | 108 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_15@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-015 | **Work Order #...:** | EEWE51AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/20/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 01:03 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| C10-C11 | ND | 100 | mg/kg | 50 |
| **C12-C13** | **130** | **100** | **mg/kg** | **50** |
| **C14-C15** | **280** | **100** | **mg/kg** | **50** |
| **C16-C17** | **150** | **100** | **mg/kg** | **50** |
| **C18-C19** | **88 J** | **100** | **mg/kg** | **50** |
| **C20-C23** | **82 J** | **100** | **mg/kg** | **50** |
| C24-C27 | ND | 100 | mg/kg | 50 |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **790** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 120 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_15@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-015 | **Work Order #...:** | EEWE51AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 22:18 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 81 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_15@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-015 **Work Order #...:** EEWE51AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:20 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 17:53
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **50** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **5.1** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_15@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-015 **Work Order #...:** EEWE51AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **7.0** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **26** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **4.5 J** | **5.0** | **ug/kg** | **2.0** |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 134 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 113 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_16@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-016 | **Work Order #...:** | EEWE61AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:28 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/20/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 01:42 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| **C12-C13** | **5.1 J** | **10** | **mg/kg** | **5.0** |
| **C14-C15** | **15** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **13** | **10** | **mg/kg** | **5.0** |
| **C18-C19** | **11** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **17** | **10** | **mg/kg** | **5.0** |
| **C24-C27** | **6.5 J** | **10** | **mg/kg** | **5.0** |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **73** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 105 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_16@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-016 | **Work Order #...:** | EEWE61AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:28 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 22:47 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 87 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_16@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-016 **Work Order #...:** EEWE61AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:28 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 14:08
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_16@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-016 **Work Order #...:** EEWE61AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 107 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 87 | (60 - 140) |
| Toluene-d8 | 81 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_17@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-017 | **Work Order #...:** | EEWE91AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:36 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/20/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 02:21 | | |
| **Dilution Factor:** | 2 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 20 | mg/kg | 10 |
| C10-C11 | ND | 20 | mg/kg | 10 |
| C12-C13 | ND | 20 | mg/kg | 10 |
| **C14-C15** | **10 J** | **20** | **mg/kg** | **10** |
| **C16-C17** | **37** | **20** | **mg/kg** | **10** |
| **C18-C19** | **28** | **20** | **mg/kg** | **10** |
| **C20-C23** | **59** | **20** | **mg/kg** | **10** |
| **C24-C27** | **27** | **20** | **mg/kg** | **10** |
| **C28-C31** | **11 J** | **20** | **mg/kg** | **10** |
| C32-C35 | ND | 20 | mg/kg | 10 |
| C36-C39 | ND | 20 | mg/kg | 10 |
| C40+ | ND | 20 | mg/kg | 10 |
| **Total Carbon Chain Range** | **190** | **20** | **mg/kg** | **10** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_17@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-017 | **Work Order #...:** | EEWE91AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:36 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 23:15 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_17@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-017 **Work Order #...:** EEWE91AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:36 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 14:41
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_17@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-017 **Work Order #...:** EEWE91AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 97 | (60 - 140) |
| Toluene-d8 | 90 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_18@2

GC Semivolatiles

**Lot-Sample #...:** E1F130363-018 **Work Order #...:** EEWFC1AA **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:41 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165150
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/20/01
**Prep Batch #...:** 1165309 **Analysis Time..:** 03:00
**Dilution Factor:** 1
**Analyst ID.....:** 356074 **Instrument ID..:** G03
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **5.7 J** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 93 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_18@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-018 | **Work Order #...:** | EEWFC1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:41 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 23:44 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_18@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-018 **Work Order #...:** EEWFC1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:41 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165244
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 19:24
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_18@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-018 **Work Order #...:** EEWFC1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 86 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 94 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_19@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-019 | **Work Order #...:** | EEWFD1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:50 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/20/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 03:39 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| C10-C11 | ND | 100 | mg/kg | 50 |
| **C12-C13** | **180** | **100** | **mg/kg** | **50** |
| **C14-C15** | **350** | **100** | **mg/kg** | **50** |
| **C16-C17** | **200** | **100** | **mg/kg** | **50** |
| **C18-C19** | **97 J** | **100** | **mg/kg** | **50** |
| **C20-C23** | **120** | **100** | **mg/kg** | **50** |
| C24-C27 | ND | 100 | mg/kg | 50 |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **1000** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 129 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_19@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-019 | **Work Order #...:** | EEWFD1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:50 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 00:12 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_19@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-019 **Work Order #...:** EEWFD1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:50 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166243
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 02:25
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_19@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-019 **Work Order #...:** EEWFD1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 109 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 108 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_20@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-020 | **Work Order #...:** | EEWFH1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:57 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/20/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 04:18 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **34 J** | **50** | **mg/kg** | **25** |
| **C14-C15** | **84** | **50** | **mg/kg** | **25** |
| **C16-C17** | **64** | **50** | **mg/kg** | **25** |
| **C18-C19** | **36 J** | **50** | **mg/kg** | **25** |
| **C20-C23** | **74** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **330** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 111 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10A_20@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-020 | **Work Order #...:** | EEWFH1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 11:57 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 00:41 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 88 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_20@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-020 **Work Order #...:** EEWFH1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 11:57 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 19:34
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_20@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-020 **Work Order #...:** EEWFH1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 129 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 91 | (60 - 140) |
| Toluene-d8 | 88 | (70 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_21@6**

**GC Semivolatiles**

**Lot-Sample #...:** E1F130363-021 **Work Order #...:** EEWFJ1AA **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 13:22 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165153
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1165310 **Analysis Time..:** 12:07
**Dilution Factor:** 1
**Analyst ID.....:** 356074 **Instrument ID..:** G01
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **10** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 95 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_21@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-021 | **Work Order #...:** | EEWFJ1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 13:22 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 04:28 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 85 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_21@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-021 **Work Order #...:** EEWFJ1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 13:22 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 16:51
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10A_21@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-021 **Work Order #...:** EEWFJ1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 92 | (60 - 140) |
| Toluene-d8 | 84 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_22@2

GC Semivolatiles

**Lot-Sample #...:** E1F130363-022 **Work Order #...:** EEWFL1AA **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 13:27 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1165153
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1165310 **Analysis Time..:** 13:36
**Dilution Factor:** 1
**Analyst ID.....:** 356074 **Instrument ID..:** G01
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| C12-C13 | ND | 10 | mg/kg | 5.0 |
| C14-C15 | ND | 10 | mg/kg | 5.0 |
| C16-C17 | ND | 10 | mg/kg | 5.0 |
| C18-C19 | ND | 10 | mg/kg | 5.0 |
| C20-C23 | ND | 10 | mg/kg | 5.0 |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **16** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 91 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_22@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-022 | **Work Order #...:** | EEWFL1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 13:27 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 04:56 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 88 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10A_22@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-022 **Work Order #...:** EEWFL1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 13:27 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166243
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 03:56
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10A_22@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-022 **Work Order #...:** EEWFL1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 82 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 93 | (60 - 140) |
| Toluene-d8 | 93 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_23@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-023 | **Work Order #...:** | EEWFM1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:10 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 14:06 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **100** | **50** | **mg/kg** | **25** |
| **C14-C15** | **180** | **50** | **mg/kg** | **25** |
| **C16-C17** | **200** | **50** | **mg/kg** | **25** |
| **C18-C19** | **120** | **50** | **mg/kg** | **25** |
| **C20-C23** | **84** | **50** | **mg/kg** | **25** |
| **C24-C27** | **33 J** | **50** | **mg/kg** | **25** |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **750** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_23@6**

**GC Volatiles**

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-023 | **Work Order #...:** | EEWFM1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:10 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 05:25 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_23@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-023 **Work Order #...:** EEWFM1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:10 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166243
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 04:26
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSD
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **21** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_23@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-023 **Work Order #...:** EEWFM1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **11** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **3.4 J** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **7.8** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **110** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **56** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **49** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 92 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_24@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-024 | **Work Order #...:** | EEWFN1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:15 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 14:36 | | |
| **Dilution Factor:** | 20 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 200 | mg/kg | 100 |
| **C10-C11** | **190 J** | **200** | **mg/kg** | **100** |
| **C12-C13** | **840** | **200** | **mg/kg** | **100** |
| **C14-C15** | **820** | **200** | **mg/kg** | **100** |
| **C16-C17** | **590** | **200** | **mg/kg** | **100** |
| **C18-C19** | **490** | **200** | **mg/kg** | **100** |
| **C20-C23** | **310** | **200** | **mg/kg** | **100** |
| **C24-C27** | **130 J** | **200** | **mg/kg** | **100** |
| C28-C31 | ND | 200 | mg/kg | 100 |
| C32-C35 | ND | 200 | mg/kg | 100 |
| C36-C39 | ND | 200 | mg/kg | 100 |
| C40+ | ND | 200 | mg/kg | 100 |
| **Total Carbon Chain Range** | **3400** | **200** | **mg/kg** | **100** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_24@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-024 | **Work Order #...:** | EEWFN1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:15 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 05:53 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_24@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-024 **Work Order #...:** EEWFN1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:15 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1171116
**Prep Date.....:** 06/19/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1171256 **Analysis Time..:** 12:57
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 1200 | ug/kg | 400 |
| Acrylonitrile | ND | 5000 | ug/kg | 2000 |
| Benzene | ND | 250 | ug/kg | 100 |
| Bromobenzene | ND | 250 | ug/kg | 70 |
| Bromochloromethane | ND | 250 | ug/kg | 75 |
| Bromoform | ND | 250 | ug/kg | 100 |
| Bromomethane | ND | 500 | ug/kg | 250 |
| 2-Butanone | ND | 1200 | ug/kg | 500 |
| **n-Butylbenzene** | **2900** | **250** | **ug/kg** | **70** |
| sec-Butylbenzene | ND | 250 | ug/kg | 70 |
| tert-Butylbenzene | ND | 250 | ug/kg | 70 |
| Carbon disulfide | ND | 250 | ug/kg | 100 |
| Carbon tetrachloride | ND | 250 | ug/kg | 60 |
| Chlorobenzene | ND | 250 | ug/kg | 100 |
| Dibromochloromethane | ND | 250 | ug/kg | 100 |
| Bromodichloromethane | ND | 250 | ug/kg | 100 |
| Chloroethane | ND | 500 | ug/kg | 250 |
| Chloroform | ND | 250 | ug/kg | 70 |
| Chloromethane | ND | 500 | ug/kg | 200 |
| 2,2-Dichloropropane | ND | 250 | ug/kg | 60 |
| 2-Chlorotoluene | ND | 250 | ug/kg | 70 |
| 4-Chlorotoluene | ND | 250 | ug/kg | 70 |
| 1,2-Dibromo-3-chloro-propane | ND | 500 | ug/kg | 150 |
| 1,2-Dibromoethane | ND | 250 | ug/kg | 70 |
| Isopropyl ether | ND | 500 | ug/kg | 100 |
| 1,2-Dichlorobenzene | ND | 250 | ug/kg | 100 |
| 1,3-Dichlorobenzene | ND | 250 | ug/kg | 70 |
| 1,4-Dichlorobenzene | ND | 250 | ug/kg | 100 |
| Dichlorodifluoromethane | ND | 500 | ug/kg | 170 |
| 1,1-Dichloroethane | ND | 250 | ug/kg | 100 |
| 1,2-Dichloroethane | ND | 250 | ug/kg | 70 |
| 1,1-Dichloroethene | ND | 250 | ug/kg | 120 |
| cis-1,2-Dichloroethene | ND | 250 | ug/kg | 100 |
| trans-1,2-Dichloroethene | ND | 250 | ug/kg | 120 |
| 1,2-Dichloropropane | ND | 250 | ug/kg | 100 |
| t-Butanol | ND | 5000 | ug/kg | 2500 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10B_24@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-024 **Work Order #...:** EEWFN1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 250 | ug/kg | 100 |
| cis-1,3-Dichloropropene | ND | 250 | ug/kg | 100 |
| trans-1,3-Dichloropropene | ND | 250 | ug/kg | 70 |
| **Ethylbenzene** | **340** | **250** | **ug/kg** | **70** |
| Hexachlorobutadiene | ND | 250 | ug/kg | 70 |
| 2-Hexanone | ND | 1200 | ug/kg | 300 |
| Isopropylbenzene | ND | 250 | ug/kg | 120 |
| **p-Isopropyltoluene** | **270** | **250** | **ug/kg** | **70** |
| Methylene chloride | ND | 250 | ug/kg | 50 |
| 4-Methyl-2-pentanone | ND | 1200 | ug/kg | 400 |
| Methyl tert-butyl ether | ND | 250 | ug/kg | 100 |
| **n-Propylbenzene** | **460** | **250** | **ug/kg** | **110** |
| Styrene | ND | 500 | ug/kg | 100 |
| 1,1,1,2-Tetrachloroethane | ND | 250 | ug/kg | 50 |
| 1,1,2,2-Tetrachloroethane | ND | 250 | ug/kg | 100 |
| Tetrachloroethene | ND | 250 | ug/kg | 80 |
| Toluene | ND | 250 | ug/kg | 60 |
| 1,2,3-Trichlorobenzene | ND | 250 | ug/kg | 70 |
| 1,2,4-Trichloro-benzene | ND | 250 | ug/kg | 70 |
| 1,1,1-Trichloroethane | ND | 250 | ug/kg | 70 |
| 1,1,2-Trichloroethane | ND | 250 | ug/kg | 100 |
| Trichloroethene | ND | 250 | ug/kg | 60 |
| Trichlorofluoromethane | ND | 500 | ug/kg | 70 |
| 1,2,3-Trichloropropane | ND | 250 | ug/kg | 110 |
| **1,2,4-Trimethylbenzene** | **8100** | **250** | **ug/kg** | **70** |
| **1,3,5-Trimethylbenzene** | **4000** | **250** | **ug/kg** | **120** |
| Vinyl chloride | ND | 500 | ug/kg | 150 |
| **Xylenes (total)** | **1200** | **250** | **ug/kg** | **170** |
| Tert-amyl methyl ether | ND | 500 | ug/kg | 100 |
| Tert-butyl ethyl ether | ND | 500 | ug/kg | 100 |
| Acrolein | ND | 5000 | ug/kg | 2000 |
| Iodomethane | ND | 500 | ug/kg | 250 |
| Vinyl acetate | ND | 500 | ug/kg | 250 |
| Tetrahydrofuran | ND | 1000 | ug/kg | 500 |
| 2-Chloroethyl vinyl ether | ND | 500 | ug/kg | 250 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 87 | (60 - 140) |
| 1,2-Dichloroethane-d4 | 93 | (60 - 140) |
| Toluene-d8 | 84 | (60 - 140) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_25@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-025 | **Work Order #...:** | EEWFT1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:24 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 15:06 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| **C10-C11** | **27 J** | **50** | **mg/kg** | **25** |
| **C12-C13** | **190** | **50** | **mg/kg** | **25** |
| **C14-C15** | **150** | **50** | **mg/kg** | **25** |
| **C16-C17** | **91** | **50** | **mg/kg** | **25** |
| **C18-C19** | **63** | **50** | **mg/kg** | **25** |
| **C20-C23** | **43 J** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **590** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 110 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_25@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-025 | **Work Order #...:** | EEWFT1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:24 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 06:22 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_25@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-025 **Work Order #...:** EEWFT1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:24 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1169173
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1169372 **Analysis Time..:** 04:24
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **120** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_25@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-025 **Work Order #...:** EEWFT1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **2.0 J** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **16** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **19** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **240** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **110** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 130 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 88 | (60 - 140) |
| Toluene-d8 | 87 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_26@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-026 | **Work Order #...:** | EEWFW1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:30 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 15:35 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| **C10-C11** | **51 J** | **100** | **mg/kg** | **50** |
| **C12-C13** | **430** | **100** | **mg/kg** | **50** |
| **C14-C15** | **410** | **100** | **mg/kg** | **50** |
| **C16-C17** | **350** | **100** | **mg/kg** | **50** |
| **C18-C19** | **210** | **100** | **mg/kg** | **50** |
| **C20-C23** | **170** | **100** | **mg/kg** | **50** |
| **C24-C27** | **75 J** | **100** | **mg/kg** | **50** |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **1700** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_26@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-026 | **Work Order #...:** | EEWFW1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:30 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 06:50 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_26@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-026 **Work Order #...:** EEWFW1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:30 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1169173
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1169372 **Analysis Time..:** 04:57
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **34** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

(Continued on next page)

HARGIS & ASSOCIATES

Client Sample ID: SP10B_26@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-026 **Work Order #...:** EEWFW1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **5.0** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **6.7** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **120** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **51** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **14** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 85 | (60 - 140) |
| Toluene-d8 | 82 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_27@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-027 | **Work Order #...:** | EEWF01AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:37 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 17:34 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **160** | **50** | **mg/kg** | **25** |
| **C14-C15** | **220** | **50** | **mg/kg** | **25** |
| **C16-C17** | **96** | **50** | **mg/kg** | **25** |
| **C18-C19** | **61** | **50** | **mg/kg** | **25** |
| **C20-C23** | **26 J** | **50** | **mg/kg** | **25** |
| **C24-C27** | **26 J** | **50** | **mg/kg** | **25** |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **630** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 94 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_27@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-027 | **Work Order #...:** | EEWF01AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:37 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 07:18 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 87 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_27@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-027 **Work Order #...:** EEWF01AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:37 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 18:09
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **150** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **18** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

(Continued on next page)

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_27@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-027 **Work Order #...:** EEWF01AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **6.8** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| **Isopropylbenzene** | **5.2** | **5.0** | **ug/kg** | **2.0** |
| **p-Isopropyltoluene** | **3.9 J** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **55** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **21** | **5.0** | **ug/kg** | **2.0** |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 151 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 94 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_28@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-028 | **Work Order #...:** | EEWF11AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:40 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 18:04 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| **C10-C11** | **31 J** | **50** | **mg/kg** | **25** |
| **C12-C13** | **180** | **50** | **mg/kg** | **25** |
| **C14-C15** | **270** | **50** | **mg/kg** | **25** |
| **C16-C17** | **76** | **50** | **mg/kg** | **25** |
| **C18-C19** | **55** | **50** | **mg/kg** | **25** |
| **C20-C23** | **38 J** | **50** | **mg/kg** | **25** |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **690** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 117 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_28@2**

**GC Volatiles**

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-028 | **Work Order #...:** | EEWF11AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:40 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 07:47 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_28@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-028 **Work Order #...:** EEWF11AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:40 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 17:37
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **40** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **4.4 J** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_28@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-028 **Work Order #...:** EEWF11AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| **Isopropylbenzene** | **2.5 J** | **5.0** | **ug/kg** | **2.0** |
| **p-Isopropyltoluene** | **2.3 J** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **14** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **10** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **3.9 J** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 120 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 109 | (60 - 140) |
| Toluene-d8 | 103 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_29@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-029 | **Work Order #...:** | EEWF21AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:44 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 18:33 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| **C10-C11** | **72 J** | **100** | **mg/kg** | **50** |
| **C12-C13** | **420** | **100** | **mg/kg** | **50** |
| **C14-C15** | **320** | **100** | **mg/kg** | **50** |
| **C16-C17** | **260** | **100** | **mg/kg** | **50** |
| **C18-C19** | **130** | **100** | **mg/kg** | **50** |
| **C20-C23** | **88 J** | **100** | **mg/kg** | **50** |
| C24-C27 | ND | 100 | mg/kg | 50 |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **1400** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_29@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-029 | **Work Order #...:** | EEWF21AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:44 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 08:15 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 87 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_29@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-029 **Work Order #...:** EEWF21AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:44 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 17:04
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **130** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_29@6**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-029 **Work Order #...:** EEWF21AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **4.8 J** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **42** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **14** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **140** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **150** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **27** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 127 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_30@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-030 | **Work Order #...:** | EEWF41AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:51 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 19:03 | | |
| **Dilution Factor:** | 10 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 100 | mg/kg | 50 |
| **C10-C11** | **62 J** | **100** | **mg/kg** | **50** |
| **C12-C13** | **380** | **100** | **mg/kg** | **50** |
| **C14-C15** | **240** | **100** | **mg/kg** | **50** |
| **C16-C17** | **220** | **100** | **mg/kg** | **50** |
| **C18-C19** | **150** | **100** | **mg/kg** | **50** |
| C20-C23 | ND | 100 | mg/kg | 50 |
| C24-C27 | ND | 100 | mg/kg | 50 |
| C28-C31 | ND | 100 | mg/kg | 50 |
| C32-C35 | ND | 100 | mg/kg | 50 |
| C36-C39 | ND | 100 | mg/kg | 50 |
| C40+ | ND | 100 | mg/kg | 50 |
| **Total Carbon Chain Range** | **1100** | **100** | **mg/kg** | **50** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_30@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-030 | **Work Order #...:** | EEWF41AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:51 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 08:44 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 85 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_30@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-030 **Work Order #...:** EEWF41AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:51 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1169173
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1169372 **Analysis Time..:** 06:02
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **76** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_30@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-030 **Work Order #...:** EEWF41AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **6.7** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **27** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **14** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **280** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **71** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **23** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 111 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 93 | (60 - 140) |
| Toluene-d8 | 85 | (70 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_31@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-031 | **Work Order #...:** | EEWF51AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:54 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 19:33 | | |
| **Dilution Factor:** | 2 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 20 | mg/kg | 10 |
| C10-C11 | ND | 20 | mg/kg | 10 |
| **C12-C13** | **38** | **20** | **mg/kg** | **10** |
| **C14-C15** | **60** | **20** | **mg/kg** | **10** |
| **C16-C17** | **40** | **20** | **mg/kg** | **10** |
| **C18-C19** | **49** | **20** | **mg/kg** | **10** |
| **C20-C23** | **41** | **20** | **mg/kg** | **10** |
| **C24-C27** | **15 J** | **20** | **mg/kg** | **10** |
| C28-C31 | ND | 20 | mg/kg | 10 |
| C32-C35 | ND | 20 | mg/kg | 10 |
| C36-C39 | ND | 20 | mg/kg | 10 |
| C40+ | ND | 20 | mg/kg | 10 |
| **Total Carbon Chain Range** | **250** | **20** | **mg/kg** | **10** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 102 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_31@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-031 | **Work Order #...:** | EEWF51AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:54 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 09:40 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_31@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-031 **Work Order #...:** EEWF51AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:54 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 15:58
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **10** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_31@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-031 **Work Order #...:** EEWF51AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **2.2 J** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **2.0 J** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 144 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 102 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_32@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-032 | **Work Order #...:** | EEWF61AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:59 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 20:03 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **170** | **50** | **mg/kg** | **25** |
| **C14-C15** | **290** | **50** | **mg/kg** | **25** |
| **C16-C17** | **89** | **50** | **mg/kg** | **25** |
| **C18-C19** | **90** | **50** | **mg/kg** | **25** |
| **C20-C23** | **82** | **50** | **mg/kg** | **25** |
| **C24-C27** | **39 J** | **50** | **mg/kg** | **25** |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **800** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 0.0 DIL,* | (60 - 130) |

**NOTE(S):**

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_32@2**

**GC Volatiles**

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-032 | **Work Order #...:** | EEWF61AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 14:59 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 10:09 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_32@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-032 **Work Order #...:** EEWF61AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 14:59 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 15:25
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **2.1 J** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_32@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-032 **Work Order #...:** EEWF61AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 113 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 91 | (60 - 140) |
| Toluene-d8 | 86 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_33@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-033 | **Work Order #...:** | EEWF81AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:03 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 20:32 | | |
| **Dilution Factor:** | 20 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 200 | mg/kg | 100 |
| C10-C11 | ND | 200 | mg/kg | 100 |
| **C12-C13** | **810** | **200** | **mg/kg** | **100** |
| **C14-C15** | **600** | **200** | **mg/kg** | **100** |
| **C16-C17** | **370** | **200** | **mg/kg** | **100** |
| **C18-C19** | **140 J** | **200** | **mg/kg** | **100** |
| C20-C23 | ND | 200 | mg/kg | 100 |
| C24-C27 | ND | 200 | mg/kg | 100 |
| C28-C31 | ND | 200 | mg/kg | 100 |
| C32-C35 | ND | 200 | mg/kg | 100 |
| C36-C39 | ND | 200 | mg/kg | 100 |
| C40+ | ND | 200 | mg/kg | 100 |
| **Total Carbon Chain Range** | **2200** | **200** | **mg/kg** | **100** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 92 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_33@6

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-033 | **Work Order #...:** | EEWF81AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:03 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 10:37 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 83 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_33@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-033 **Work Order #...:** EEWF81AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 15:03 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 14:53
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **360** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **31** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_33@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-033 **Work Order #...:** EEWF81AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| **Ethylbenzene** | **29** | **5.0** | **ug/kg** | **2.0** |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| **Isopropylbenzene** | **11** | **5.0** | **ug/kg** | **2.0** |
| **p-Isopropyltoluene** | **16** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **110** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| **Tetrachloroethene** | **5.0** | **5.0** | **ug/kg** | **2.0** |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| **Trichloroethene** | **3.9 J** | **5.0** | **ug/kg** | **2.0** |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **54** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **23** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| **Xylenes (total)** | **7.8** | **5.0** | **ug/kg** | **3.0** |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 121 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 110 | (60 - 140) |
| Toluene-d8 | 111 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_34@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-034 | **Work Order #...:** | EEWGA1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:08 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 21:02 | | |
| **Dilution Factor:** | 5 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 50 | mg/kg | 25 |
| C10-C11 | ND | 50 | mg/kg | 25 |
| **C12-C13** | **120** | **50** | **mg/kg** | **25** |
| **C14-C15** | **71** | **50** | **mg/kg** | **25** |
| **C16-C17** | **39 J** | **50** | **mg/kg** | **25** |
| **C18-C19** | **35 J** | **50** | **mg/kg** | **25** |
| C20-C23 | ND | 50 | mg/kg | 25 |
| C24-C27 | ND | 50 | mg/kg | 25 |
| C28-C31 | ND | 50 | mg/kg | 25 |
| C32-C35 | ND | 50 | mg/kg | 25 |
| C36-C39 | ND | 50 | mg/kg | 25 |
| C40+ | ND | 50 | mg/kg | 25 |
| **Total Carbon Chain Range** | **310** | **50** | **mg/kg** | **25** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 62 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_34@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-034 | **Work Order #...:** | EEWGA1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:08 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 11:06 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 84 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_34@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-034 **Work Order #...:** EEWGA1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 15:08 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 14:20
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **33** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_34@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-034 **Work Order #...:** EEWGA1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **4.5 J** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **5.8** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **2.4 J** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 131 I,* | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 96 | (70 - 130) |

**NOTE(S):**

I Matrix interference.

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_35@6

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-035 | **Work Order #...:** | EEWGC1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:13 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 21:32 | | |
| **Dilution Factor:** | 2 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 20 | mg/kg | 10 |
| C10-C11 | ND | 20 | mg/kg | 10 |
| **C12-C13** | **34** | **20** | **mg/kg** | **10** |
| **C14-C15** | **54** | **20** | **mg/kg** | **10** |
| **C16-C17** | **44** | **20** | **mg/kg** | **10** |
| **C18-C19** | **17 J** | **20** | **mg/kg** | **10** |
| **C20-C23** | **12 J** | **20** | **mg/kg** | **10** |
| C24-C27 | ND | 20 | mg/kg | 10 |
| C28-C31 | ND | 20 | mg/kg | 10 |
| C32-C35 | ND | 20 | mg/kg | 10 |
| C36-C39 | ND | 20 | mg/kg | 10 |
| C40+ | ND | 20 | mg/kg | 10 |
| **Total Carbon Chain Range** | **180** | **20** | **mg/kg** | **10** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 83 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_35@6

GC Volatiles

**Lot-Sample #...:** E1F130363-035 **Work Order #...:** EEWGC1AC **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 15:13 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166234
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166424 **Analysis Time..:** 11:34
**Dilution Factor:** 1
**Analyst ID.....:** 001464 **Instrument ID..:** G16
**Method.....:** SW846 8015B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 85 | (60 - 130) |

HARGIS & ASSOCIATES

Client Sample ID: SP10B_35@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-035 **Work Order #...:** EEWGC1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 15:13 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 13:47
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **28** | **5.0** | **ug/kg** | **2.0** |
| **sec-Butylbenzene** | **4.3 J** | **5.0** | **ug/kg** | **2.0** |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_35@6

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-035 **Work Order #...:** EEWGC1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| **p-Isopropyltoluene** | **17** | **5.0** | **ug/kg** | **2.0** |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **n-Propylbenzene** | **6.2** | **5.0** | **ug/kg** | **2.0** |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| **1,2,4-Trimethylbenzene** | **7.5** | **5.0** | **ug/kg** | **2.0** |
| **1,3,5-Trimethylbenzene** | **6.6** | **5.0** | **ug/kg** | **2.0** |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 128 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 102 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_36@2

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-036 | **Work Order #...:** | EEWGE1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:19 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 22:01 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | 5.0 |
| C10-C11 | ND | 10 | mg/kg | 5.0 |
| **C12-C13** | **38** | **10** | **mg/kg** | **5.0** |
| **C14-C15** | **56** | **10** | **mg/kg** | **5.0** |
| **C16-C17** | **18** | **10** | **mg/kg** | **5.0** |
| **C18-C19** | **11** | **10** | **mg/kg** | **5.0** |
| **C20-C23** | **6.1 J** | **10** | **mg/kg** | **5.0** |
| C24-C27 | ND | 10 | mg/kg | 5.0 |
| C28-C31 | ND | 10 | mg/kg | 5.0 |
| C32-C35 | ND | 10 | mg/kg | 5.0 |
| C36-C39 | ND | 10 | mg/kg | 5.0 |
| C40+ | ND | 10 | mg/kg | 5.0 |
| **Total Carbon Chain Range** | **140** | **10** | **mg/kg** | **5.0** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 91 | (60 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HARGIS & ASSOCIATES

Client Sample ID: SP10B_36@2

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1F130363-036 | **Work Order #...:** | EEWGE1AC | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 06/13/01 15:19 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 12:02 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 | | |
| | | **Method.....:** | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 86 | (60 - 130) |

**HARGIS & ASSOCIATES**

**Client Sample ID: SP10B_36@2**

**GC/MS Volatiles**

**Lot-Sample #...:** E1F130363-036 **Work Order #...:** EEWGE1AD **Matrix.....:** SOLID
**Date Sampled...:** 06/13/01 15:19 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166187
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 13:14
**Dilution Factor:** 1
**Analyst ID.....:** 999998 **Instrument ID..:** MSG
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | 15 |
| Acrylonitrile | ND | 100 | ug/kg | 30 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| **n-Butylbenzene** | **3.6 J** | **5.0** | **ug/kg** | **2.0** |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Isopropyl ether | ND | 10 | ug/kg | 1.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| t-Butanol | ND | 100 | ug/kg | 50 |

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HARGIS & ASSOCIATES

Client Sample ID: SP10B_36@2

GC/MS Volatiles

**Lot-Sample #...:** E1F130363-036 **Work Order #...:** EEWGE1AD **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Tert-amyl methyl ether | ND | 10 | ug/kg | 2.0 |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | 1.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 102 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

**E1F130363**

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 001 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 002 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 003 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 004 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 005 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166436 | 1166243 |
| 006 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166436 | 1166243 |
| 007 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 008 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 009 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 010 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 011 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |

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# QC DATA ASSOCIATION SUMMARY

E1F130363

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 012 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 013 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166436 | 1166243 |
| 014 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 015 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 016 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 017 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 018 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166337 | 1165244 |
| 019 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1166436 | 1166243 |
| 020 | SOLID | SW846 8015B | | 1165309 | 1165150 |
| | SOLID | SW846 8015B | | 1166400 | 1166222 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 021 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1170497 | 1170247 |
| 022 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166436 | 1166243 |

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# QC DATA ASSOCIATION SUMMARY

**E1F130363**

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 023 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166436 | 1166243 |
| 024 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1171256 | 1171116 |
| 025 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1169372 | 1169173 |
| 026 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1169372 | 1169173 |
| 027 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 028 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 029 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 030 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1169372 | 1169173 |
| 031 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 032 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 033 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |

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# QC DATA ASSOCIATION SUMMARY

**E1F130363**

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 034 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 035 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |
| 036 | SOLID | SW846 8015B | | 1165310 | 1165153 |
| | SOLID | SW846 8015B | | 1166424 | 1166234 |
| | SOLID | SW846 8260B | | 1166348 | 1166187 |

## METHOD BLANK REPORT

### GC Semivolatiles

**Client Lot #...:** E1F130363
**MB Lot-Sample #:** E1F140000-309
**Work Order #...:** EEXKE1AA
**Matrix.....:** SOLID
**Prep Date.....:** 06/14/01
**Analysis Time..:** 11:07
**Analysis Date..:** 06/18/01
**Prep Batch #...:** 1165309
**Instrument ID..:** G03
**Dilution Factor:** 1
**Analyst ID.....:** 356074

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | SW846 8015B |
| C10-C11 | ND | 10 | mg/kg | SW846 8015B |
| C12-C13 | ND | 10 | mg/kg | SW846 8015B |
| C14-C15 | ND | 10 | mg/kg | SW846 8015B |
| C16-C17 | ND | 10 | mg/kg | SW846 8015B |
| C18-C19 | ND | 10 | mg/kg | SW846 8015B |
| C20-C23 | ND | 10 | mg/kg | SW846 8015B |
| C24-C27 | ND | 10 | mg/kg | SW846 8015B |
| C28-C31 | ND | 10 | mg/kg | SW846 8015B |
| C32-C35 | ND | 10 | mg/kg | SW846 8015B |
| C36-C39 | ND | 10 | mg/kg | SW846 8015B |
| C40+ | ND | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | ND | 10 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 92 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC Semivolatiles

**Client Lot #...:** E1F130363
**MB Lot-Sample #:** E1F140000-310

**Work Order #...:** EEXLA1AA

**Matrix.....:** SOLID

**Prep Date.....:** 06/14/01
**Analysis Time..:** 11:08

**Analysis Date..:** 06/19/01
**Prep Batch #...:** 1165310
**Instrument ID..:** G01

**Dilution Factor:** 1

**Analyst ID.....:** 356074

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C8-C9 | ND | 10 | mg/kg | SW846 8015B |
| C10-C11 | ND | 10 | mg/kg | SW846 8015B |
| C12-C13 | ND | 10 | mg/kg | SW846 8015B |
| C14-C15 | ND | 10 | mg/kg | SW846 8015B |
| C16-C17 | ND | 10 | mg/kg | SW846 8015B |
| C18-C19 | ND | 10 | mg/kg | SW846 8015B |
| C20-C23 | ND | 10 | mg/kg | SW846 8015B |
| C24-C27 | ND | 10 | mg/kg | SW846 8015B |
| C28-C31 | ND | 10 | mg/kg | SW846 8015B |
| C32-C35 | ND | 10 | mg/kg | SW846 8015B |
| C36-C39 | ND | 10 | mg/kg | SW846 8015B |
| C40+ | ND | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | ND | 10 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 97 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363
**MB Lot-Sample #:** E1F150000-337

**Analysis Date..:** 06/14/01
**Dilution Factor:** 1

**Work Order #...:** EE1VK1AA

**Prep Date.....:** 06/14/01
**Prep Batch #...:** 1166337

**Analyst ID.....:** 999998

**Matrix.....:** SOLID

**Analysis Time..:** 09:12
**Instrument ID..:** MSD

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 100 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropyl ether | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| t-Butanol | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE1VK1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Tert-amyl methyl ether | ND | 10 | ug/kg | SW846 8260B |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 94 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 95 | (60 - 140) |
| Toluene-d8 | 103 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC/MS Volatiles**

**Client Lot #...:** E1F130363 **Work Order #...:** EE11N1AA **Matrix.....:** SOLID
**MB Lot-Sample #:** E1F150000-348

**Prep Date.....:** 06/14/01 **Analysis Time..:** 08:53
**Analysis Date..:** 06/14/01 **Prep Batch #...:** 1166348 **Instrument ID..:** MSG
**Dilution Factor:** 1

**Analyst ID.....:** 999998

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 100 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropyl ether | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| t-Butanol | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE11N1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Tert-amyl methyl ether | ND | 10 | ug/kg | SW846 8260B |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 93 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 92 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC Volatiles

**Client Lot #...:** E1F130363
**MB Lot-Sample #:** E1F150000-400
**Analysis Date..:** 06/14/01
**Dilution Factor:** 1

**Work Order #...:** EE2AX1AA
**Prep Date.....:** 06/14/01
**Prep Batch #...:** 1166400
**Analyst ID.....:** 001464

**Matrix.....:** SOLID
**Analysis Time..:** 14:14
**Instrument ID..:** G16

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 85 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC Volatiles

**Client Lot #...:** E1F130363
**MB Lot-Sample #:** E1F150000-424
**Analysis Date..:** 06/15/01
**Dilution Factor:** 1

**Work Order #...:** EE2HH1AA
**Prep Date.....:** 06/15/01
**Prep Batch #...:** 1166424
**Analyst ID.....:** 001464

**Matrix.....:** SOLID
**Analysis Time..:** 04:00
**Instrument ID..:** G16

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C6-C8 | ND | 1.0 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 82 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid rourd-off errors in calculated results.

**METHOD BLANK REPORT**

**GC/MS Volatiles**

**Client Lot #...:** E1F130363
**MB Lot-Sample #:** E1F150000-436
**Analysis Date..:** 06/14/01
**Dilution Factor:** 1

**Work Order #...:** EE2L41AA
**Prep Date.....:** 06/14/01
**Prep Batch #...:** 1166436
**Analyst ID.....:** 015590

**Matrix.....:** SOLID
**Analysis Time..:** 21:22
**Instrument ID..:** MSD

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 100 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropyl ether | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| t-Butanol | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2L41AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Tert-amyl methyl ether | ND | 10 | ug/kg | SW846 8260B |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 86 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 95 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE4HK1AA **Matrix.....:** SOLID
**MB Lot-Sample #:** E1F180000-372

**Prep Date.....:** 06/14/01 **Analysis Time..:** 21:20
**Analysis Date..:** 06/14/01 **Prep Batch #...:** 1169372 **Instrument ID..:** MSG
**Dilution Factor:** 1

**Analyst ID.....:** 015590

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 100 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropyl ether | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| t-Butanol | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE4HK1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Tert-amyl methyl ether | ND | 10 | ug/kg | SW846 8260B |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 104 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE6PP1AA **Matrix.....:** SOLID
**MB Lot-Sample #:** E1F190000-497

**Prep Date.....:** 06/18/01 **Analysis Time..:** 11:32
**Analysis Date..:** 06/18/01 **Prep Batch #...:** 1170497 **Instrument ID..:** MSG
**Dilution Factor:** 1

**Analyst ID.....:** 999998

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 100 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropyl ether | ND | 10 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| t-Butanol | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE6PP1AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Tert-amyl methyl ether | ND | 10 | ug/kg | SW846 8260B |
| Tert-butyl ethyl ether | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 118 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 96 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE7L81AA **Matrix.....:** SOLID
**MB Lot-Sample #:** E1F200000-256

**Prep Date.....:** 06/19/01 **Analysis Time..:** 12:24
**Analysis Date..:** 06/19/01 **Prep Batch #...:** 1171256 **Instrument ID..:** MSG
**Dilution Factor:** 1

**Analyst ID.....:** 999998

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 1200 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 5000 | ug/kg | SW846 8260B |
| Benzene | ND | 250 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 250 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 250 | ug/kg | SW846 8260B |
| Bromoform | ND | 250 | ug/kg | SW846 8260B |
| Bromomethane | ND | 500 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 1200 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 250 | ug/kg | SW846 8260B |
| sec-Butylbenzene | ND | 250 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 250 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 250 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 250 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 250 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 250 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 250 | ug/kg | SW846 8260B |
| Chloroethane | ND | 500 | ug/kg | SW846 8260B |
| Chloroform | ND | 250 | ug/kg | SW846 8260B |
| Chloromethane | ND | 500 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 250 | ug/kg | SW846 8260B |
| 2-Chlorotoluene | ND | 250 | ug/kg | SW846 8260B |
| 4-Chlorotoluene | ND | 250 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 500 | ug/kg | SW846 8260B |
| 1,2-Dibromoethane | ND | 250 | ug/kg | SW846 8260B |
| Isopropyl ether | ND | 500 | ug/kg | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 250 | ug/kg | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 250 | ug/kg | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 250 | ug/kg | SW846 8260B |
| Dichlorodifluoromethane | ND | 500 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 250 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 250 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 250 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 250 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 250 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 250 | ug/kg | SW846 8260B |
| t-Butanol | ND | 5000 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 250 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 250 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 250 | ug/kg | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE7L81AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Ethylbenzene | ND | 250 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 250 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 1200 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 250 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 250 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 250 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 1200 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 250 | ug/kg | SW846 8260B |
| n-Propylbenzene | ND | 250 | ug/kg | SW846 8260B |
| Styrene | ND | 500 | ug/kg | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 250 | ug/kg | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 250 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 250 | ug/kg | SW846 8260B |
| Toluene | ND | 250 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 250 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 250 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 250 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 250 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 250 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 500 | ug/kg | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 250 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 250 | ug/kg | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 250 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 500 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 250 | ug/kg | SW846 8260B |
| Tert-amyl methyl ether | ND | 500 | ug/kg | SW846 8260B |
| Tert-butyl ethyl ether | ND | 500 | ug/kg | SW846 8260B |
| Acrolein | ND | 5000 | ug/kg | SW846 8260B |
| Iodomethane | ND | 500 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 500 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 1000 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 500 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (60 - 140) |
| 1,2-Dichloroethane-d4 | 116 | (60 - 140) |
| Toluene-d8 | 105 | (60 - 140) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC Semivolatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEXKE1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F140000-309
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1165309 **Analysis Time..:** 11:47
**Dilution Factor:** 1 **Instrument ID..:** G03
**Analyst ID.....:** 356074

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Diesel)** | **250** | **274** | **mg/kg** | **109** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 95 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC Semivolatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEXLA1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F140000-310
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1165310 **Analysis Time..:** 11:38
**Dilution Factor:** 1 **Instrument ID..:** G01
**Analyst ID.....:** 356074

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Diesel)** | **250** | **230** | **mg/kg** | **92** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 97 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE1VK1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-337
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 08:42
**Dilution Factor:** 1 **Instrument ID..:** MSD
**Analyst ID.....:** 999998

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **50.0** | **48.1** | **ug/kg** | **96** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **51.7** | **ug/kg** | **103** | **SW846 8260B** |
| **1,1-Dichloroethene** | **50.0** | **54.7** | **ug/kg** | **109** | **SW846 8260B** |
| **Toluene** | **50.0** | **51.1** | **ug/kg** | **102** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **56.1** | **ug/kg** | **112** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 108 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 108 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE11N1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-348
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 08:20
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **50.0** | **54.3** | **ug/kg** | **109** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **50.0** | **ug/kg** | **100** | **SW846 8260B** |
| **1,1-Dichloroethene** | **50.0** | **57.1** | **ug/kg** | **114** | **SW846 8260B** |
| **Toluene** | **50.0** | **50.1** | **ug/kg** | **100** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **56.2** | **ug/kg** | **112** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 105 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2AX1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-400
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166400 **Analysis Time..:** 14:42
**Dilution Factor:** 1 **Instrument ID..:** G16
**Analyst ID.....:** 001464

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **5.00** | **6.23** | **mg/kg** | **125** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 122 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2HH1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-424
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166424 **Analysis Time..:** 03:03
**Dilution Factor:** 1 **Instrument ID..:** G16
**Analyst ID.....:** 001464

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **5.00** | **6.46** | **mg/kg** | **129** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 118 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2L41AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-436
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 20:52
**Dilution Factor:** 1 **Instrument ID..:** MSD
**Analyst ID.....:** 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **50.0** | **46.9** | **ug/kg** | **94** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **50.0** | **ug/kg** | **100** | **SW846 8260B** |
| **1,1-Dichloroethene** | **50.0** | **54.8** | **ug/kg** | **110** | **SW846 8260B** |
| **Toluene** | **50.0** | **48.5** | **ug/kg** | **97** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **61.8** | **ug/kg** | **124** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE4HK1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F180000-372
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1169372 **Analysis Time..:** 20:47
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **50.0** | **52.0** | **ug/kg** | **104** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **48.6** | **ug/kg** | **97** | **SW846 8260B** |
| **1,1-Dichloroethene** | **50.0** | **51.6** | **ug/kg** | **103** | **SW846 8260B** |
| **Toluene** | **50.0** | **49.1** | **ug/kg** | **98** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **53.0** | **ug/kg** | **106** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 96 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE6PP1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F190000-497
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 11:00
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **50.0** | **44.0** | **ug/kg** | **88** | **SW846 8260B** |
| **Chlorobenzene** | **50.0** | **48.7** | **ug/kg** | **97** | **SW846 8260B** |
| **1,1-Dichloroethene** | **50.0** | **58.8** | **ug/kg** | **118** | **SW846 8260B** |
| **Toluene** | **50.0** | **49.7** | **ug/kg** | **99** | **SW846 8260B** |
| **Trichloroethene** | **50.0** | **56.3** | **ug/kg** | **113** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 114 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 89 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE7L81AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F200000-256
**Prep Date.....:** 06/19/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1171256 **Analysis Time..:** 11:10
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **2500** | **2580** | **ug/kg** | **103** | **SW846 8260B** |
| **Chlorobenzene** | **2500** | **2430** | **ug/kg** | **97** | **SW846 8260B** |
| **1,1-Dichloroethene** | **2500** | **2660** | **ug/kg** | **106** | **SW846 8260B** |
| **Toluene** | **2500** | **2340** | **ug/kg** | **93** | **SW846 8260B** |
| **Trichloroethene** | **2500** | **2670** | **ug/kg** | **107** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 115 | (60 - 140) |
| 1,2-Dichloroethane-d4 | 120 | (60 - 140) |
| Toluene-d8 | 109 | (60 - 140) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Semivolatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEXKE1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F140000-309
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1165309 **Analysis Time..:** 11:47
**Dilution Factor:** 1 **Instrument ID..:** G03
**Analyst ID.....:** 356074

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Diesel)** | **109** | **(60 - 130)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 95 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Semivolatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEXLA1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F140000-310
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1165310 **Analysis Time..:** 11:38
**Dilution Factor:** 1 **Instrument ID..:** G01
**Analyst ID.....:** 356074

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Diesel)** | **92** | **(60 - 130)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 97 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE1VK1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-337
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166337 **Analysis Time..:** 08:42
**Dilution Factor:** 1 **Instrument ID..:** MSD
**Analyst ID.....:** 999998

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **Benzene** | **96** | **(70 - 140)** | **SW846 8260B** |
| **Chlorobenzene** | **103** | **(70 - 130)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **109** | **(60 - 150)** | **SW846 8260B** |
| **Toluene** | **102** | **(70 - 130)** | **SW846 8260B** |
| **Trichloroethene** | **112** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 108 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| Toluene-d8 | 108 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE11N1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-348
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166348 **Analysis Time..:** 08:20
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **Benzene** | **109** | **(70 - 140)** | **SW846 8260B** |
| **Chlorobenzene** | **100** | **(70 - 130)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **114** | **(60 - 150)** | **SW846 8260B** |
| **Toluene** | **100** | **(70 - 130)** | **SW846 8260B** |
| **Trichloroethene** | **112** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 105 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2AX1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-400
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166400 **Analysis Time..:** 14:42
**Dilution Factor:** 1 **Instrument ID..:** G16
**Analyst ID.....:** 001464

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Gasoline)** | **125** | **(80 - 140)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 122 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2HH1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-424
**Prep Date.....:** 06/15/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166424 **Analysis Time..:** 03:03
**Dilution Factor:** 1 **Instrument ID..:** G16
**Analyst ID.....:** 001464

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Gasoline)** | **129** | **(80 - 140)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 118 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE2L41AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F150000-436
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 20:52
**Dilution Factor:** 1 **Instrument ID..:** MSD
**Analyst ID.....:** 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **Benzene** | **94** | **(70 - 140)** | **SW846 8260B** |
| **Chlorobenzene** | **100** | **(70 - 130)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **110** | **(60 - 150)** | **SW846 8260B** |
| **Toluene** | **97** | **(70 - 130)** | **SW846 8260B** |
| **Trichloroethene** | **124** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE4HK1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F180000-372
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1169372 **Analysis Time..:** 20:47
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **Benzene** | **104** | **(70 - 140)** | **SW846 8260B** |
| **Chlorobenzene** | **97** | **(70 - 130)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **103** | **(60 - 150)** | **SW846 8260B** |
| **Toluene** | **98** | **(70 - 130)** | **SW846 8260B** |
| **Trichloroethene** | **106** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 96 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE6PP1AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F190000-497
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 11:00
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **Benzene** | **88** | **(70 - 140)** | **SW846 8260B** |
| **Chlorobenzene** | **97** | **(70 - 130)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **118** | **(60 - 150)** | **SW846 8260B** |
| **Toluene** | **99** | **(70 - 130)** | **SW846 8260B** |
| **Trichloroethene** | **113** | **(70 - 130)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 114 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 89 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE7L81AC **Matrix.....:** SOLID
**LCS Lot-Sample#:** E1F200000-256
**Prep Date.....:** 06/19/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1171256 **Analysis Time..:** 11:10
**Dilution Factor:** 1 **Instrument ID..:** MSG
**Analyst ID.....:** 999998

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **Benzene** | **103** | **(60 - 130)** | **SW846 8260B** |
| **Chlorobenzene** | **97** | **(60 - 130)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **106** | **(60 - 140)** | **SW846 8260B** |
| **Toluene** | **93** | **(60 - 130)** | **SW846 8260B** |
| **Trichloroethene** | **107** | **(60 - 140)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 115 | (60 - 140) |
| 1,2-Dichloroethane-d4 | 120 | (60 - 140) |
| Toluene-d8 | 109 | (60 - 140) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EERQX1CV-MS **Matrix.....:** SOLID
**MS Lot-Sample #:** E1F120285-001 EERQX1CW-MSD
**Date Sampled...:** 06/11/01 08:46 **Date Received..:** 06/12/01 18:30 **MS Run #.....:** 1165244
**Prep Date.....:** 06/13/01 **Analysis Date..:** 06/13/01
**Prep Batch #...:** 1165305 **Analysis Time..:** 20:45
**Dilution Factor:** 1 **Analyst ID.....:** 015590 **Instrument ID..:** MSD

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **Benzene** | **ND** | **64.2** | **67.6** | **ug/kg** | **105** | | **SW846 8260B** |
| | **ND** | **64.2** | **63.2** | **ug/kg** | **98** | **6.8** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **64.2** | **68.7** | **ug/kg** | **107** | | **SW846 8260B** |
| | **ND** | **64.2** | **56.8** | **ug/kg** | **88** | **19** | **SW846 8260B** |
| **1,1-Dichloroethene** | **ND** | **64.2** | **79.1** | **ug/kg** | **123** | | **SW846 8260B** |
| | **ND** | **64.2** | **72.7** | **ug/kg** | **113** | **8.4** | **SW846 8260B** |
| **Toluene** | **ND** | **64.2** | **71.2** | **ug/kg** | **111** | | **SW846 8260B** |
| | **ND** | **64.2** | **62.7** | **ug/kg** | **98** | **13** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **64.2** | **73.4** | **ug/kg** | **114** | | **SW846 8260B** |
| | **ND** | **64.2** | **63.5** | **ug/kg** | **99** | **15** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| | 117 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 100 | (60 - 140) |
| | 102 | (60 - 140) |
| Toluene-d8 | 111 | (70 - 130) |
| | 113 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEV8E1AG-MS<br>EEV8E1AH-MSD | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130352-001 | | | | |
| **Date Sampled...:** | 06/13/01 10:00 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166187 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166348 | **Analysis Time..:** | 12:09 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSG |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **Benzene** | **ND** | **50.0** | **46.8** | **ug/kg** | **94** | | **SW846 8260B** |
| | **ND** | **50.0** | **47.9** | **ug/kg** | **96** | **2.4** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **50.0** | **41.3** | **ug/kg** | **83** | | **SW846 8260B** |
| | **ND** | **50.0** | **39.9** | **ug/kg** | **80** | **3.4** | **SW846 8260B** |
| **1,1-Dichloroethene** | **ND** | **50.0** | **47.6** | **ug/kg** | **95** | | **SW846 8260B** |
| | **ND** | **50.0** | **49.1** | **ug/kg** | **98** | **3.0** | **SW846 8260B** |
| **Toluene** | **ND** | **50.0** | **43.2** | **ug/kg** | **86** | | **SW846 8260B** |
| | **ND** | **50.0** | **43.1** | **ug/kg** | **86** | **0.23** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **50.0** | **49.5** | **ug/kg** | **99** | | **SW846 8260B** |
| | **ND** | **50.0** | **49.8** | **ug/kg** | **100** | **0.70** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 90 | (70 - 130) |
| | 90 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 94 | (60 - 140) |
| | 99 | (60 - 140) |
| Toluene-d8 | 90 | (70 - 130) |
| | 89 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWEF1AE-MS<br>EEWEF1AF-MSD | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-001 | | | | |
| **Date Sampled...:** | 06/13/01 09:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 13:04 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **TPH (as Diesel)** | **ND** | **250** | **283** | **mg/kg** | **113** | | **SW846 8015B** |
| | **ND** | **250** | **294** | **mg/kg** | **118** | **3.9** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 96 | (60 - 130) |
| | 98 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWEL1AE-MS<br>EEWEL1AF-MSD | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-003 | | | | |
| **Date Sampled...:** | 06/13/01 09:50 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1170247 |
| **Prep Date.....:** | 06/18/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1170497 | **Analysis Time..:** | 15:46 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSG |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **Benzene** | **ND** | **50.0** | **47.2** | **ug/kg** | **94** | | **SW846 8260B** |
| | **ND** | **50.0** | **43.6** | **ug/kg** | **87** | **8.0** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **50.0** | **38.6** | **ug/kg** | **77** | | **SW846 8260B** |
| | **ND** | **50.0** | **36.0** | **ug/kg** | **72** | **7.1** | **SW846 8260B** |
| **1,1-Dichloroethene** | **ND** | **50.0** | **49.4** | **ug/kg** | **99** | | **SW846 8260B** |
| | **ND** | **50.0** | **45.5** | **ug/kg** | **91** | **8.2** | **SW846 8260B** |
| **Toluene** | **ND** | **50.0** | **40.6** | **ug/kg** | **81** | | **SW846 8260B** |
| | **ND** | **50.0** | **37.4** | **ug/kg** | **75** | **8.0** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **50.0** | **46.6** | **ug/kg** | **93** | | **SW846 8260B** |
| | **ND** | **50.0** | **43.8** | **ug/kg** | **88** | **6.2** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 120 | (70 - 130) |
| | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| | 90 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |
| | 83 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEWEQ1AE-MS **Matrix.....:** SOLID
**MS Lot-Sample #:** E1F130363-007 EEWEQ1AF-MSD
**Date Sampled...:** 06/13/01 10:20 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1166222
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/15/01
**Prep Batch #...:** 1166400 **Analysis Time..:** 01:09
**Dilution Factor:** 1 **Analyst ID.....:** 001464 **Instrument ID..:** G16

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **ND** | **5.00** | **6.16** | **mg/kg** | **123** | | **SW846 8015B** |
| | **ND** | **5.00** | **5.97** | **mg/kg** | **119** | **3.2** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 122 | (60 - 130) |
| | 121 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWFJ1AE-MS<br>EEWFJ1AF-MSD | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-021 | | | | |
| **Date Sampled...:** | 06/13/01 13:22 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 12:37 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **TPH (as Diesel)** | **71** | **250** | **210** | **mg/kg** | **56 a** | | **SW846 8015B** |
| | **71** | **250** | **183** | **mg/kg** | **45 a** | **14** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 95 | (60 - 130) |
| | 84 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

## MATRIX SPIKE SAMPLE DATA REPORT

### GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWFJ1AG-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-021 | | EEWFJ1AH-MSD | | |
| **Date Sampled...:** | 06/13/01 13:22 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 13:27 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **ND** | **5.00** | **4.66** | **mg/kg** | **93** | | **SW846 8015B** |
| | **ND** | **5.00** | **4.14** | **mg/kg** | **83** | **12** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 118 | (60 - 130) |
| | 109 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEWFN1AE-MS **Matrix.....:** SOLID
**MS Lot-Sample #:** E1F130363-024 EEWFN1AF-MSD
**Date Sampled...:** 06/13/01 14:15 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1171116
**Prep Date.....:** 06/19/01 **Analysis Date..:** 06/19/01
**Prep Batch #...:** 1171256 **Analysis Time..:** 14:34
**Dilution Factor:** 1 **Analyst ID.....:** 999998 **Instrument ID..:** MSG

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **Benzene** | **ND** | **2500** | **2620** | **ug/kg** | **105** | | **SW846 8260B** |
| | **ND** | **2500** | **2960** | **ug/kg** | **119** | **12** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **2500** | **2330** | **ug/kg** | **93** | | **SW846 8260B** |
| | **ND** | **2500** | **2630** | **ug/kg** | **105** | **12** | **SW846 8260B** |
| **1,1-Dichloroethene** | **ND** | **2500** | **2670** | **ug/kg** | **107** | | **SW846 8260B** |
| | **ND** | **2500** | **3090** | **ug/kg** | **124** | **15** | **SW846 8260B** |
| **Toluene** | **ND** | **2500** | **2370** | **ug/kg** | **95** | | **SW846 8260B** |
| | **ND** | **2500** | **2710** | **ug/kg** | **108** | **13** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **2500** | **2580** | **ug/kg** | **103** | | **SW846 8260B** |
| | **ND** | **2500** | **2930** | **ug/kg** | **117** | **13** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 109 | (60 - 140) |
| | 117 | (60 - 140) |
| 1,2-Dichloroethane-d4 | 119 | (60 - 140) |
| | 124 | (60 - 140) |
| Toluene-d8 | 109 | (60 - 140) |
| | 114 | (60 - 140) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEXMD1AE-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F140219-007 | | EEXMD1AF-MSD | | |
| **Date Sampled...:** | 06/13/01 16:00 | **Date Received..:** | 06/14/01 11:30 | **MS Run #.....:** | 1169173 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1169372 | **Analysis Time..:** | 22:58 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSG |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **Benzene** | **ND** | **50.0** | **52.6** | **ug/kg** | **105** | | **SW846 8260B** |
| | **ND** | **50.0** | **52.0** | **ug/kg** | **104** | **1.2** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **50.0** | **48.9** | **ug/kg** | **98** | | **SW846 8260B** |
| | **ND** | **50.0** | **47.8** | **ug/kg** | **96** | **2.3** | **SW846 8260B** |
| **1,1-Dichloroethene** | **ND** | **50.0** | **52.9** | **ug/kg** | **106** | | **SW846 8260B** |
| | **ND** | **50.0** | **52.3** | **ug/kg** | **105** | **1.2** | **SW846 8260B** |
| **Toluene** | **ND** | **50.0** | **50.9** | **ug/kg** | **102** | | **SW846 8260B** |
| | **ND** | **50.0** | **49.6** | **ug/kg** | **99** | **2.6** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **50.0** | **53.5** | **ug/kg** | **107** | | **SW846 8260B** |
| | **ND** | **50.0** | **52.9** | **ug/kg** | **106** | **1.1** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 112 | (70 - 130) |
| | 111 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 109 | (60 - 140) |
| | 107 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |
| | 100 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EE0JT1AC-MS **Matrix.....:** SOLID
**MS Lot-Sample #:** E1F140297-004 EE0JT1AD-MSD
**Date Sampled...:** 06/14/01 08:52 **Date Received..:** 06/14/01 15:25 **MS Run #.....:** 1166243
**Prep Date.....:** 06/14/01 **Analysis Date..:** 06/14/01
**Prep Batch #...:** 1166436 **Analysis Time..:** 23:24
**Dilution Factor:** 1 **Analyst ID.....:** 015590 **Instrument ID..:** MSD

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **Benzene** | **ND** | **50.0** | **48.3** | **ug/kg** | **97** | | **SW846 8260B** |
| | **ND** | **50.0** | **47.8** | **ug/kg** | **96** | **1.1** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **50.0** | **51.1** | **ug/kg** | **102** | | **SW846 8260B** |
| | **ND** | **50.0** | **50.1** | **ug/kg** | **100** | **2.0** | **SW846 8260B** |
| **1,1-Dichloroethene** | **ND** | **50.0** | **55.0** | **ug/kg** | **110** | | **SW846 8260B** |
| | **ND** | **50.0** | **55.4** | **ug/kg** | **111** | **0.87** | **SW846 8260B** |
| **Toluene** | **ND** | **50.0** | **50.4** | **ug/kg** | **101** | | **SW846 8260B** |
| | **ND** | **50.0** | **49.3** | **ug/kg** | **99** | **2.2** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **50.0** | **62.1** | **ug/kg** | **124** | | **SW846 8260B** |
| | **ND** | **50.0** | **61.1** | **ug/kg** | **122** | **1.6** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 103 | (60 - 140) |
| | 103 | (60 - 140) |
| Toluene-d8 | 105 | (70 - 130) |
| | 103 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EERQX1CV-MS **Matrix.....:** SOLID
**MS Lot-Sample #:** E1F120285-001 EERQX1CW-MSD
**Date Sampled...:** 06/11/01 08:46 **Date Received..:** 06/12/01 18:30 **MS Run #.....:** 1165244
**Prep Date.....:** 06/13/01 **Analysis Date..:** 06/13/01
**Prep Batch #...:** 1165305 **Analysis Time..:** 20:45
**Dilution Factor:** 1 **Analyst ID.....:** 015590 **Instrument ID..:** MSD

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **105** | **(70 - 140)** | | | **SW846 8260B** |
| | **98** | **(70 - 140)** | **6.8** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **107** | **(70 - 130)** | | | **SW846 8260B** |
| | **88** | **(70 - 130)** | **19** | **(0-30)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **123** | **(60 - 150)** | | | **SW846 8260B** |
| | **113** | **(60 - 150)** | **8.4** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **111** | **(70 - 130)** | | | **SW846 8260B** |
| | **98** | **(70 - 130)** | **13** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **114** | **(70 - 130)** | | | **SW846 8260B** |
| | **99** | **(70 - 130)** | **15** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| | 117 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 100 | (60 - 140) |
| | 102 | (60 - 140) |
| Toluene-d8 | 111 | (70 - 130) |
| | 113 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEV8E1AG-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130352-001 | | EEV8E1AH-MSD | | |
| **Date Sampled...:** | 06/13/01 10:00 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166187 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166348 | **Analysis Time..:** | 12:09 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSG |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **94** | **(70 - 140)** | | | **SW846 8260B** |
| | **96** | **(70 - 140)** | **2.4** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **83** | **(70 - 130)** | | | **SW846 8260B** |
| | **80** | **(70 - 130)** | **3.4** | **(0-30)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **95** | **(60 - 150)** | | | **SW846 8260B** |
| | **98** | **(60 - 150)** | **3.0** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **86** | **(70 - 130)** | | | **SW846 8260B** |
| | **86** | **(70 - 130)** | **0.23** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **99** | **(70 - 130)** | | | **SW846 8260B** |
| | **100** | **(70 - 130)** | **0.70** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 90 | (70 - 130) |
| | 90 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 94 | (60 - 140) |
| | 99 | (60 - 140) |
| Toluene-d8 | 90 | (70 - 130) |
| | 89 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWEF1AE-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-001 | | EEWEF1AF-MSD | | |
| **Date Sampled...:** | 06/13/01 09:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165150 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/18/01 | | |
| **Prep Batch #...:** | 1165309 | **Analysis Time..:** | 13:04 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 356074 | **Instrument ID..:** | G03 |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **TPH (as Diesel)** | **113** | **(60 - 130)** | | | **SW846 8015B** |
| | **118** | **(60 - 130)** | **3.9** | **(0-35)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 96 | (60 - 130) |
| | 98 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

**Client Lot #...:** E1F130363 **Work Order #...:** EEWEL1AE-MS **Matrix.....:** SOLID
**MS Lot-Sample #:** E1F130363-003 EEWEL1AF-MSD
**Date Sampled...:** 06/13/01 09:50 **Date Received..:** 06/13/01 17:15 **MS Run #.....:** 1170247
**Prep Date.....:** 06/18/01 **Analysis Date..:** 06/18/01
**Prep Batch #...:** 1170497 **Analysis Time..:** 15:46
**Dilution Factor:** 1 **Analyst ID.....:** 999998 **Instrument ID..:** MSG

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **94** | **(70 - 140)** | | | **SW846 8260B** |
| | **87** | **(70 - 140)** | **8.0** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **77** | **(70 - 130)** | | | **SW846 8260B** |
| | **72** | **(70 - 130)** | **7.1** | **(0-30)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **99** | **(60 - 150)** | | | **SW846 8260B** |
| | **91** | **(60 - 150)** | **8.2** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **81** | **(70 - 130)** | | | **SW846 8260B** |
| | **75** | **(70 - 130)** | **8.0** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **93** | **(70 - 130)** | | | **SW846 8260B** |
| | **88** | **(70 - 130)** | **6.2** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 120 | (70 - 130) |
| | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| | 90 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |
| | 83 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWEQ1AE-MS<br>EEWEQ1AF-MSD | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-007 | | | | |
| **Date Sampled...:** | 06/13/01 10:20 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166222 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166400 | **Analysis Time..:** | 01:09 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **123** | **(80 - 140)** | | | **SW846 8015B** |
| | **119** | **(80 - 140)** | **3.2** | **(0-40)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 122 | (60 - 130) |
| | 121 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid rourd-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWFJ1AE-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-C21 | | EEWFJ1AF-MSD | | |
| **Date Sampled...:** | 06/13/01 13:22 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1165153 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1165310 | **Analysis Time..:** | 12:37 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 356074 | **Instrument ID..:** | G01 |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **TPH (as Diesel)** | **56 a** | **(60 - 130)** | | | **SW846 8015B** |
| | **45 a** | **(60 - 130)** | **14** | **(0-35)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 95 | (60 - 130) |
| | 84 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWFJ1AG-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-021 | | EEWFJ1AH-MSD | | |
| **Date Sampled...:** | 06/13/01 13:22 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1166234 |
| **Prep Date.....:** | 06/15/01 | **Analysis Date..:** | 06/15/01 | | |
| **Prep Batch #...:** | 1166424 | **Analysis Time..:** | 13:27 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 001464 | **Instrument ID..:** | G16 |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **93** | **(80 - 140)** | | | **SW846 8015B** |
| | **83** | **(80 - 140)** | **12** | **(0-40)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 118 | (60 - 130) |
| | 109 | (60 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEWFN1AE-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F130363-024 | | EEWFN1AF-MSD | | |
| **Date Sampled...:** | 06/13/01 14:15 | **Date Received..:** | 06/13/01 17:15 | **MS Run #.....:** | 1171116 |
| **Prep Date.....:** | 06/19/01 | **Analysis Date..:** | 06/19/01 | | |
| **Prep Batch #...:** | 1171256 | **Analysis Time..:** | 14:34 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSG |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **105** | **(60 - 130)** | | | **SW846 8260B** |
| | **119** | **(60 - 130)** | **12** | **(0-35)** | **SW846 8260B** |
| **Chlorobenzene** | **93** | **(60 - 130)** | | | **SW846 8260B** |
| | **105** | **(60 - 130)** | **12** | **(0-35)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **107** | **(60 - 140)** | | | **SW846 8260B** |
| | **124** | **(60 - 140)** | **15** | **(0-35)** | **SW846 8260B** |
| **Toluene** | **95** | **(60 - 130)** | | | **SW846 8260B** |
| | **108** | **(60 - 130)** | **13** | **(0-35)** | **SW846 8260B** |
| **Trichloroethene** | **103** | **(60 - 140)** | | | **SW846 8260B** |
| | **117** | **(60 - 140)** | **13** | **(0-35)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 109 | (60 - 140) |
| | 117 | (60 - 140) |
| 1,2-Dichloroethane-d4 | 119 | (60 - 140) |
| | 124 | (60 - 140) |
| Toluene-d8 | 109 | (60 - 140) |
| | 114 | (60 - 140) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EEXMD1AE-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F140219-007 | | EEXMD1AF-MSD | | |
| **Date Sampled...:** | 06/13/01 16:00 | **Date Received..:** | 06/14/01 11:30 | **MS Run #.....:** | 1169173 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1169372 | **Analysis Time..:** | 22:58 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSG |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **105** | **(70 - 140)** | | | **SW846 8260B** |
| | **104** | **(70 - 140)** | **1.2** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **98** | **(70 - 130)** | | | **SW846 8260B** |
| | **96** | **(70 - 130)** | **2.3** | **(0-30)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **106** | **(60 - 150)** | | | **SW846 8260B** |
| | **105** | **(60 - 150)** | **1.2** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **102** | **(70 - 130)** | | | **SW846 8260B** |
| | **99** | **(70 - 130)** | **2.6** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **107** | **(70 - 130)** | | | **SW846 8260B** |
| | **106** | **(70 - 130)** | **1.1** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 112 | (70 - 130) |
| | 111 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 109 | (60 - 140) |
| | 107 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |
| | 100 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1F130363 | **Work Order #...:** | EE0JT1AC-MS | **Matrix.....:** | SOLID |
| **MS Lot-Sample #:** | E1F140297-004 | | EE0JT1AD-MSD | | |
| **Date Sampled...:** | 06/14/01 08:52 | **Date Received..:** | 06/14/01 15:25 | **MS Run #.....:** | 1166243 |
| **Prep Date.....:** | 06/14/01 | **Analysis Date..:** | 06/14/01 | | |
| **Prep Batch #...:** | 1166436 | **Analysis Time..:** | 23:24 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **Benzene** | **97** | **(70 - 140)** | | | **SW846 8260B** |
| | **96** | **(70 - 140)** | **1.1** | **(0-30)** | **SW846 8260B** |
| **Chlorobenzene** | **102** | **(70 - 130)** | | | **SW846 8260B** |
| | **100** | **(70 - 130)** | **2.0** | **(0-30)** | **SW846 8260B** |
| **1,1-Dichloroethene** | **110** | **(60 - 150)** | | | **SW846 8260B** |
| | **111** | **(60 - 150)** | **0.87** | **(0-30)** | **SW846 8260B** |
| **Toluene** | **101** | **(70 - 130)** | | | **SW846 8260B** |
| | **99** | **(70 - 130)** | **2.2** | **(0-30)** | **SW846 8260B** |
| **Trichloroethene** | **124** | **(70 - 130)** | | | **SW846 8260B** |
| | **122** | **(70 - 130)** | **1.6** | **(0-30)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 103 | (60 - 140) |
| | 103 | (60 - 140) |
| Toluene-d8 | 105 | (70 - 130) |
| | 103 | (70 - 130) |

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters