C2 and C66 Box 7

Extended Raw Data level III
8260B Initial Cal Data (2)
8260B Sample/QC Data (4)
TVPH Sample and QC Data $C_6 - C_8$ (2)
Initial Cal. Data
TEPH level III $C_8$ to $C_{40}$
" Sample & QC Data
Extraction Notes
Initial Cal. Data Diesel $C_{10} - C_{24}$
" " " GC1
$C_8 - C_{40}$
Supporting Raw Data

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

November 3, 2000

STL LOT NUMBER: **E0J100272**

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the 26 samples received under chain of custody by STL Los Angeles on October 10, 2000. These samples are associated with your Boeing C6 project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Matrix related anomalies are footnoted within the report.

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.

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

SEVERN TRENT SERVICES

STL Los Angeles

LOT NUMBER E0J100272

Nonconformance E00998

**Affected Samples:**
1: C-2-113-5
3: C-2-115-1'
4: C-2-115-5
6: C-2-114-5
8: C-2-116-5'

**Affected Methods:**
6010B

**Case Narrative:**
*The selenium CCB at 19:00 on 10/13/00 was above the RL at 0.00618 mg/L (0.618 mg/kg) vs 0.005 mg/L. All affected samples were ND for selenium and thus will not be impacted by the CCB result.*

BOE-C6-0167124

# SEVERN TRENT LABORATORIES

Committed To Your Success

No. 203033

# CHAIN OF CUSTODY RECORD

| CUSTOMER INFORMATION | PROJECT INFORMATION |
|---|---|
| COMPANY: Kennedy Jenks | PROJECT NAME/NUMBER: 004032.01 |
| SEND REPORT TO: Jay Knightbo | BILLING INFORMATION |
| ADDRESS: 2151 Michelson Dr. Ste 100 | BILL TO: |
| Irvine Ca 92612 | ADDRESS: |
| | |
| PHONE: 949-261-1577 | PHONE: |
| FAX: | FAX: PO NO.: |

LAB JOB NO.: EAT100872

| SAMPLE NO. | SAMPLE DESCRIPTION | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER | PRESERV. | NUMBER OF CONTAINERS | 8260 VOC | 6010 METALS | 8015 TPH | | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C-2-116-15' | 10/10/00 | 12:00 | Soil | Poly Tube | ICE | 1 | X | | X | | | | | | |
| | C-66-12-5' | | 13:45 | | | | 1 | X | X | X | | | | | | |
| | C-66-8-1' | | 14:00 | | | | 1 | X | X | X | | | | | | |
| | C-66-8-5' | | 14:05 | | | | 1 | X | X | X | | | | | | |
| | C-2-120-1' | | 14:15 | | | | 1 | X | X | X | | | | | | |
| | C-2-120-5 | | 14:20 | | | | 1 | X | X | X | | | | | | |
| | C-2-125-1 | | 14:50 | | | | 1 | X | X | X | | | | | | |
| | C-2-125-5 | | 14:55 | | | | 1 | X | X | X | | | | | | |
| | C-2-129-1 | | 15:00 | | | | 1 | X | X | X | | | | | | |
| | C-2-129-5 | | 15:05 | | | | 1 | X | X | X | | | | | | |

SAMPLER: Tim

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

| 1. RELINQUISHED BY: | DATE | 2. RELINQUISHED BY: | DATE | 3. RELINQUISHED BY: | DATE |
|---|---|---|---|---|---|
| SIGNATURE: Tim Doyle | 10/10/00 | SIGNATURE: | | SIGNATURE: | |
| PRINTED NAME/COMPANY: Tim Doyle KH | TIME 1600 | PRINTED NAME/COMPANY: | TIME | PRINTED NAME/COMPANY: | TIME |
| 1. RECEIVED BY: | DATE | 2. RECEIVED BY: | DATE | 3. RECEIVED BY: | DATE |
| SIGNATURE: [illegible] | 10-10-00 | SIGNATURE: Adolfo Villalobos | 10/10 | SIGNATURE: | |
| PRINTED NAME/COMPANY: STL | TIME 1600 | PRINTED NAME/COMPANY: STL | TIME 16:00 | PRINTED NAME/COMPANY: | TIME |

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

000003


**SEVERN TRENT LABORATORIES**
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

BOE-C6-0167125

# SEVERN TRENT LABORATORIES

Committed To Your Success

No. 203032

# CHAIN OF CUSTODY RECORD

| CUSTOMER INFORMATION | PROJECT INFORMATION |
|---|---|
| COMPANY: Kennedy Jenks | PROJECT NAME/NUMBER: 004032.01 |
| SEND REPORT TO: Jay Knight | BILLING INFORMATION |
| ADDRESS: 2151 Michelson Dr. Ste. 100 | BILL TO: |
| Irvine, CA 92612 | ADDRESS: |
| PHONE: 949-261-1577 | PHONE: |
| FAX: | FAX: PO NO.: |

LAB JOB NO. EOT100272

| SAMPLE NO. | SAMPLE DESCRIPTION | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER | PRESERV. | NUMBER OF CONTAINERS | 8260 VOC | 6010 Metals | 8015 TPH | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C-2-113-5 | 10/10/00 | 9:00 | Soil | Poly. Liner | ICE | 1 | X | X | X | |
| | C-2-113-10 | | 9:25 | | | | | X | | | |
| | C-2-115-1' | | 10:00 | | | | | X | X | X | |
| | C-2-115-5 | | 10:05 | | | | | X | X | X | |
| | C-2-115-10 | | 10:15 | | | | | X | | | |
| | C-2-114-5 | | 10:35 | | | | | X | X | | |
| | C-2-114-10 | | 10:50 | | | | | X | | | |
| | C-2-116-5' | | 11:25 | | | | | X | X | X | |
| | C-2-116-10 | | 11:35 | | | | | X | | X | |
| | C-66-12 | 10/10/00 | 13:30 | Soil | Poly Liner | ICE | 1 | X | X | X | |

SAMPLER: Tim

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

| 1. RELINQUISHED BY: | DATE | 2. RELINQUISHED BY: | DATE | 3. RELINQUISHED BY: | DATE |
|---|---|---|---|---|---|
| SIGNATURE: [signature] | 10/10/00 | SIGNATURE: | | SIGNATURE: | |
| PRINTED NAME/COMPANY: Tim Doyle KJ | TIME 1600 | PRINTED NAME/COMPANY: | TIME | PRINTED NAME/COMPANY: | TIME |
| 1. RECEIVED BY: | DATE | 2. RECEIVED BY: | DATE | 3. RECEIVED BY: | DATE |
| SIGNATURE: [signature] | 10/10/00 | SIGNATURE: Adolfo Villalobos | 10/10 | SIGNATURE: | |
| PRINTED NAME/COMPANY: STL | TIME [illegible] | PRINTED NAME/COMPANY: STL | TIME 16:00 | PRINTED NAME/COMPANY: | TIME |

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

000004


**SEVERN TRENT LABORATORIES**
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

BOE-C6-0167126

# SEVERN TRENT LABORATORIES

Committed To Your Success

No. 203035

# CHAIN OF CUSTODY RECORD

| CUSTOMER INFORMATION | PROJECT INFORMATION |
|---|---|
| COMPANY: Kennedy Jenks | PROJECT NAME/NUMBER: 004052.01 |
| SEND REPORT TO: Jay Knight | BILLING INFORMATION |
| ADDRESS: 2151 Michelson Dr. Ste. 100 | BILL TO: |
| Irvine Ca 92612 | ADDRESS: |
| | |
| PHONE: 949-261-1577 | PHONE: |
| FAX: | FAX: PO NO.: |

LAB JOB NO. EOJ100272

| SAMPLE NO. | SAMPLE DESCRIPTION | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER | PRESERV. | NUMBER OF CONTAINERS | 8260 VOC | 6010 METALS | 8015 TPH | | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C-2-128-5 | 10/10/00 | 15:15 | Soil | Poly Jar | ICE | 1 | X | X | X | | | | | | |
| | C-2-128-10 | | 15:25 | | | | | X | | | | | | | | |
| | C-2-126-5 | | 15:35 | | | | | X | X | | | | | | | |
| | C-2-126-10 | | 15:45 | | | | | X | | | | | | | | |
| | C-2-10/10 Rinsate | | 16:00 | | | | | X | | | | | | | | |

SAMPLER: [illegible]

SHIPMENT METHOD:

AIRBILL NO.:

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER

| 1. RELINQUISHED BY: | DATE | 2. RELINQUISHED BY: | DATE | 3. RELINQUISHED BY: | DATE |
|---|---|---|---|---|---|
| SIGNATURE: [illegible] | 10/10/00 | SIGNATURE: | | SIGNATURE: | |
| PRINTED NAME/COMPANY: [illegible] KJ | TIME 16:00 | PRINTED NAME/COMPANY: | TIME | PRINTED NAME/COMPANY: | TIME |
| 1. RECEIVED BY: | DATE | 2. RECEIVED BY: | DATE | 3. RECEIVED BY: | DATE |
| SIGNATURE: [illegible] | 10-10-00 | SIGNATURE: Adolfo Villalobos | 10/10 | SIGNATURE: | |
| PRINTED NAME/COMPANY: SR | TIME 16:00 | PRINTED NAME/COMPANY: STL | TIME 16:00 | PRINTED NAME/COMPANY: | TIME |

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

000005


**SEVERN TRENT LABORATORIES**
1721 South Grand Avenue
Santa Ana, CA 92705
Phone: (714) 258-8610 / Fax: (714) 258-0921

# STL – LOS ANGELES
## PROJECT RECEIPT CHECKLIST

Date: 10-10-00

Quantims Lot #: EOJ100272 Quote #: 38629
Client Name: KENNEDY JENKS Project: Bowers
Received by: AU Date/Time Received: 10/10 16:00
Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B.
☐UPS ☐DES ☒Other MIKE HERNANDEZ

| | | Initial / Date |
|---|---|---|
| Custody Seal Status: | ☐Intact ☐Broken ☒None | AU 10/10 |
| Custody Seal #(s): | ☐No Seal # | |
| Sample Container(s): | ☐STL-LA ☐Client ☒N/A | |
| Temperature(s) (COOLER/BLANK) in °C: | 16.0 NONE (CORRECTED TEMP) | |
| Thermometer Used : | ☒IR (Infra-red) ☐Digital (Probe) | |
| Samples: | ☒Intact ☐Broken ☐Other | |
| Anomalies: | ☐No ☒Yes (See Clouseau) SUR | |
| Labeled by | | |
| Labeling checked by | | U |

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) :

LEAVE NO BLANK SPACES ; USE N/A

| Fraction | 1 to 24 | 25 | 26 | | | | | | | | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOAh * | | 2 | 2 | | | | | | | | N/A |
| PLASTIC SLEEVE | 1 | | | | | | | | | | |
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h: HCl ss: Sodium Hydroxide zss: Zinc Acetate/Sodium Hydroxide s: $H_2SO_4$ n: $HNO_3$ n/F: $HNO_3$-Field filtered n/FL: $HNO_3$-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: REVIEWED BY/DATE:

STL Los Angeles
Condition Upon Receipt Anomaly Report (CUR)

TRENT SERVICES

Client: KENNEDY JENKS  Date/Time 10/10/00 16:00
Lot No:  Initiated by: AV

| Affected samples | | Chain of Custody # |
|---|---|---|
| Client ID | Lab ID | Analyses Requested |
| TRIP BLANK INCLUDE | 26 | |
| | | |
| BUT NOT ON COC | | |
| | | |
| | | |
| | | |

CONDITION/ANOMALY/VARIANCE (CHECK ALL THAT APPLY):

- COOLERS
  - ☐ Not Received, No (COC)
  - ☐ Not Received but COC (s) Available
  - ☐ Leaking
  - ☐ Other: _____
- CUSTODY SEALS (COOLER(S)/CONTAINER(S)
  - ☐ None
  - ☐ Not Intact
  - ☐ Other _____
- TEMPERATURE (SPECS 4 ± 2°C)
  - ☒ Cooler Temp(s) 16°.0
  - ☒ Temperature Blank(s) NONE
- CHAIN OF CUSTODY (COC)
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other _____
- CONTAINERS
  - ☐ Leaking
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ VOA Vials with Headspace _____ mm
  - ☐ Other: _____
- CONTAINERS LABELS
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
    - ☐ Preservative
    - ☐ Collection _____ Time _____ Date
  - ☐ Markings/Info illegible
  - ☐ Torn
  - ☐ Other _____
- SAMPLES
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☑ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Other _____
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis

Comments _____

Corrective Action Implemented:
- ☐ Client Informed: verbally on _____ By: _____ In writing on _____ By: _____
- ☐ Sample(s) processed "as is." _____
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Sample Control Supervisor Review: _____ Date: _____
Project Management Review: _____ Date: 10/11/00

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

# ANALYTICAL REPORT

Boeing C6

Lot #: E0J100272

Rus Purcell

Kennedy/Jenks Consultants

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

October 28, 2000

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-2-113-5 10/10/00 09:00 001** | | | | |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.027 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 22300 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.8 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 122 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 23.9 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.60 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 11.7 | 5.0 | mg/kg | SW846 6010B |
| Copper | 16.1 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.61 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 16.2 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 1.1 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 51.9 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 53.5 | 2.0 | mg/kg | SW846 6010B |
| **C-2-115-1' 10/10/00 10:00 003** | | | | |
| C10-C11 | 37 | 10 | mg/kg | SW846 8015B |
| C24-C27 | 6.7 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 52 | 10 | mg/kg | SW846 8015B |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 14300 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.0 | 1.0 | mg/kg | SW846 6010B |
| Barium | 99.8 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 17.3 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.43 B | 0.50 | mg/kg | SW846 6010B |
| Lead | 6.9 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 8.6 | 5.0 | mg/kg | SW846 6010B |
| Copper | 14.1 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.55 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 10.3 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.76 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 35.0 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 36.9 | 2.0 | mg/kg | SW846 6010B |
| **C-2-115-5 10/10/00 10:05 004** | | | | |
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.046 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 32600 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.7 | 1.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-2-115-5 10/10/00 10:05 004** | | | | |
| Barium | 146 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 33.0 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.84 | 0.50 | mg/kg | SW846 6010B |
| Lead | 6.4 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 28.1 | 5.0 | mg/kg | SW846 6010B |
| Copper | 18.7 | 2.5 | mg/kg | SW846 6010B |
| Nickel | 20.6 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 1.3 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 61.4 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 59.9 | 2.0 | mg/kg | SW846 6010B |
| **C-2-114-5 10/10/00 10:33 006** | | | | |
| Aluminum | 18000 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.7 | 1.0 | mg/kg | SW846 6010B |
| Barium | 107 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 19.7 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.54 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.6 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.3 | 5.0 | mg/kg | SW846 6010B |
| Copper | 14.9 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.56 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 11.5 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.76 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 41.5 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 36.0 | 2.0 | mg/kg | SW846 6010B |
| **C-2-114-10 10/10/00 10:50 007** | | | | |
| Chloroform | 2.7 J | 5.0 | ug/kg | SW846 8260B |
| **C-2-116-5' 10/10/00 11:23 008** | | | | |
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 20500 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.6 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.49 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 100 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 23.1 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.60 | 0.50 | mg/kg | SW846 6010B |
| Lead | 5.1 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 11.1 | 5.0 | mg/kg | SW846 6010B |
| Copper | 14.6 | 2.5 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-2-116-5' 10/10/00 11:23 008** | | | | |
| Molybdenum | 0.73 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 14.0 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.81 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 46.0 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 41.8 | 2.0 | mg/kg | SW846 6010B |
| **C-2-116-10 10/10/00 11:35 009** | | | | |
| C6-C8 | 0.16 J,B | 1.0 | mg/kg | SW846 8015B |
| **C-66-12 10/10/00 13:30 010** | | | | |
| C6-C8 | 0.16 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.024 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 15500 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.1 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 80.7 | 2.0 | mg/kg | SW846 6010B |
| Cadmium | 0.28 B | 0.50 | mg/kg | SW846 6010B |
| Chromium | 57.3 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.43 B | 0.50 | mg/kg | SW846 6010B |
| Lead | 13.4 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.0 | 5.0 | mg/kg | SW846 6010B |
| Copper | 96.1 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 3.2 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 53.7 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 1.3 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 41.3 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 123 | 2.0 | mg/kg | SW846 6010B |
| **C-2-116-15' 10/10/00 12:00 011** | | | | |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| **C-66-12-5'' 10/10/00 13:45 012** | | | | |
| Total Carbon Chain Range | 8.3 J | 10 | mg/kg | SW846 8015B |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.035 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 23300 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 3.3 | 1.0 | mg/kg | SW846 6010B |
| Barium | 143 | 2.0 | mg/kg | SW846 6010B |
| Cadmium | 0.18 B | 0.50 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-66-12-5'' 10/10/00 13:45 012** | | | | |
| Chromium | 29.7 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.63 | 0.50 | mg/kg | SW846 6010B |
| Lead | 12.9 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 10.5 | 5.0 | mg/kg | SW846 6010B |
| Copper | 29.1 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.60 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 21.1 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.79 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 58.8 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 75.5 | 2.0 | mg/kg | SW846 6010B |
| Acetone | 37 | 25 | ug/kg | SW846 8260B |
| **C-66-8-1' 10/10/00 14:00 013** | | | | |
| Total Carbon Chain Range | 5.7 J | 10 | mg/kg | SW846 8015B |
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 14000 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.0 | 1.0 | mg/kg | SW846 6010B |
| Barium | 63.7 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 27.2 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.44 B | 0.50 | mg/kg | SW846 6010B |
| Lead | 3.9 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 7.0 | 5.0 | mg/kg | SW846 6010B |
| Copper | 12.8 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 1.2 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 15.4 | 4.0 | mg/kg | SW846 6010B |
| Vanadium | 41.8 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 51.6 | 2.0 | mg/kg | SW846 6010B |
| **C-66-8-5' 10/10/00 14:05 014** | | | | |
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 11900 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.4 | 1.0 | mg/kg | SW846 6010B |
| Barium | 64.0 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 21.5 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.34 B | 0.50 | mg/kg | SW846 6010B |
| Lead | 3.3 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 6.6 | 5.0 | mg/kg | SW846 6010B |
| Copper | 9.3 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.38 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 13.3 | 4.0 | mg/kg | SW846 6010B |
| Vanadium | 34.9 | 5.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-66-8-5' 10/10/00 14:05 014** | | | | |
| Zinc | 43.7 | 2.0 | mg/kg | SW846 6010B |
| **C-2-120-1' 10/10/00 14:15 015** | | | | |
| Total Carbon Chain Range | 8.1 J | 10 | mg/kg | SW846 8015B |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.039 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 18500 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.2 | 1.0 | mg/kg | SW846 6010B |
| Barium | 122 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 20.8 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.56 | 0.50 | mg/kg | SW846 6010B |
| Lead | 5.0 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.8 | 5.0 | mg/kg | SW846 6010B |
| Copper | 16.0 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.46 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 13.8 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 1.3 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 42.8 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 41.5 | 2.0 | mg/kg | SW846 6010B |
| **C-2-120-5' 10/10/00 14:20 016** | | | | |
| C6-C8 | 0.16 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 17100 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.6 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.21 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 282 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 20.5 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.52 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.4 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 10.4 | 5.0 | mg/kg | SW846 6010B |
| Copper | 16.3 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.58 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 14.6 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.90 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 41.4 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 42.8 | 2.0 | mg/kg | SW846 6010B |
| Trichloroethene | 4.2 J | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-2-125-1 10/10/00 14:30 017** | | | | |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 21900 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.2 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.27 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 167 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 26.6 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.68 | 0.50 | mg/kg | SW846 6010B |
| Lead | 312 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 12.5 | 5.0 | mg/kg | SW846 6010B |
| Copper | 23.2 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.50 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 19.3 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.58 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 49.0 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 114 | 2.0 | mg/kg | SW846 6010B |
| **C-2-125-5 10/10/00 14:35 018** | | | | |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.034 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 23300 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 3.5 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.42 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 174 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 25.8 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.69 | 0.50 | mg/kg | SW846 6010B |
| Lead | 5.4 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 11.0 | 5.0 | mg/kg | SW846 6010B |
| Copper | 18.4 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.65 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 18.7 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 1.0 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 52.4 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 49.3 | 2.0 | mg/kg | SW846 6010B |
| **C-2-129-1 10/10/00 15:00 019** | | | | |
| C18-C19 | 5.2 J | 10 | mg/kg | SW846 8015B |
| Total Carbon Chain Range | 10 | 10 | mg/kg | SW846 8015B |
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.023 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 21600 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.8 | 1.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-2-129-1 10/10/00 15:00 019** | | | | |
| Antimony | 0.64 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 157 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 25.9 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.66 | 0.50 | mg/kg | SW846 6010B |
| Lead | 12.4 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 12.2 | 5.0 | mg/kg | SW846 6010B |
| Copper | 22.3 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.63 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 17.7 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.79 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 52.1 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 57.3 | 2.0 | mg/kg | SW846 6010B |
| **C-2-129-5 10/10/00 15:05 020** | | | | |
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | SW846 8015B |
| Aluminum | 17600 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 2.8 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.50 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 172 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 21.1 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.56 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.9 | 5.0 | mg/kg | SW846 6010B |
| Copper | 17.0 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.50 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 15.3 | 4.0 | mg/kg | SW846 6010B |
| Vanadium | 42.6 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 39.7 | 2.0 | mg/kg | SW846 6010B |
| **C-2-128-5 10/10/00 15:15 021** | | | | |
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | SW846 8015B |
| Mercury | 0.025 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 22700 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 3.1 | 1.0 | mg/kg | SW846 6010B |
| Barium | 156 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 25.1 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.61 | 0.50 | mg/kg | SW846 6010B |
| Lead | 5.1 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 10.2 | 5.0 | mg/kg | SW846 6010B |
| Copper | 18.5 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.42 B | 4.0 | mg/kg | SW846 6010B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E0J100272

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **C-2-128-5 10/10/00 15:15 021** | | | | |
| Nickel | 18.9 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 0.76 B | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 54.4 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 58.6 | 2.0 | mg/kg | SW846 6010B |
| **C-2-126-5 10/10/00 15:35 023** | | | | |
| Mercury | 0.068 B | 0.10 | mg/kg | SW846 7471A |
| Aluminum | 24700 | 20.0 | mg/kg | SW846 6010B |
| Arsenic | 4.0 | 1.0 | mg/kg | SW846 6010B |
| Antimony | 0.46 B | 6.0 | mg/kg | SW846 6010B |
| Barium | 288 | 2.0 | mg/kg | SW846 6010B |
| Chromium | 27.5 | 1.0 | mg/kg | SW846 6010B |
| Beryllium | 0.66 | 0.50 | mg/kg | SW846 6010B |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B |
| Cobalt | 9.4 | 5.0 | mg/kg | SW846 6010B |
| Copper | 17.5 | 2.5 | mg/kg | SW846 6010B |
| Molybdenum | 0.65 B | 4.0 | mg/kg | SW846 6010B |
| Nickel | 19.0 | 4.0 | mg/kg | SW846 6010B |
| Thallium | 1.6 | 1.0 | mg/kg | SW846 6010B |
| Vanadium | 55.0 | 5.0 | mg/kg | SW846 6010B |
| Zinc | 58.3 | 2.0 | mg/kg | SW846 6010B |
| **C-2-10/10 RINSATE 10/10/00 16:00 025** | | | | |
| Benzene | 2.0 | 2.0 | ug/L | SW846 8260B |
| Methyl tert-butyl ether | 190 | 2.0 | ug/L | SW846 8260B |
| Toluene | 3.3 | 2.0 | ug/L | SW846 8260B |

# METHODS SUMMARY

E0J100272

| PARAMETER | ANALYTICAL METHOD | PREPARATION METHOD |
|---|---|---|
| Extractable Petroleum Hydrocarbons | SW846 8015B | SANA AUTO-SHAKE |
| Inductively Coupled Plasma (ICP) Metals | SW846 6010B | SW846 3050B |
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A | SW846 7471A |
| Volatile Organics by GC/MS | SW846 8260B | SW846 5030 |
| Volatile Organics by GC/MS | SW846 8260B | SW846 5030B/826 |
| 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

E0J100272

| WO # | SAMPLE# | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|---|
| DLW5C | 001 | C-2-113-5 | 10/10/00 | 09:00 |
| DLW5K | 002 | C-2-113-10 | 10/10/00 | 09:25 |
| DLW5M | 003 | C-2-115-1' | 10/10/00 | 10:00 |
| DLW5N | 004 | C-2-115-5 | 10/10/00 | 10:05 |
| DLW5P | 005 | C-2-115-10 | 10/10/00 | 10:15 |
| DLW5R | 006 | C-2-114-5 | 10/10/00 | 10:33 |
| DLW5V | 007 | C-2-114-10 | 10/10/00 | 10:50 |
| DLW60 | 008 | C-2-116-5' | 10/10/00 | 11:23 |
| DLW62 | 009 | C-2-116-10 | 10/10/00 | 11:35 |
| DLW63 | 010 | C-66-12 | 10/10/00 | 13:30 |
| DLW65 | 011 | C-2-116-15' | 10/10/00 | 12:00 |
| DLW69 | 012 | C-66-12-5'' | 10/10/00 | 13:45 |
| DLW6C | 013 | C-66-8-1' | 10/10/00 | 14:00 |
| DLW6D | 014 | C-66-8-5' | 10/10/00 | 14:05 |
| DLW6E | 015 | C-2-120-1' | 10/10/00 | 14:15 |
| DLW6F | 016 | C-2-120-5' | 10/10/00 | 14:20 |
| DLW6G | 017 | C-2-125-1 | 10/10/00 | 14:30 |
| DLW6J | 018 | C-2-125-5 | 10/10/00 | 14:35 |
| DLW6L | 019 | C-2-129-1 | 10/10/00 | 15:00 |
| DLW6M | 020 | C-2-129-5 | 10/10/00 | 15:05 |
| DLW6P | 021 | C-2-128-5 | 10/10/00 | 15:15 |
| DLW6T | 022 | C-2-128-10 | 10/10/00 | 15:25 |
| DLW6V | 023 | C-2-126-5 | 10/10/00 | 15:35 |
| DLW71 | 024 | C-2-126-10 | 10/10/00 | 15:45 |
| DLW72 | 025 | C-2-10/10 RINSATE | 10/10/00 | 16:00 |
| DLW74 | 026 | TRIP BLANK | 10/10/00 | |

**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.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-5

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-001 | Work Order #...: | DLW5C102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 09:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/19/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 21:40 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-5

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-001 | Work Order #...: | DLW5C103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 09:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 07:17 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-001 Work Order #...: DLW5C101 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00 MS Run #.....: 0298340
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 14:06
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-001 Work Order #...: DLW5C101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 100 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-002 Work Order #...: DLW5K101 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:25 Date Received..: 10/10/00 16:00 MS Run #.....: 0298340
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 14:41
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-002 Work Order #...: DLW5K101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 104 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-1'

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-003 | Work Order #...: | DLW5M102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 10:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 11:46 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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** | **37** | **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** | **6.7 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** | **52** | **10** | **mg/kg** | **5.0** |

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

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-1'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-003 | Work Order #...: | DLW5M103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 10:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 07:46 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 93 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-1'

GC/MS Volatiles

Lot-Sample #...: E0J100272-003 Work Order #...: DLW5M101 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:00 Date Received..: 10/10/00 16:00 MS Run #.....: 0298340
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 15:16
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-1'

GC/MS Volatiles

Lot-Sample #...: E0J100272-003 Work Order #...: DLW5M101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 103 | (60 - 140) |
| Toluene-d8 | 95 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-5

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-004 | Work Order #...: | DLW5N102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 10:05 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/19/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 23:41 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-5

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-004 | Work Order #...: | DLW5N103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 10:05 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 08:14 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 96 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-004 Work Order #...: DLW5N101 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:05 Date Received..: 10/10/00 16:00 MS Run #.....: 0298340
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 15:51
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-004 Work Order #...: DLW5N101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-005 Work Order #...: DLW5P101 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:15 Date Received..: 10/10/00 16:00 MS Run #.....: 0298340
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 16:26
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-005 Work Order #...: DLW5P101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 114 | (60 - 140) |
| Toluene-d8 | 102 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-114-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-006 Work Order #...: DLW5R101 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:33 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 01:04
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-114-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-006 Work Order #...: DLW5R101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 94 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-114-10

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E0J100272-007 | **Work Order #...:** | DLW5V101 | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 10/10/00 10:50 | **Date Received..:** | 10/10/00 16:00 | **MS Run #.....:** | 0298344 |
| **Prep Date.....:** | 10/22/00 | **Analysis Date..:** | 10/22/00 | | |
| **Prep Batch #...:** | 0298634 | **Analysis Time..:** | 02:47 | | |
| **Dilution Factor:** | 1 | | | | |
| **% Moisture.....:** | | **Analyst ID.....:** | 004648 | **Instrument ID..:** | MSG |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| **Chloroform** | **2.7 J** | **5.0** | **ug/kg** | **1.0** |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-114-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-007 Work Order #...: DLW5V101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 102 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-5'

GC Semivolatiles

Lot-Sample #...: E0J100272-008 Work Order #...: DLW60102 Matrix.....: SOLID
Date Sampled...: 10/10/00 11:23 Date Received..: 10/10/00 16:00 MS Run #.....: 0285283
Prep Date.....: 10/11/00 Analysis Date..: 10/20/00
Prep Batch #...: 0285569 Analysis Time..: 00:11
Dilution Factor: 1
% Moisture.....: 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-5'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-008 | Work Order #...: | DLW60103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 11:23 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 08:42 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 76 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-5'

GC/MS Volatiles

Lot-Sample #...: E0J100272-008 Work Order #...: DLW60101 Matrix.....: SOLID
Date Sampled...: 10/10/00 11:23 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 03:22
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-5'

GC/MS Volatiles

Lot-Sample #...: E0J100272-008 Work Order #...: DLW60101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 120 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 100 | (60 - 140) |
| Toluene-d8 | 112 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-10

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-009 | Work Order #...: | DLW62102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 11:35 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 00:41 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-10

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-009 | Work Order #...: | DLW62103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 11:35 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 09:11 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.16 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 96 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-009 Work Order #...: DLW62101 Matrix.....: SOLID
Date Sampled...: 10/10/00 11:35 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 03:56
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-009 Work Order #...: DLW62101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 112 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-010 | Work Order #...: | DLW63102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 13:30 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 01:11 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-010 | Work Order #...: | DLW63103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 13:30 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 09:39 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.16 J,B | 1.0 | mg/kg | 0.10 |

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

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-010 | Work Order #...: | DLW63101 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 13:30 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298344 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298634 | Analysis Time..: | 04:30 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 004648 | Instrument ID..: | MSG |
| | | Method.....: | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12

GC/MS Volatiles

Lot-Sample #...: E0J100272-010 Work Order #...: DLW63101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 102 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-15'

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-011 | Work Order #...: | DLW65102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 12:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 ok | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 02:42 ok | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-15'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-011 | Work Order #...: | DLW65103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 12:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 10:08 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-15'

GC/MS Volatiles

Lot-Sample #...: E0J100272-011 Work Order #...: DLW65101 Matrix.....: SOLID
Date Sampled...: 10/10/00 12:00 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 05:05
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-15'

GC/MS Volatiles

Lot-Sample #...: E0J100272-011 Work Order #...: DLW65101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12-5''

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-012 | Work Order #...: | DLW69102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 13:45 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 12:16 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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** | **8.3 J** | **10** | **mg/kg** | **5.0** |

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

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12-5''

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-012 | Work Order #...: | DLW69103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 13:45 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 10:37 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

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

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12-5''

GC/MS Volatiles

Lot-Sample #...: E0J100272-012 Work Order #...: DLW69101 Matrix.....: SOLID
Date Sampled...: 10/10/00 13:45 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 05:39
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| **Acetone** | **37** | **25** | **ug/kg** | **15** |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12-5''

GC/MS Volatiles

Lot-Sample #...: E0J100272-012 Work Order #...: DLW69101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 100 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 109 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-1'

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-013 | Work Order #...: | DLW6C102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 03:42 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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** | **5.7 J** | **10** | **mg/kg** | **5.0** |

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

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-1'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-013 | Work Order #...: | DLW6C103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 11:05 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | 0.10 |

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

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-1'

GC/MS Volatiles

Lot-Sample #...: E0J100272-013 Work Order #...: DLW6C101 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:00 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 06:13
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-1'

GC/MS Volatiles

**Lot-Sample #...:** E0J100272-013 **Work Order #...:** DLW6C101 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 112 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-5'

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-014 | Work Order #...: | DLW6D102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:05 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 04:13 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 86 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-5'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-014 | Work Order #...: | DLW6D103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:05 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 11:34 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | 0.10 |

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

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-5'

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E0J100272-014 | **Work Order #...:** | DLW6D101 | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 10/10/00 14:05 | **Date Received..:** | 10/10/00 16:00 | **MS Run #.....:** | 0298344 |
| **Prep Date.....:** | 10/22/00 | **Analysis Date..:** | 10/22/00 | | |
| **Prep Batch #...:** | 0298634 | **Analysis Time..:** | 06:48 | | |
| **Dilution Factor:** | 1 | | | | |
| **% Moisture.....:** | | **Analyst ID.....:** | 004648 | **Instrument ID..:** | MSG |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-5'

GC/MS Volatiles

Lot-Sample #...: E0J100272-014 Work Order #...: DLW6D101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 110 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-1'

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-015 | Work Order #...: | DLW6E102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:15 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 04:43 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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** | **8.1 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.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-1'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-015 | Work Order #...: | DLW6E103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:15 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 12:59 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 89 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-1'

GC/MS Volatiles

Lot-Sample #...: E0J100272-015 Work Order #...: DLW6E101 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:15 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 07:22
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-1'

GC/MS Volatiles

Lot-Sample #...: E0J100272-015 Work Order #...: DLW6E101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 110 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-5'

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-016 | Work Order #...: | DLW6F102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:20 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 05:13 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 99 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-5'

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-016 | Work Order #...: | DLW6F103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:20 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 13:28 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.16 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 90 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-5'

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-016 | Work Order #...: | DLW6F101 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:20 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298344 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298634 | Analysis Time..: | 07:57 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 004648 | Instrument ID..: | MSG |
| | | Method.....: | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **4.2 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-5'

GC/MS Volatiles

Lot-Sample #...: E0J100272-016 Work Order #...: DLW6F101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 108 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-1

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-017 | Work Order #...: | DLW6G102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:30 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 05:43 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 85 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-1

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-017 | Work Order #...: | DLW6G103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:30 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 13:56 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 89 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-1

GC/MS Volatiles

Lot-Sample #...: E0J100272-017 Work Order #...: DLW6G101 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:30 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 08:31
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-1

GC/MS Volatiles

Lot-Sample #...: E0J100272-017 Work Order #...: DLW6G101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 114 | (60 - 140) |
| Toluene-d8 | 105 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-5

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-018 | Work Order #...: | DLW6J102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:35 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 06:13 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 79 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-5

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-018 | Work Order #...: | DLW6J103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 14:35 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 14:25 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-018 Work Order #...: DLW6J101 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:35 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 09:06
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-018 Work Order #...: DLW6J101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-1

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-019 | Work Order #...: | DLW6L102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 15:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/20/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 12:47 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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** | **5.2 J** | **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 | 91 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-1

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-019 | Work Order #...: | DLW6L103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 15:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292213 |
| Prep Date.....: | 10/16/00 | Analysis Date..: | 10/16/00 | | |
| Prep Batch #...: | 0292446 | Analysis Time..: | 19:29 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | 0.10 |

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

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-1

GC/MS Volatiles

Lot-Sample #...: E0J100272-019 Work Order #...: DLW6L101 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:00 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 09:40
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-1

GC/MS Volatiles

Lot-Sample #...: E0J100272-019 Work Order #...: DLW6L101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 109 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-5

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E0J100272-020 | **Work Order #...:** | DLW6M102 | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 10/10/00 15:05 | **Date Received..:** | 10/10/00 16:00 | **MS Run #.....:** | 0285283 |
| **Prep Date.....:** | 10/11/00 | **Analysis Date..:** | 10/20/00 | | |
| **Prep Batch #...:** | 0285569 | **Analysis Time..:** | 07:14 | | |
| **Dilution Factor:** | 1 | | | | |
| **% Moisture.....:** | | **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 | ND | 10 | mg/kg | 5.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 90 | (60 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-5

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-020 | Work Order #...: | DLW6M103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 15:05 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 15:22 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.17 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-020 Work Order #...: DLW6M101 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:05 Date Received..: 10/10/00 16:00 MS Run #.....: 0298344
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298634 Analysis Time..: 10:15
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-020 Work Order #...: DLW6M101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-5

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-021 | Work Order #...: | DLW6P102 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 15:15 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/19/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 20:39 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | 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 | ND | 10 | mg/kg | 5.0 |

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

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-5

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-021 | Work Order #...: | DLW6P103 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 15:15 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 15:50 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 001464 | Instrument ID..: | G15 |
| | | Method.....: | SW846 8015B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| C6-C8 | 0.18 J,B | 1.0 | mg/kg | 0.10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 94 | (60 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-021 Work Order #...: DLW6P101 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:15 Date Received..: 10/10/00 16:00 MS Run #.....: 0298346
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298635 Analysis Time..: 13:52
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-021 Work Order #...: DLW6P101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 100 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 102 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-10

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E0J100272-022 | Work Order #...: | DLW6T101 | Matrix.....: | SOLID |
| Date Sampled...: | 10/10/00 15:25 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298346 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298635 | Analysis Time..: | 14:27 | | |
| Dilution Factor: | 1 | | | | |
| % Moisture.....: | | Analyst ID.....: | 004648 | Instrument ID..: | MSG |
| | | Method.....: | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-022 Work Order #...: DLW6T101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-126-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-023 Work Order #...: DLW6V101 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:35 Date Received..: 10/10/00 16:00 MS Run #.....: 0298346
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298635 Analysis Time..: 15:01
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-126-5

GC/MS Volatiles

Lot-Sample #...: E0J100272-023 Work Order #...: DLW6V101 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 98 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-126-10

GC/MS Volatiles

Lot-Sample #...: E0J100272-024 Work Order #...: DLW71101 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:45 Date Received..: 10/10/00 16:00 MS Run #.....: 0298346
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298635 Analysis Time..: 15:36
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 004648 Instrument ID..: MSG
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Trichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-126-10

GC/MS Volatiles

**Lot-Sample #...:** E0J100272-024 **Work Order #...:** DLW71101 **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Tetrachloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-10/10 RINSATE

GC/MS Volatiles

Lot-Sample #...: E0J100272-025 Work Order #...: DLW72101 Matrix.....: WATER
Date Sampled...: 10/10/00 16:00 Date Received..: 10/10/00 16:00 MS Run #.....: 0290179
Prep Date.....: 10/15/00 Analysis Date..: 10/15/00
Prep Batch #...: 0290617 Analysis Time..: 20:28
Dilution Factor: 2
Analyst ID.....: 004648 Instrument ID..: MSC
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 20 | ug/L | 6.0 |
| **Benzene** | **2.0** | **2.0** | **ug/L** | **0.60** |
| Bromobenzene | ND | 2.0 | ug/L | 0.60 |
| Bromochloromethane | ND | 2.0 | ug/L | 0.60 |
| Bromoform | ND | 2.0 | ug/L | 0.60 |
| Bromomethane | ND | 4.0 | ug/L | 2.0 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 0.60 |
| 2-Butanone | ND | 10 | ug/L | 6.0 |
| n-Butylbenzene | ND | 2.0 | ug/L | 0.60 |
| sec-Butylbenzene | ND | 2.0 | ug/L | 0.60 |
| tert-Butylbenzene | ND | 2.0 | ug/L | 0.40 |
| Carbon disulfide | ND | 2.0 | ug/L | 0.60 |
| Chlorobenzene | ND | 2.0 | ug/L | 0.60 |
| Dibromochloromethane | ND | 2.0 | ug/L | 0.60 |
| Dichlorodifluoromethane | ND | 2.0 | ug/L | 0.80 |
| Bromodichloromethane | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 0.40 |
| Chloroethane | ND | 4.0 | ug/L | 0.60 |
| Chloroform | ND | 2.0 | ug/L | 0.40 |
| Chloromethane | ND | 4.0 | ug/L | 0.60 |
| 2-Chlorotoluene | ND | 2.0 | ug/L | 0.60 |
| 4-Chlorotoluene | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dibromo-3-chloro-propane | ND | 4.0 | ug/L | 1.2 |
| 1,2-Dibromoethane | ND | 2.0 | ug/L | 0.60 |
| Iodomethane | ND | 4.0 | ug/L | 2.0 |
| 1,2-Dichlorobenzene | ND | 2.0 | ug/L | 0.40 |
| 1,3-Dichlorobenzene | ND | 2.0 | ug/L | 0.40 |
| 1,4-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,1-Dichloroethane | ND | 2.0 | ug/L | 0.40 |
| cis-1,2-Dichloroethene | ND | 2.0 | ug/L | 0.60 |
| trans-1,2-Dichloroethene | ND | 2.0 | ug/L | 0.40 |
| Vinyl chloride | ND | 1.0 | ug/L | 0.60 |
| 2,2-Dichloropropane | ND | 2.0 | ug/L | 0.60 |
| 1,1-Dichloropropene | ND | 2.0 | ug/L | 0.60 |
| Ethylbenzene | ND | 2.0 | ug/L | 0.40 |
| Hexachlorobutadiene | ND | 2.0 | ug/L | 0.60 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-10/10 RINSATE

GC/MS Volatiles

Lot-Sample #...: E0J100272-025 Work Order #...: DLW72101 Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 2-Hexanone | ND | 10 | ug/L | 4.0 |
| Isopropylbenzene | ND | 2.0 | ug/L | 0.40 |
| p-Isopropyltoluene | ND | 2.0 | ug/L | 0.40 |
| Methylene chloride | ND | 2.0 | ug/L | 0.40 |
| 4-Methyl-2-pentanone | ND | 10 | ug/L | 4.0 |
| **Methyl tert-butyl ether** | **190** | **2.0** | **ug/L** | **1.0** |
| n-Propylbenzene | ND | 2.0 | ug/L | 0.80 |
| Styrene | ND | 2.0 | ug/L | 0.60 |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | ug/L | 0.60 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ug/L | 0.60 |
| Tetrachloroethene | ND | 2.0 | ug/L | 1.4 |
| **Toluene** | **3.3** | **2.0** | **ug/L** | **0.60** |
| 1,2,3-Trichlorobenzene | ND | 2.0 | ug/L | 0.80 |
| 1,2,4-Trichloro-benzene | ND | 2.0 | ug/L | 0.60 |
| 1,1,1-Trichloroethane | ND | 2.0 | ug/L | 0.40 |
| 1,1,2-Trichloroethane | ND | 2.0 | ug/L | 0.60 |
| Trichloroethene | ND | 2.0 | ug/L | 0.60 |
| Trichlorofluoromethane | ND | 4.0 | ug/L | 0.40 |
| 1,2,3-Trichloropropane | ND | 2.0 | ug/L | 0.60 |
| 1,1,2-Trichlorotrifluoro-ethane | ND | 2.0 | ug/L | 0.40 |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ug/L | 0.40 |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ug/L | 0.40 |
| Xylenes (total) | ND | 2.0 | ug/L | 1.0 |
| Acrolein | ND | 40 | ug/L | 24 |
| Acrylonitrile | ND | 40 | ug/L | 20 |
| Vinyl acetate | ND | 10 | ug/L | 2.0 |
| Tetrahydrofuran | ND | 20 | ug/L | 4.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/L | 4.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 111 | (65 - 130) |
| Toluene-d8 | 101 | (80 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: E0J100272-026 Work Order #...: DLW741AA Matrix.....: WATER
Date Sampled...: 10/10/00 Date Received..: 10/10/00 16:00 MS Run #.....: 0290181
Prep Date.....: 10/14/00 Analysis Date..: 10/14/00
Prep Batch #...: 0290380 Analysis Time..: 12:49
Dilution Factor: 1
Analyst ID.....: 004648 Instrument ID..: MSC
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Acetone | ND | 10 | ug/L | 3.0 |
| Benzene | ND | 1.0 | ug/L | 0.30 |
| Bromobenzene | ND | 1.0 | ug/L | 0.30 |
| Bromochloromethane | ND | 1.0 | ug/L | 0.30 |
| Bromoform | ND | 1.0 | ug/L | 0.30 |
| Bromomethane | ND | 2.0 | ug/L | 1.0 |
| Carbon tetrachloride | ND | 0.50 | ug/L | 0.30 |
| 2-Butanone | ND | 5.0 | ug/L | 3.0 |
| n-Butylbenzene | ND | 1.0 | ug/L | 0.30 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 0.30 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 0.20 |
| Carbon disulfide | ND | 1.0 | ug/L | 0.30 |
| Chlorobenzene | ND | 1.0 | ug/L | 0.30 |
| Dibromochloromethane | ND | 1.0 | ug/L | 0.30 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 0.40 |
| Bromodichloromethane | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | 0.20 |
| Chloroethane | ND | 2.0 | ug/L | 0.30 |
| Chloroform | ND | 1.0 | ug/L | 0.20 |
| Chloromethane | ND | 2.0 | ug/L | 0.30 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 0.30 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | 0.30 |
| Iodomethane | ND | 2.0 | ug/L | 1.0 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 0.20 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 0.20 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 0.20 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.30 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.20 |
| Vinyl chloride | ND | 0.50 | ug/L | 0.30 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 0.30 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 0.30 |
| Ethylbenzene | ND | 1.0 | ug/L | 0.20 |
| Hexachlorobutadiene | ND | 1.0 | ug/L | 0.30 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: E0J100272-026 Work Order #...: DLW741AA Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 2-Hexanone | ND | 5.0 | ug/L | 2.0 |
| Isopropylbenzene | ND | 1.0 | ug/L | 0.20 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 0.20 |
| Methylene chloride | ND | 1.0 | ug/L | 0.20 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 2.0 |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | 0.50 |
| n-Propylbenzene | ND | 1.0 | ug/L | 0.40 |
| Styrene | ND | 1.0 | ug/L | 0.30 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.30 |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.30 |
| Tetrachloroethene | ND | 1.0 | ug/L | 0.70 |
| Toluene | ND | 1.0 | ug/L | 0.30 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 0.40 |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | 0.30 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 0.20 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 0.30 |
| Trichloroethene | ND | 1.0 | ug/L | 0.30 |
| Trichlorofluoromethane | ND | 2.0 | ug/L | 0.20 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 0.30 |
| 1,1,2-Trichlorotrifluoro-ethane | ND | 1.0 | ug/L | 0.20 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 0.20 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 0.20 |
| Xylenes (total) | ND | 1.0 | ug/L | 0.50 |
| Acrolein | ND | 20 | ug/L | 12 |
| Acrylonitrile | ND | 20 | ug/L | 10 |
| Vinyl acetate | ND | 5.0 | ug/L | 1.0 |
| Tetrahydrofuran | ND | 10 | ug/L | 2.0 |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 103 | (65 - 130) |
| Toluene-d8 | 100 | (80 - 130) |

KENNEDY/JENKS CONSULTANTS

C-2-113-5

GC/MS Volatiles

**Lot-Sample #:** E0J100272-001 **Work Order #:** DLW5C101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-113-10

GC/MS Volatiles

**Lot-Sample #:** E0J100272-002 **Work Order #:** DLW5K101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-115-1'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-003 **Work Order #:** DLW5M101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| 1-Hexanol, 2-ethyl- | 104-76-7 | 1400 | M | | ug/kg |
| Unknown | | 30 | M | | ug/kg |

**NOTE(S):**

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

C-2-115-5

GC/MS Volatiles

**Lot-Sample #:** E0J100272-004 **Work Order #:** DLW5N101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| Unknown cycloalkane | | 89 | M | | ug/kg |

**NOTE(S):**

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

C-2-115-10

GC/MS Volatiles

**Lot-Sample #:** E0J100272-005 **Work Order #:** DLW5P101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| 1-Hexanol, 2-ethyl- | 104-76-7 | 20 | M | | ug/kg |

**NOTE(S):**

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

C-2-114-5

GC/MS Volatiles

**Lot-Sample #:** E0J100272-006 **Work Order #:** DLW5R101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-114-10

GC/MS Volatiles

**Lot-Sample #:** E0J100272-007 **Work Order #:** DLW5V101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-116-5'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-008 **Work Order #:** DLW60101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-116-10

GC/MS Volatiles

**Lot-Sample #:** E0J100272-009 **Work Order #:** DLW62101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-66-12

GC/MS Volatiles

Lot-Sample #: E0J100272-010 Work Order #: DLW63101 Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-116-15'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-011 **Work Order #:** DLW65101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-66-12-5''

GC/MS Volatiles

**Lot-Sample #:** E0J100272-012 **Work Order #:** DLW69101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-66-8-1'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-013 **Work Order #:** DLW6C101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-66-8-5'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-014 **Work Order #:** DLW6D101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-120-1'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-015 **Work Order #:** DLW6E101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-120-5'

GC/MS Volatiles

**Lot-Sample #:** E0J100272-016 **Work Order #:** DLW6F101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-125-1

GC/MS Volatiles

Lot-Sample #: E0J100272-017 Work Order #: DLW6G101 Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-125-5

GC/MS Volatiles

**Lot-Sample #:** E0J100272-018 **Work Order #:** DLW6J101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-129-1

GC/MS Volatiles

Lot-Sample #: E0J100272-019 Work Order #: DLW6L101 Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| Unknown | | 5.6 | M | | ug/kg |

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

C-2-129-5

GC/MS Volatiles

Lot-Sample #: E0J100272-020 Work Order #: DLW6M101 Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-128-5

GC/MS Volatiles

Lot-Sample #: E0J100272-021 Work Order #: DLW6P101 Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-128-10

GC/MS Volatiles

**Lot-Sample #:** E0J100272-022 **Work Order #:** DLW6T101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-126-5

GC/MS Volatiles

**Lot-Sample #:** E0J100272-023 **Work Order #:** DLW6V101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-126-10

GC/MS Volatiles

**Lot-Sample #:** E0J100272-024 **Work Order #:** DLW71101 **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

C-2-10/10 RINSATE

GC/MS Volatiles

Lot-Sample #: E0J100272-025 Work Order #: DLW72101 Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| Unknown alkane | | 2.7 | M | 2.105 | ug/L |

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

KENNEDY/JENKS CONSULTANTS

TRIP BLANK

GC/MS Volatiles

**Lot-Sample #:** E0J100272-026 **Work Order #:** DLW741AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/L |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-5

TOTAL Metals

Lot-Sample #...: E0J100272-001 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 22300 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C104 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.8 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C105 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C106 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 122 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C107 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C108 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 23.9 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C109 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.60 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10A |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10C |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10D |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-113-5

TOTAL Metals

Lot-Sample #...: E0J100272-001 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10E |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 11.7 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10F |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 16.1 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10G |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.61 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10H |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 16.2 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10J |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 1.1 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10K |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 51.9 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10L |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 53.5 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5C10M |
| | | Dilution Factor: 1 | | Analysis Time..: 19:20 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.027 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW5C10N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:42 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-1'

TOTAL Metals

Lot-Sample #...: E0J100272-003 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:00 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 14300 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M104 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.0 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M105 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M106 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 99.8 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M107 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M108 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 17.3 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M109 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.43 B | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10A |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 6.9 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10C |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10D |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-1'

TOTAL Metals

Lot-Sample #...: E0J100272-003 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10E |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 8.6 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10F |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 14.1 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10G |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.55 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10H |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 10.3 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10J |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.76 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10K |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 35.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10L |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 36.9 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5M10M |
| | | Dilution Factor: 1 | | Analysis Time..: 19:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW5M10N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:44 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-5

TOTAL Metals

Lot-Sample #...: E0J100272-004 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:05 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 32600 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N104 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.7 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N105 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N106 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 146 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N107 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N108 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 33.0 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N109 |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.84 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10A |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 6.4 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10C |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10D |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-115-5

TOTAL Metals

Lot-Sample #...: E0J100272-004 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10E |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 28.1 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10F |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 18.7 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10G |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | ND | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10H |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 20.6 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10J |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 1.3 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10K |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 61.4 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10L |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 59.9 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5N10M |
| | | Dilution Factor: 1 | | Analysis Time..: 19:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.046 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW5N10N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:46 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-114-5

TOTAL Metals

Lot-Sample #...: E0J100272-006 Matrix.....: SOLID
Date Sampled...: 10/10/00 10:33 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 18000 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R102 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.7 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R103 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R104 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 107 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R105 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R106 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 19.7 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R107 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.54 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R108 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 4.6 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R109 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11A |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-114-5

TOTAL Metals

Lot-Sample #...: E0J100272-006 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11C |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 9.3 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11D |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 14.9 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11E |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.56 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11F |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 11.5 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11G |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.76 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11H |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 41.5 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11J |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 36.0 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW5R11K |
| | | Dilution Factor: 1 | | Analysis Time..: 20:04 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |

Prep Batch #...: 0285280

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW5R11L |
| | | Dilution Factor: 1 | | Analysis Time..: 16:48 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-5'

TOTAL Metals

Lot-Sample #...: E0J100272-008 Matrix.....: SOLID
Date Sampled...: 10/10/00 11:23 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 20500 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW60104 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.6 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW60105 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.49 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW60106 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 100 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW60107 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW60108 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 23.1 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW60109 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.60 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010A |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 5.1 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010C |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010D |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-116-5'

TOTAL Metals

Lot-Sample #...: E0J100272-008 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010E |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 11.1 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010F |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 14.6 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010G |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.73 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010H |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 14.0 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010J |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.81 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010K |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 46.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010L |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 41.8 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6010M |
| | | Dilution Factor: 1 | | Analysis Time..: 20:12 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |

Prep Batch #...: 0285280

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6010N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:50 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12

TOTAL Metals

Lot-Sample #...: E0J100272-010 Matrix.....: SOLID
Date Sampled...: 10/10/00 13:30 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 15500 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW63104 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 4.1 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW63105 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.48 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW63106 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 80.7 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW63107 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | 0.28 B | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW63108 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 57.3 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW63109 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.43 B | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310A |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 13.4 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310C |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310D |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12

TOTAL Metals

Lot-Sample #...: E0J100272-010 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310E |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 9.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310F |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 96.1 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310G |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 3.2 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310H |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 53.7 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310J |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 1.3 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310K |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 41.3 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310L |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 123 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6310M |
| | | Dilution Factor: 1 | | Analysis Time..: 20:42 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.024 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6310N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:52 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12-5''

TOTAL Metals

Lot-Sample #...: E0J100272-012 Matrix.....: SOLID
Date Sampled...: 10/10/00 13:45 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 23300 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW69104 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 3.3 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW69105 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW69106 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 143 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW69107 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | 0.18 B | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW69108 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 29.7 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW69109 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.63 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910A |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 12.9 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910C |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910D |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-12-5''

TOTAL Metals

Lot-Sample #...: E0J100272-012 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910E |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 10.5 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910F |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 29.1 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910G |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.60 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910H |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 21.1 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910J |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.79 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910K |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 58.8 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910L |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 75.5 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6910M |
| | | Dilution Factor: 1 | | Analysis Time..: 20:50 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.035 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6910N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:54 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-1'

TOTAL Metals

Lot-Sample #...: E0J100272-013 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:00 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 14000 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C104 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 4.0 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C105 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C106 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 63.7 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C107 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C108 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 27.2 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C109 |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.44 B | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10A |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 3.9 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10C |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10D |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-1'

TOTAL Metals

Lot-Sample #...: E0J100272-013 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10E |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 7.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10F |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 12.8 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10G |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 1.2 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10H |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 15.4 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10J |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10K |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 41.8 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10L |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 51.6 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6C10M |
| | | Dilution Factor: 1 | | Analysis Time..: 20:58 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6C10N |
| | | Dilution Factor: 1 | | Analysis Time..: 16:56 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-5'

TOTAL Metals

Lot-Sample #...: E0J100272-014 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:05 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 11900 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D104 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.4 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D105 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D106 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 64.0 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D107 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D108 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 21.5 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D109 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.34 B | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10A |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 3.3 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10C |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10D |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-66-8-5'

TOTAL Metals

Lot-Sample #...: E0J100272-014 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10E |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 6.6 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10F |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 9.3 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10G |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.38 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10H |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 13.3 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10J |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10K |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 34.9 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10L |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 43.7 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6D10M |
| | | Dilution Factor: 1 | | Analysis Time..: 21:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |

Prep Batch #...: 0285280

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6D10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:01 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-1'

TOTAL Metals

Lot-Sample #...: E0J100272-015 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:15 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 18500 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E104 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.2 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E105 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E106 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 122 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E107 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E108 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 20.8 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E109 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.56 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10A |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 5.0 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10C |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10D |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-1'

TOTAL Metals

Lot-Sample #...: E0J100272-015 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10E |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 9.8 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10F |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 16.0 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10G |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.46 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10H |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 13.8 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10J |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 1.3 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10K |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 42.8 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10L |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 41.5 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6E10M |
| | | Dilution Factor: 1 | | Analysis Time..: 21:14 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.039 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6E10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:03 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-5'

TOTAL Metals

Lot-Sample #...: E0J100272-016 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:20 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 17100 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F104 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.6 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F105 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.21 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F106 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 282 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F107 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F108 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 20.5 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F109 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.52 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10A |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 4.4 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10C |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10D |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-120-5'

TOTAL Metals

Lot-Sample #...: E0J100272-016 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10E |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 10.4 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10F |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 16.3 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10G |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.58 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10H |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 14.6 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10J |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.90 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10K |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 41.4 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10L |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 42.8 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6F10M |
| | | Dilution Factor: 1 | | Analysis Time..: 21:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |

Prep Batch #...: 0285280

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6F10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:05 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-1

TOTAL Metals

Lot-Sample #...: E0J100272-017 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:30 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 21900 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G104 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 4.2 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G105 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.27 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G106 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 167 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G107 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G108 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 26.6 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G109 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.68 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10A |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 312 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10C |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10D |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-1

TOTAL Metals

Lot-Sample #...: E0J100272-017 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10E |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 12.5 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10F |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 23.2 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10G |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.50 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10H |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 19.3 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10J |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.58 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10K |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 49.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10L |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 114 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6G10M |
| | | Dilution Factor: 1 | | Analysis Time..: 21:31 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |

Prep Batch #...: 0285280

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6G10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:07 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-5

TOTAL Metals

Lot-Sample #...: E0J100272-018 Matrix.....: SOLID
Date Sampled...: 10/10/00 14:35 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 23300 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J104 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 3.5 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J105 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.42 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J106 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 174 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J107 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J108 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 25.8 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J109 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.69 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10A |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 5.4 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10C |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10D |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-125-5

TOTAL Metals

Lot-Sample #...: E0J100272-018 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10E |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 11.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10F |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 18.4 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10G |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.65 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10H |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 18.7 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10J |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 1.0 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10K |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 52.4 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10L |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 49.3 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6J10M |
| | | Dilution Factor: 1 | | Analysis Time..: 21:39 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.034 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6J10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:09 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-1

TOTAL Metals

Lot-Sample #...: E0J100272-019 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:00 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 21600 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L104 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 4.8 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L105 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.64 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L106 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 157 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L107 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L108 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 25.9 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L109 |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.66 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10A |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 12.4 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10C |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10D |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-1

TOTAL Metals

Lot-Sample #...: E0J100272-019 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10E |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 12.2 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10F |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 22.3 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10G |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.63 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10H |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 17.7 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10J |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.79 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10K |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 52.1 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10L |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 57.3 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6L10M |
| | | Dilution Factor: 1 | | Analysis Time..: 21:45 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.023 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6L10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:11 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-5

TOTAL Metals

Lot-Sample #...: E0J100272-020 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:05 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 17600 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M104 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 2.8 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M105 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.50 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M106 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 172 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M107 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M108 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 21.1 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M109 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.56 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10A |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10C |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10D |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-129-5

TOTAL Metals

Lot-Sample #...: E0J100272-020 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10E |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 9.9 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10F |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 17.0 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10G |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.50 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10H |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 15.3 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10J |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10K |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 42.6 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10L |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 39.7 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6M10M |
| | | Dilution Factor: 1 | | Analysis Time..: 22:06 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |

Prep Batch #...: 0285280

| | | | | | | |
|---|---|---|---|---|---|---|
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6M10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:13 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-5

TOTAL Metals

Lot-Sample #...: E0J100272-021 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:15 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 22700 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P104 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 3.1 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P105 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | ND | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P106 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 156 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P107 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P108 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 25.1 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P109 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.61 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10A |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 5.1 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10C |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10D |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-128-5

TOTAL Metals

Lot-Sample #...: E0J100272-021 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10E |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 10.2 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10F |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 18.5 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10G |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.42 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10H |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 18.9 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10J |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 0.76 B | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10K |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 54.4 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10L |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 58.6 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6P10M |
| | | Dilution Factor: 1 | | Analysis Time..: 22:17 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.025 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6P10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:14 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-126-5

TOTAL Metals

Lot-Sample #...: E0J100272-023 Matrix.....: SOLID
Date Sampled...: 10/10/00 15:35 Date Received..: 10/10/00 16:00
% Moisture.....:

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Prep Batch #...: 0285266 | | | | | | |
| Aluminum | 24700 | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V104 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 003119 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 8.0 | |
| Arsenic | 4.0 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V105 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Antimony | 0.46 B | 6.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V106 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.20 | |
| Barium | 288 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V107 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V108 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Chromium | 27.5 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V109 |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Beryllium | 0.66 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10A |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.050 | |
| Lead | 4.8 | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10C |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10D |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: C-2-126-5

TOTAL Metals

Lot-Sample #...: E0J100272-023 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10E |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Cobalt | 9.4 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10F |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Copper | 17.5 | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10G |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.40 | |
| Molybdenum | 0.65 B | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10H |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Nickel | 19.0 | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10J |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.30 | |
| Thallium | 1.6 | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10K |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.50 | |
| Vanadium | 55.0 | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10L |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 0.10 | |
| Zinc | 58.3 | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLW6V10M |
| | | Dilution Factor: 1 | | Analysis Time..: 22:23 | Analyst ID.....: 0031196 | |
| | | Instrument ID..: M01 | | MS Run #.....: 0285086 | MDL.....: 1.0 | |
| Prep Batch #...: 0285280 | | | | | | |
| Mercury | 0.068 B | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLW6V10N |
| | | Dilution Factor: 1 | | Analysis Time..: 17:16 | Analyst ID.....: 0210886 | |
| | | Instrument ID..: M04 | | MS Run #.....: 0285083 | MDL.....: 0.020 | |

NOTE(S):

B Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

E0J100272

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 001 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298630 | 0298340 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 002 | SOLID | SW846 8260B | | 0298630 | 0298340 |
| 003 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298630 | 0298340 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 004 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298630 | 0298340 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 005 | SOLID | SW846 8260B | | 0298630 | 0298340 |
| 006 | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 007 | SOLID | SW846 8260B | | 0298634 | 0298344 |
| 008 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 009 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| 010 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |

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# QC DATA ASSOCIATION SUMMARY

E0J100272

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 011 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| 012 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 013 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 014 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 015 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 016 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 017 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 018 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |

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# QC DATA ASSOCIATION SUMMARY

E0J100272

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 018 | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 019 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292446 | 0292213 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 020 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298634 | 0298344 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 021 | SOLID | SW846 8015B | | 0285569 | 0285283 |
| | SOLID | SW846 8015B | | 0292382 | 0292179 |
| | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298635 | 0298346 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 022 | SOLID | SW846 8260B | | 0298635 | 0298346 |
| 023 | SOLID | SW846 7471A | | 0285280 | 0285083 |
| | SOLID | SW846 8260B | | 0298635 | 0298346 |
| | SOLID | SW846 6010B | | 0285266 | 0285086 |
| 024 | SOLID | SW846 8260B | | 0298635 | 0298346 |
| 025 | WATER | SW846 8260B | | 0290617 | 0290179 |
| 026 | WATER | SW846 8260B | | 0290380 | 0290181 |

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Volatiles

**Lot-Sample #:** E0J160000-380 B **Work Order #:** DM73M1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/L |

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Volatiles

**Lot-Sample #:** E0J240000-630 B **Work Order #:** DNN5G1AA **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Volatiles

**Lot-Sample #:** E0J240000-634 B **Work Order #:** DNN5N1AA **Matrix:** SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

KENNEDY/JENKS CONSULTANTS

Method Blank Report

GC/MS Volatiles

Lot-Sample #: E0J240000-635 B Work Order #: DNN521AA Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ug/kg |

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E0J100272
MB Lot-Sample #: E0J110000-569

Work Order #...: DM1DP1AA

Matrix.....: SOLID

Prep Date.....: 10/11/00

Analysis Time..: 20:39

Analysis Date..: 10/19/00

Prep Batch #...: 0285569

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 | 93 | (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 #...: E0J100272
MB Lot-Sample #: E0J160000-380

Work Order #...: DM73M1AA

Matrix.....: WATER

Prep Date.....: 10/14/00
Prep Batch #...: 0290380

Analysis Time..: 10:17
Instrument ID..: MSC

Analysis Date..: 10/14/00
Dilution Factor: 1

Analyst ID.....: 004648

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 10 | ug/L | SW846 8260B |
| Benzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Bromoform | ND | 1.0 | ug/L | SW846 8260B |
| Bromomethane | ND | 2.0 | ug/L | SW846 8260B |
| Carbon tetrachloride | ND | 0.50 | ug/L | SW846 8260B |
| 2-Butanone | ND | 5.0 | ug/L | SW846 8260B |
| n-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| sec-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| tert-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Carbon disulfide | ND | 1.0 | ug/L | SW846 8260B |
| Chlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Dibromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | SW846 8260B |
| Bromodichloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | SW846 8260B |
| Chloroethane | ND | 2.0 | ug/L | SW846 8260B |
| Chloroform | ND | 1.0 | ug/L | SW846 8260B |
| Chloromethane | ND | 2.0 | ug/L | SW846 8260B |
| 2-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 4-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | SW846 8260B |
| Iodomethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Vinyl chloride | ND | 0.50 | ug/L | SW846 8260B |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | SW846 8260B |
| Ethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Hexachlorobutadiene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Hexanone | ND | 5.0 | ug/L | SW846 8260B |
| Isopropylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| p-Isopropyltoluene | ND | 1.0 | ug/L | SW846 8260B |

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DM73M1AA Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Methylene chloride | ND | 1.0 | ug/L | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | SW846 8260B |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | SW846 8260B |
| n-Propylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Styrene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Tetrachloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Toluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Trichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Trichlorofluoromethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichlorotrifluoro-ethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Xylenes (total) | ND | 1.0 | ug/L | SW846 8260B |
| Acrolein | ND | 20 | ug/L | SW846 8260B |
| Acrylonitrile | ND | 20 | ug/L | SW846 8260B |
| Vinyl acetate | ND | 5.0 | ug/L | SW846 8260B |
| Tetrahydrofuran | ND | 10 | ug/L | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 97 | (65 - 130) |
| Toluene-d8 | 96 | (80 - 130) |

**NOTE(S):**

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272
MB Lot-Sample #: E0J160000-617
Work Order #...: DM8QM1AA
Matrix.....: WATER
Prep Date.....: 10/15/00
Analysis Time..: 12:54
Analysis Date..: 10/15/00
Prep Batch #...: 0290617
Instrument ID..: MSC
Dilution Factor: 1
Analyst ID.....: 004648

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Acetone | ND | 10 | ug/L | SW846 8260B |
| Benzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Bromoform | ND | 1.0 | ug/L | SW846 8260B |
| Bromomethane | ND | 2.0 | ug/L | SW846 8260B |
| Carbon tetrachloride | ND | 0.50 | ug/L | SW846 8260B |
| 2-Butanone | ND | 5.0 | ug/L | SW846 8260B |
| n-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| sec-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| tert-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Carbon disulfide | ND | 1.0 | ug/L | SW846 8260B |
| Chlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Dibromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | SW846 8260B |
| Bromodichloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | SW846 8260B |
| Chloroethane | ND | 2.0 | ug/L | SW846 8260B |
| Chloroform | ND | 1.0 | ug/L | SW846 8260B |
| Chloromethane | ND | 2.0 | ug/L | SW846 8260B |
| 2-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 4-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | SW846 8260B |
| Iodomethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Vinyl chloride | ND | 0.50 | ug/L | SW846 8260B |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | SW846 8260B |
| Ethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Hexachlorobutadiene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Hexanone | ND | 5.0 | ug/L | SW846 8260B |
| Isopropylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| p-Isopropyltoluene | ND | 1.0 | ug/L | SW846 8260B |

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DM8QM1AA Matrix.....: WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Methylene chloride | ND | 1.0 | ug/L | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | SW846 8260B |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | SW846 8260B |
| n-Propylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Styrene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Tetrachloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Toluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Trichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Trichlorofluoromethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichlorotrifluoro-ethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Xylenes (total) | ND | 1.0 | ug/L | SW846 8260B |
| Acrolein | ND | 20 | ug/L | SW846 8260B |
| Acrylonitrile | ND | 20 | ug/L | SW846 8260B |
| Vinyl acetate | ND | 5.0 | ug/L | SW846 8260B |
| Tetrahydrofuran | ND | 10 | ug/L | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 99 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 96 | (65 - 130) |
| Toluene-d8 | 100 | (80 - 130) |

**NOTE(S):**

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E0J100272
MB Lot-Sample #: E0J180000-382

Work Order #...: DNC4C1AA

Matrix.....: SOLID

Prep Date.....: 10/13/00

Analysis Time..: 06:49

Analysis Date..: 10/13/00

Prep Batch #...: 0292382

Instrument ID..: G15

Dilution Factor: 1

Analyst ID.....: 001464

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C6-C8 | 0.18 J | 1.0 | mg/kg | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 92 | (60 - 130) |

NOTE(S):

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

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E0J100272
MB Lot-Sample #: E0J180000-446

Analysis Date..: 10/16/00
Dilution Factor: 1

Work Order #...: DNDPN1AA

Prep Date.....: 10/16/00
Prep Batch #...: 0292446

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 16:00
Instrument ID..: G15

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| C6-C8 | 0.18 J | 1.0 | mg/kg | SW846 8015B |

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

NOTE(S):

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

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272
MB Lot-Sample #: E0J240000-630

Analysis Date..: 10/21/00
Dilution Factor: 1

Work Order #...: DNN5G1AA

Prep Date.....: 10/21/00
Prep Batch #...: 0298630

Analyst ID.....: 004648

Matrix.....: SOLID

Analysis Time..: 13:30
Instrument ID..: MSG

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Acrylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DNN5G1AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 108 | (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 #...: E0J100272
MB Lot-Sample #: E0J240000-634

Work Order #...: DNN5N1AA

Matrix.....: SOLID

Prep Date.....: 10/22/00
Prep Batch #...: 0298634

Analysis Time..: 00:21
Instrument ID..: MSG

Analysis Date..: 10/22/00
Dilution Factor: 1

Analyst ID.....: 004648

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| crylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| -Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DNN5N1AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (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 #...: E0J100272
MB Lot-Sample #: E0J240000-635

Work Order #...: DNN521AA

Matrix.....: SOLID

Prep Date.....: 10/22/00
Prep Batch #...: 0298635

Analysis Time..: 13:09
Instrument ID..: MSG

Analysis Date..: 10/22/00
Dilution Factor: 1

Analyst ID.....: 004648

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Chloromethane | ND | 10 | ug/kg | SW846 8260B |
| Vinyl chloride | ND | 10 | ug/kg | SW846 8260B |
| Bromomethane | ND | 10 | ug/kg | SW846 8260B |
| Chloroethane | ND | 10 | ug/kg | SW846 8260B |
| Trichlorofluoromethane | ND | 10 | ug/kg | SW846 8260B |
| Acrolein | ND | 100 | ug/kg | SW846 8260B |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| Iodomethane | ND | 10 | ug/kg | SW846 8260B |
| Acetone | ND | 25 | ug/kg | SW846 8260B |
| Carbon disulfide | ND | 5.0 | ug/kg | SW846 8260B |
| Methylene chloride | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| crylonitrile | ND | 50 | ug/kg | SW846 8260B |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Vinyl acetate | ND | 10 | ug/kg | SW846 8260B |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Butanone | ND | 25 | ug/kg | SW846 8260B |
| Bromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chloroform | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrahydrofuran | ND | 20 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| Carbon tetrachloride | ND | 5.0 | ug/kg | SW846 8260B |
| Benzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| Bromodichloromethane | ND | 5.0 | ug/kg | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | SW846 8260B |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | SW846 8260B |
| Toluene | ND | 5.0 | ug/kg | SW846 8260B |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | ND | 5.0 | ug/kg | SW846 8260B |
| -Hexanone | ND | 25 | ug/kg | SW846 8260B |
| Dibromochloromethane | ND | 5.0 | ug/kg | SW846 8260B |

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DNN521AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | SW846 8260B |
| Chlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Ethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| Xylenes (total) | ND | 5.0 | ug/kg | SW846 8260B |
| Styrene | ND | 10 | ug/kg | SW846 8260B |
| Bromoform | ND | 5.0 | ug/kg | SW846 8260B |
| Isopropylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | SW846 8260B |
| Bromobenzene | ND | 5.0 | 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 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | SW846 8260B |
| n-Propylbenzene | 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 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| tert-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| sec-Butylbenzene | 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 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |
| n-Butylbenzene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | SW846 8260B |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 107 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| **MB Lot-Sample #: E0J110000-280 Prep Batch #...: 0285280** | | | | | | |
| Mercury | ND | 0.10 | mg/kg | SW846 7471A | 10/11-10/13/00 | DLX1T101 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 16:29 | | Analyst ID.....: 021088 | Instrument ID..: M04 | |
| **MB Lot-Sample #: E0J110000-266 Prep Batch #...: 0285266** | | | | | | |
| Aluminum | ND | 20.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX3110D |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX3110E |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Antimony** | **0.22 B** | **6.0** | **mg/kg** | **SW846 6010B** | **10/12-10/13/00** | **DLX3110F** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | ND | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX3110G |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX3110H |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Chromium** | **0.14 B** | **1.0** | **mg/kg** | **SW846 6010B** | **10/12-10/13/00** | **DLX3110J** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31101 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Lead** | **0.34 B** | **0.50** | **mg/kg** | **SW846 6010B** | **10/12-10/13/00** | **DLX31102** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | ND | 0.50 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31103 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|
| Silver | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31104 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cobalt | ND | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31105 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | ND | 2.5 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31106 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| **Molybdenum** | **0.39 B** | **4.0** | **mg/kg** | **SW846 6010B** | **10/12-10/13/00** | **DLX31107** |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Nickel | ND | 4.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31108 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | ND | 1.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX31109 |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | ND | 5.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX3110A |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | ND | 2.0 | mg/kg | SW846 6010B | 10/12-10/13/00 | DLX3110C |
| | | Dilution Factor: 1 | | | | |
| | | Analysis Time..: 19:06 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E0J100272 Work Order #...: DM1DP1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J110000-569
Prep Date.....: 10/11/00 Analysis Date..: 10/19/00
Prep Batch #...: 0285569 Analysis Time..: 21:09
Dilution Factor: 1 Instrument ID..: G01
Analyst ID.....: 356074

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| TPH (as Diesel) | 250 | 241 | mg/kg | 96 | 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/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DM73M1AC Matrix.....: WATER
LCS Lot-Sample#: E0J160000-380
Prep Date.....: 10/14/00 Analysis Date..: 10/14/00
Prep Batch #...: 0290380 Analysis Time..: 09:47
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| Benzene | 10.0 | 9.08 | ug/L | 91 | SW846 8260B |
| 1,1-Dichloroethene | 10.0 | 9.27 | ug/L | 93 | SW846 8260B |
| Chlorobenzene | 10.0 | 8.90 | ug/L | 89 | SW846 8260B |
| Toluene | 10.0 | 9.06 | ug/L | 91 | SW846 8260B |
| Trichloroethene | 10.0 | 8.92 | ug/L | 89 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 97 | (65 - 130) |
| Toluene-d8 | 101 | (80 - 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 #...: E0J100272 Work Order #...: DM8QM1AC Matrix.....: WATER
LCS Lot-Sample#: E0J160000-617
Prep Date.....: 10/15/00 Analysis Date..: 10/15/00
Prep Batch #...: 0290617 Analysis Time..: 11:45
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| Benzene | 10.0 | 9.24 | ug/L | 92 | SW846 8260B |
| 1,1-Dichloroethene | 10.0 | 9.86 | ug/L | 99 | SW846 8260B |
| Chlorobenzene | 10.0 | 8.81 | ug/L | 88 | SW846 8260B |
| Toluene | 10.0 | 9.19 | ug/L | 92 | SW846 8260B |
| Trichloroethene | 10.0 | 8.64 | ug/L | 86 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 100 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| Toluene-d8 | 104 | (80 - 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 #...: E0J100272 Work Order #...: DNC4C1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J180000-382
Prep Date.....: 10/13/00 Analysis Date..: 10/13/00
Prep Batch #...: 0292382 Analysis Time..: 06:20
Dilution Factor: 1 Instrument ID..: G15
Analyst ID.....: 001464

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **TPH (as Gasoline)** | **5.00** | **5.49** | **mg/kg** | **110** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 119 | (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 #...: E0J100272 Work Order #...: DNDPN1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J180000-446
Prep Date.....: 10/16/00 Analysis Date..: 10/16/00
Prep Batch #...: 0292446 Analysis Time..: 15:31
Dilution Factor: 1 Instrument ID..: G15
Analyst ID.....: 001464

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| TPH (as Gasoline) | 5.00 | 4.47 | mg/kg | 89 | 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/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DNN5G1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J240000-630
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 12:55
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 47.6 | ug/kg | 95 | SW846 8260B |
| Benzene | 50.0 | 40.8 | ug/kg | 82 | SW846 8260B |
| Trichloroethene | 50.0 | 48.4 | ug/kg | 97 | SW846 8260B |
| Toluene | 50.0 | 48.7 | ug/kg | 97 | SW846 8260B |
| Chlorobenzene | 50.0 | 44.8 | ug/kg | 90 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 110 | (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 #...: E0J100272 Work Order #...: DNN5N1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J240000-634
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298634 Analysis Time..: 23:47
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 60.0 | ug/kg | 120 | SW846 8260B |
| Benzene | 50.0 | 49.3 | ug/kg | 99 | SW846 8260B |
| Trichloroethene | 50.0 | 54.1 | ug/kg | 108 | SW846 8260B |
| Toluene | 50.0 | 48.6 | ug/kg | 97 | SW846 8260B |
| Chlorobenzene | 50.0 | 49.4 | ug/kg | 99 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 111 | (60 - 140) |
| Toluene-d8 | 101 | (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 #...: E0J100272 Work Order #...: DNN521AC Matrix.....: SOLID
LCS Lot-Sample#: E0J240000-635
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298635 Analysis Time..: 12:34
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 54.0 | ug/kg | 108 | SW846 8260B |
| Benzene | 50.0 | 51.6 | ug/kg | 103 | SW846 8260B |
| Trichloroethene | 50.0 | 49.2 | ug/kg | 98 | SW846 8260B |
| Toluene | 50.0 | 48.2 | ug/kg | 96 | SW846 8260B |
| Chlorobenzene | 50.0 | 47.8 | ug/kg | 96 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 110 | (60 - 140) |
| Toluene-d8 | 102 | (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

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **LCS Lot-Sample#:** E0J110000-266 **Prep Batch #...:** 0285266 | | | | | | | |
| Aluminum | 200 | 196 | mg/kg | 98 | SW846 6010B | 10/12-10/13/00 | DLX3110X |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | 200 | 184 | mg/kg | 92 | SW846 6010B | 10/12-10/13/00 | DLX31110 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Antimony | 50.0 | 47.7 | mg/kg | 95 | SW846 6010B | 10/12-10/13/00 | DLX31111 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | 200 | 200 | mg/kg | 100 | SW846 6010B | 10/12-10/13/00 | DLX31112 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Cadmium | 5.00 | 4.99 | mg/kg | 100 | SW846 6010B | 10/12-10/13/00 | DLX31113 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Chromium | 20.0 | 20.7 | mg/kg | 103 | SW846 6010B | 10/12-10/13/00 | DLX31114 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | 5.00 | 4.88 | mg/kg | 98 | SW846 6010B | 10/12-10/13/00 | DLX3110K |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | 50.0 | 47.6 | mg/kg | 95 | SW846 6010B | 10/12-10/13/00 | DLX3110L |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | 200 | 182 | mg/kg | 91 | SW846 6010B | 10/12-10/13/00 | DLX3110M |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Silver | 5.00 | 4.88 | mg/kg | 98 | SW846 6010B | 10/12-10/13/00 | DLX3110N |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Cobalt | 50.0 | 50.3 | mg/kg | 101 | SW846 6010B | 10/12-10/13/00 | DLX3110P |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Copper | 25.0 | 24.6 | mg/kg | 98 | SW846 6010B | 10/12-10/13/00 | DLX3110Q |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Molybdenum | 100 | 98.4 | mg/kg | 98 | SW846 6010B | 10/12-10/13/00 | DLX3110R |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Nickel | 50.0 | 49.6 | mg/kg | 99 | SW846 6010B | 10/12-10/13/00 | DLX3110T |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Thallium | 200 | 194 | mg/kg | 97 | SW846 6010B | 10/12-10/13/00 | DLX3110U |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Vanadium | 50.0 | 50.0 | mg/kg | 100 | SW846 6010B | 10/12-10/13/00 | DLX3110V |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Zinc | 50.0 | 48.9 | mg/kg | 98 | SW846 6010B | 10/12-10/13/00 | DLX3110W |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 19:12 | | Analyst ID.....: 003119 | Instrument ID..: M01 | |

LCS Lot-Sample#: E0J110000-280 Prep Batch #...: 0285280

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mercury | 0.833 | 0.800 | mg/kg | 96 | SW846 7471A | 10/11-10/13/00 | DLX1T102 |
| | | | Dilution Factor: 1 | | | | |
| | | | Analysis Time..: 16:30 | | Analyst ID.....: 021088 | Instrument ID..: M04 | |

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E0J100272 Work Order #...: DM1DP1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J110000-569
Prep Date.....: 10/11/00 Analysis Date..: 10/19/00
Prep Batch #...: 0285569 Analysis Time..: 21:09
Dilution Factor: 1 Instrument ID..: G01
Analyst ID.....: 356074

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Diesel)** | **96** | **(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/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DM73M1AC Matrix.....: WATER
LCS Lot-Sample#: E0J160000-380
Prep Date.....: 10/14/00 Analysis Date..: 10/14/00
Prep Batch #...: 0290380 Analysis Time..: 09:47
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| Benzene | 91 | (75 - 120) | SW846 8260B |
| 1,1-Dichloroethene | 93 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 89 | (80 - 120) | SW846 8260B |
| Toluene | 91 | (80 - 120) | SW846 8260B |
| Trichloroethene | 89 | (75 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 97 | (65 - 130) |
| Toluene-d8 | 101 | (80 - 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 #...: E0J100272 Work Order #...: DM8QM1AC Matrix.....: WATER
LCS Lot-Sample#: E0J160000-617
Prep Date.....: 10/15/00 Analysis Date..: 10/15/00
Prep Batch #...: 0290617 Analysis Time..: 11:45
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| Benzene | 92 | (75 - 120) | SW846 8260B |
| 1,1-Dichloroethene | 99 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 88 | (80 - 120) | SW846 8260B |
| Toluene | 92 | (80 - 120) | SW846 8260B |
| Trichloroethene | 86 | (75 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 100 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| Toluene-d8 | 104 | (80 - 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 #...: E0J100272 Work Order #...: DNC4C1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J180000-382
Prep Date.....: 10/13/00 Analysis Date..: 10/13/00
Prep Batch #...: 0292382 Analysis Time..: 06:20
Dilution Factor: 1 Instrument ID..: G15
Analyst ID.....: 001464

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Gasoline)** | **110** | **(80 - 140)** | **SW846 8015B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 119 | (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 #...: E0J100272 Work Order #...: DNDPN1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J180000-446
Prep Date.....: 10/16/00 Analysis Date..: 10/16/00
Prep Batch #...: 0292446 Analysis Time..: 15:31
Dilution Factor: 1 Instrument ID..: G15
Analyst ID.....: 001464

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **TPH (as Gasoline)** | **89** | **(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/MS Volatiles

Client Lot #...: E0J100272 Work Order #...: DNN5G1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J240000-630
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298630 Analysis Time..: 12:55
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 95 | (60 - 150) | SW846 8260B |
| Benzene | 82 | (70 - 140) | SW846 8260B |
| Trichloroethene | 97 | (70 - 130) | SW846 8260B |
| Toluene | 97 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 90 | (70 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 99 | (60 - 140) |
| Toluene-d8 | 110 | (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 #...: E0J100272 Work Order #...: DNN5N1AC Matrix.....: SOLID
LCS Lot-Sample#: E0J240000-634
Prep Date.....: 10/21/00 Analysis Date..: 10/21/00
Prep Batch #...: 0298634 Analysis Time..: 23:47
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 120 | (60 - 150) | SW846 8260B |
| Benzene | 99 | (70 - 140) | SW846 8260B |
| Trichloroethene | 108 | (70 - 130) | SW846 8260B |
| Toluene | 97 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 99 | (70 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 111 | (60 - 140) |
| Toluene-d8 | 101 | (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 #...: E0J100272 Work Order #...: DNN521AC Matrix.....: SOLID
LCS Lot-Sample#: E0J240000-635
Prep Date.....: 10/22/00 Analysis Date..: 10/22/00
Prep Batch #...: 0298635 Analysis Time..: 12:34
Dilution Factor: 1 Instrument ID..: MSG
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 108 | (60 - 150) | SW846 8260B |
| Benzene | 103 | (70 - 140) | SW846 8260B |
| Trichloroethene | 98 | (70 - 130) | SW846 8260B |
| Toluene | 96 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 96 | (70 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 110 | (60 - 140) |
| Toluene-d8 | 102 | (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

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|
| **LCS Lot-Sample#:** E0J110000-266 **Prep Batch #...:** 0285266 | | | | | |
| Aluminum | 98 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110X |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Arsenic | 92 | (75 - 115) | SW846 6010B | 10/12-10/13/00 | DLX31110 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Antimony | 95 | (75 - 115) | SW846 6010B | 10/12-10/13/00 | DLX31111 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Barium | 100 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX31112 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| admium | 100 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX31113 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Chromium | 103 | (85 - 120) | SW846 6010B | 10/12-10/13/00 | DLX31114 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Beryllium | 98 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110K |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Lead | 95 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110L |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Selenium | 91 | (70 - 115) | SW846 6010B | 10/12-10/13/00 | DLX3110M |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |
| Silver | 98 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110N |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | Instrument ID..: M01 | |

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|
| Cobalt | 101 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110P |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Copper | 98 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110Q |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Molybdenum | 98 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110R |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Nickel | 99 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110T |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Thallium | 97 | (75 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110U |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Vanadium | 100 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110V |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |
| Zinc | 98 | (80 - 120) | SW846 6010B | 10/12-10/13/00 | DLX3110W |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 19:12 | Analyst ID.....: 003119 | | Instrument ID..: M01 |

LCS Lot-Sample#: E0J110000-280 Prep Batch #...: 0285280

| | | | | | |
|---|---|---|---|---|---|
| Mercury | 96 | (85 - 115) | SW846 7471A | 10/11-10/13/00 | DLX1T102 |
| | | Dilution Factor: 1 | | | |
| | | Analysis Time..: 16:30 | Analyst ID.....: 021088 | | Instrument ID..: M04 |

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E0J100272 | Work Order #...: | DLQ27104-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J060359-012 | | DLQ27105-MSD | | |
| Date Sampled...: | 10/06/00 10:30 | Date Received..: | 10/06/00 17:45 | MS Run #.....: | 0292213 |
| Prep Date.....: | 10/16/00 | Analysis Date..: | 10/17/00 | | |
| Prep Batch #...: | 0292446 | Analysis Time..: | 02:40 | | |
| Dilution Factor: | 1 | % Moisture.....: | 100 | Analyst ID.....: | 001464 |
| Instrument ID..: | G15 | | | | |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| TPH (as Gasoline) | | 5.00 | 5.34 | mg/kg | 107 | | SW846 8015B |
| | | 5.00 | 5.19 | mg/kg | 104 | 2.8 | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 128 | (60 - 130) |
| | 126 | (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

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/09/00 14:50 Date Received..: 10/09/00 17:30

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0J090227-025 **Prep Batch #...:** 0285280 | | | | | | | | | | |
| Mercury | | | | | | | | | | |
| | ND | 0.167 | 0.252 | N | mg/kg | 151 | | SW846 7471A | 10/11-10/13/00 | DLTDE10P |
| | ND | 0.167 | 0.190 | * | mg/kg | 114 | 28 | SW846 7471A | 10/11-10/13/00 | DLTDE10Q |

Dilution Factor: 1
Analysis Time..: 16:34 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 0285083

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

**Client Lot #...:** E0J100272 **Matrix.....:** SOLID
**Date Sampled...:** 10/10/00 09:00 **Date Received..:** 10/10/00 16:00

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0J100272-001 **Prep Batch #...:** 0285266 | | | | | | | | | |
| Aluminum | | | | | | | | | |
| | 22300 | 200 | 26100 NC | mg/kg | | | SW846 6010B | 10/12-10/13/00 | DLW5C11F |
| | 22300 | 200 | 24800 NC | mg/kg | | | SW846 6010B | 10/12-10/13/00 | DLW5C11G |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0285086 | | | | | | |
| Arsenic | | | | | | | | | |
| | 2.8 | 200 | 172 | mg/kg | 85 | | SW846 6010B | 10/12-10/13/00 | DLW5C11H |
| | 2.8 | 200 | 175 | mg/kg | 86 | 1.7 | SW846 6010B | 10/12-10/13/00 | DLW5C11J |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0285086 | | | | | | |
| Antimony | | | | | | | | | |
| | 0.48 | 50.0 | 23.7 N | mg/kg | 46 | | SW846 6010B | 10/12-10/13/00 | DLW5C11K |
| | 0.48 | 50.0 | 24.2 N | mg/kg | 48 | 2.2 | SW846 6010B | 10/12-10/13/00 | DLW5C11L |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0285086 | | | | | | |
| Barium | | | | | | | | | |
| | 122 | 200 | 323 | mg/kg | 101 | | SW846 6010B | 10/12-10/13/00 | DLW5C11M |
| | 122 | 200 | 400 N | mg/kg | 139 | 21 | SW846 6010B | 10/12-10/13/00 | DLW5C11N |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0285086 | | | | | | |
| Cadmium | | | | | | | | | |
| | ND | 5.00 | 4.54 | mg/kg | 91 | | SW846 6010B | 10/12-10/13/00 | DLW5C11P |
| | ND | 5.00 | 4.54 | mg/kg | 91 | 0.13 | SW846 6010B | 10/12-10/13/00 | DLW5C11Q |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0285086 | | | | | | |
| Chromium | | | | | | | | | |
| | 23.9 | 20.0 | 43.2 | mg/kg | 96 | | SW846 6010B | 10/12-10/13/00 | DLW5C11R |
| | 23.9 | 20.0 | 42.6 | mg/kg | 94 | 1.2 | SW846 6010B | 10/12-10/13/00 | DLW5C11T |
| | | | Dilution Factor: 1 | | | | | | |
| | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | MS Run #.....: 0285086 | | | | | | |

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| Beryllium | | | | | | | | | |
| | 0.60 | 5.00 | 5.12 | mg/kg | 91 | | SW846 6010B | 10/12-10/13/00 | DLW5C10P |
| | 0.60 | 5.00 | 5.17 | mg/kg | 92 | 0.95 | SW846 6010B | 10/12-10/13/00 | DLW5C10Q |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Lead | | | | | | | | | |
| | 4.8 | 50.0 | 48.8 | mg/kg | 88 | | SW846 6010B | 10/12-10/13/00 | DLW5C10R |
| | 4.8 | 50.0 | 48.9 | mg/kg | 88 | 0.21 | SW846 6010B | 10/12-10/13/00 | DLW5C10T |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Selenium | | | | | | | | | |
| | ND | 200 | 165 | mg/kg | 83 | | SW846 6010B | 10/12-10/13/00 | DLW5C10U |
| | ND | 200 | 168 | mg/kg | 84 | 1.7 | SW846 6010B | 10/12-10/13/00 | DLW5C10V |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Silver | | | | | | | | | |
| | ND | 5.00 | 4.22 | mg/kg | 84 | | SW846 6010B | 10/12-10/13/00 | DLW5C10W |
| | ND | 5.00 | 4.33 | mg/kg | 87 | 2.7 | SW846 6010B | 10/12-10/13/00 | DLW5C10X |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Cobalt | | | | | | | | | |
| | 11.7 | 50.0 | 58.5 | mg/kg | 94 | | SW846 6010B | 10/12-10/13/00 | DLW5C110 |
| | 11.7 | 50.0 | 56.6 | mg/kg | 90 | 3.2 | SW846 6010B | 10/12-10/13/00 | DLW5C111 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Copper | | | | | | | | | |
| | 16.1 | 25.0 | 41.2 | mg/kg | 100 | | SW846 6010B | 10/12-10/13/00 | DLW5C112 |
| | 16.1 | 25.0 | 40.9 | mg/kg | 99 | 0.72 | SW846 6010B | 10/12-10/13/00 | DLW5C113 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Molybdenum | | | | | | | | | |
| | 0.61 | 100 | 87.9 | mg/kg | 87 | | SW846 6010B | 10/12-10/13/00 | DLW5C114 |
| | 0.61 | 100 | 89.6 | mg/kg | 89 | 1.9 | SW846 6010B | 10/12-10/13/00 | DLW5C115 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | Instrument ID..: M01 | | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASURED AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|---|---|
| Nickel | | | | | | | | | |
| | 16.2 | 50.0 | 61.9 | mg/kg | 91 | | SW846 6010B | 10/12-10/13/00 | DLW5C116 |
| | 16.2 | 50.0 | 60.6 | mg/kg | 89 | 2.1 | SW846 6010B | 10/12-10/13/00 | DLW5C117 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Thallium | | | | | | | | | |
| | 1.1 | 200 | 178 | mg/kg | 89 | | SW846 6010B | 10/12-10/13/00 | DLW5C118 |
| | 1.1 | 200 | 183 | mg/kg | 91 | 2.4 | SW846 6010B | 10/12-10/13/00 | DLW5C119 |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Vanadium | | | | | | | | | |
| | 51.9 | 50.0 | 102 | mg/kg | 101 | | SW846 6010B | 10/12-10/13/00 | DLW5C11A |
| | 51.9 | 50.0 | 100 | mg/kg | 96 | 2.4 | SW846 6010B | 10/12-10/13/00 | DLW5C11C |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |
| Zinc | | | | | | | | | |
| | 53.5 | 50.0 | 101 | mg/kg | 95 | | SW846 6010B | 10/12-10/13/00 | DLW5C11D |
| | 53.5 | 50.0 | 99.0 | mg/kg | 91 | 2.0 | SW846 6010B | 10/12-10/13/00 | DLW5C11E |
| | | | | Dilution Factor: 1 | | | | | |
| | | | | Analysis Time..: 19:34 | | Instrument ID..: M01 | | Analyst ID.....: 003119 | |
| | | | | MS Run #.....: 0285086 | | | | | |

**NOTE(S):**

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E0J100272 | Work Order #...: | DLW5C11U-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-001 | | DLW5C11V-MSD | | |
| Date Sampled...: | 10/10/00 09:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/19/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 22:10 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 356074 |
| Instrument ID..: | G01 | | | | |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| TPH (as Diesel) | | 250 | 259 | mg/kg | 104 | | SW846 8015B |
| | | 250 | 256 | mg/kg | 103 | 1.0 | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 99 | (60 - 130) |
| | 96 | (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 #...: | E0J100272 | Work Order #...: | DLW5C12W-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-001 | | DLW5C12X-MSD | | |
| Date Sampled...: | 10/10/00 09:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298340 |
| Prep Date.....: | 10/21/00 | Analysis Date..: | 10/21/00 | | |
| Prep Batch #...: | 0298630 | Analysis Time..: | 17:01 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 004648 |
| Instrument ID..: | MSG | | | | |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 68.5 | ug/kg | 137 | | SW846 8260B |
| | ND | 50.0 | 55.3 | ug/kg | 111 | 21 | SW846 8260B |
| Benzene | ND | 50.0 | 54.9 | ug/kg | 110 | | SW846 8260B |
| | ND | 50.0 | 50.5 | ug/kg | 101 | 8.3 | SW846 8260B |
| Trichloroethene | ND | 50.0 | 56.2 | ug/kg | 112 | | SW846 8260B |
| | ND | 50.0 | 50.6 | ug/kg | 101 | 10 | SW846 8260B |
| Toluene | ND | 50.0 | 53.9 | ug/kg | 108 | | SW846 8260B |
| | ND | 50.0 | 47.3 | ug/kg | 95 | 13 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 51.9 | ug/kg | 104 | | SW846 8260B |
| | ND | 50.0 | 47.8 | ug/kg | 96 | 8.1 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 115 | (70 - 130) |
| | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| | 106 | (60 - 140) |
| Toluene-d8 | 110 | (70 - 130) |
| | 97 | (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 #...: | E0J100272 | Work Order #...: | DLW5R11M-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-006 | | DLW5R11N-MSD | | |
| Date Sampled...: | 10/10/00 10:33 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298344 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298634 | Analysis Time..: | 01:38 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 004648 |
| Instrument ID..: | MSG | | | | |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 61.8 | ug/kg | 124 | | SW846 8260B |
| | ND | 50.0 | 59.0 | ug/kg | 118 | 4.6 | SW846 8260B |
| Benzene | ND | 50.0 | 51.9 | ug/kg | 104 | | SW846 8260B |
| | ND | 50.0 | 51.8 | ug/kg | 104 | 0.23 | SW846 8260B |
| Trichloroethene | ND | 50.0 | 51.3 | ug/kg | 103 | | SW846 8260B |
| | ND | 50.0 | 50.3 | ug/kg | 101 | 1.9 | SW846 8260B |
| Toluene | ND | 50.0 | 46.0 | ug/kg | 92 | | SW846 8260B |
| | ND | 50.0 | 47.0 | ug/kg | 94 | 2.1 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 46.4 | ug/kg | 93 | | SW846 8260B |
| | ND | 50.0 | 46.9 | ug/kg | 94 | 1.1 | SW846 8260B |

| JRROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| | 106 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 114 | (60 - 140) |
| | 111 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |
| | 101 | (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 #...: | E0J100272 | Work Order #...: | DLW6P11A-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-021 | | DLW6P11C-MSD | | |
| Date Sampled...: | 10/10/00 15:15 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 16:18 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 001464 |
| Instrument ID..: | G15 | | | | |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| TPH (as Gasoline) | | 5.00 | 5.44 | mg/kg | 109 | | SW846 8015B |
| | | 5.00 | 3.98 | mg/kg | 80 | 31 | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 123 | (60 - 130) |
| | 107 | (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 #...: | E0J100272 | Work Order #...: | DM1AP1AC-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J110284-020 | | DM1AP1AD-MSD | | |
| Date Sampled...: | 10/11/00 13:40 | Date Received..: | 10/11/00 16:45 | MS Run #.....: | 0298346 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298635 | Analysis Time..: | 18:28 | | |
| Dilution Factor: | 1 | % Moisture.....: | 100 | Analyst ID.....: | 004648 |
| Instrument ID..: | MSG | | | | |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 48.2 | ug/kg | 96 | | SW846 8260B |
| | ND | 50.0 | 59.6 | ug/kg | 119 | 21 | SW846 8260B |
| Benzene | ND | 50.0 | 45.4 | ug/kg | 91 | | SW846 8260B |
| | ND | 50.0 | 51.0 | ug/kg | 102 | 12 | SW846 8260B |
| Trichloroethene | ND | 50.0 | 40.7 | ug/kg | 81 | | SW846 8260B |
| | ND | 50.0 | 50.0 | ug/kg | 100 | 21 | SW846 8260B |
| Toluene | ND | 50.0 | 39.7 | ug/kg | 79 | | SW846 8260B |
| | ND | 50.0 | 45.8 | ug/kg | 92 | 14 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 39.9 | ug/kg | 80 | | SW846 8260B |
| | ND | 50.0 | 44.7 | ug/kg | 89 | 11 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (70 - 130) |
| | 107 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 116 | (60 - 140) |
| | 113 | (60 - 140) |
| Toluene-d8 | 103 | (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 #...: | E0J100272 | Work Order #...: | DM1CW1AE-MS | Matrix.....: | WATER |
| MS Lot-Sample #: | E0J110288-002 | | DM1CW1AF-MSD | | |
| Date Sampled...: | 10/11/00 09:03 | Date Received..: | 10/11/00 17:00 | MS Run #.....: | 0290181 |
| Prep Date.....: | 10/14/00 | Analysis Date..: | 10/14/00 | | |
| Prep Batch #...: | 0290380 | Analysis Time..: | 19:49 | | |
| Dilution Factor: | 1250 | Analyst ID.....: | 004648 | Instrument ID..: | MSC |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| Benzene | ND | 12500 | 11300 | ug/L | 90 | | SW846 8260B |
| | ND | 12500 | 11900 | ug/L | 96 | 5.5 | SW846 8260B |
| 1,1-Dichloroethene | ND | 12500 | 11400 | ug/L | 91 | | SW846 8260B |
| | ND | 12500 | 11500 | ug/L | 92 | 1.7 | SW846 8260B |
| Chlorobenzene | ND | 12500 | 11200 | ug/L | 89 | | SW846 8260B |
| | ND | 12500 | 10800 | ug/L | 87 | 3.2 | SW846 8260B |
| Toluene | ND | 12500 | 11000 | ug/L | 88 | | SW846 8260B |
| | ND | 12500 | 10900 | ug/L | 87 | 1.2 | SW846 8260B |
| Trichloroethene | ND | 12500 | 11600 | ug/L | 93 | | SW846 8260B |
| | ND | 12500 | 11800 | ug/L | 95 | 1.8 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| romofluorobenzene | 112 | (75 - 120) |
| | 112 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| | 102 | (65 - 130) |
| Toluene-d8 | 95 | (80 - 130) |
| | 94 | (80 - 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 #...: | E0J100272 | Work Order #...: | DM3JT1AC-MS | Matrix.....: | WATER |
| MS Lot-Sample #: | E0J120326-001 | | DM3JT1AD-MSD | | |
| Date Sampled...: | 10/12/00 07:30 | Date Received..: | 10/12/00 17:00 | MS Run #.....: | 0290179 |
| Prep Date.....: | 10/14/00 | Analysis Date..: | 10/14/00 | | |
| Prep Batch #...: | 0290380 | Analysis Time..: | 18:49 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 004648 | Instrument ID..: | MSC |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| Benzene | ND | 10.0 | 9.43 | ug/L | 94 | | SW846 8260B |
| | ND | 10.0 | 9.14 | ug/L | 91 | 3.1 | SW846 8260B |
| 1,1-Dichloroethene | ND | 10.0 | 9.36 | ug/L | 94 | | SW846 8260B |
| | ND | 10.0 | 9.38 | ug/L | 94 | 0.21 | SW846 8260B |
| Chlorobenzene | ND | 10.0 | 9.05 | ug/L | 90 | | SW846 8260B |
| | ND | 10.0 | 8.99 | ug/L | 90 | 0.66 | SW846 8260B |
| Toluene | ND | 10.0 | 9.02 | ug/L | 90 | | SW846 8260B |
| | ND | 10.0 | 8.94 | ug/L | 89 | 0.89 | SW846 8260B |
| Trichloroethene | ND | 10.0 | 9.22 | ug/L | 92 | | SW846 8260B |
| | ND | 10.0 | 8.89 | ug/L | 89 | 3.6 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 116 | (75 - 120) |
| | 115 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 102 | (65 - 130) |
| | 100 | (65 - 130) |
| Toluene-d8 | 97 | (80 - 130) |
| | 97 | (80 - 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 #...: E0J100272 Work Order #...: DLQ27104-MS Matrix.....: SOLID
MS Lot-Sample #: E0J060359-012 DLQ27105-MSD
Date Sampled...: 10/06/00 10:30 Date Received..: 10/06/00 17:45 MS Run #.....: 0292213
Prep Date.....: 10/16/00 Analysis Date..: 10/17/00
Prep Batch #...: 0292446 Analysis Time..: 02:40
Dilution Factor: 1 % Moisture.....: 100 Analyst ID.....: 001464
Instrument ID..: G15

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| TPH (as Gasoline) | 107 | (80 - 140) | | | SW846 8015B |
| | 104 | (80 - 140) | 2.8 | (0-40) | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 128 | (60 - 130) |
| | 126 | (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

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/09/00 14:50 Date Received..: 10/09/00 17:30

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0J090227-025 **Prep Batch #...:** 0285280 | | | | | | | |
| Mercury | 151 N | (80 - 120) | | | SW846 7471A | 10/11-10/13/00 | DLTDE10P |
| | 114 * | (80 - 120) | 28 | (0-20) | SW846 7471A | 10/11-10/13/00 | DLTDE10Q |

Dilution Factor: 1
Analysis Time..: 16:34 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 0285083

**NOTE(S):**

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

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| **MS Lot-Sample #:** E0J100272-001 **Prep Batch #...:** 0285266 | | | | | | | |
| Aluminum | NC | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11F |
| | NC | (80 - 120) | | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11G |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Arsenic | 85 | (75 - 115) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11H |
| | 86 | (75 - 115) | 1.7 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11J |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Antimony | 46 N | (75 - 115) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11K |
| | 48 N | (75 - 115) | 2.2 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11L |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Barium | 101 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11M |
| | 139 N | (80 - 120) | 21 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11N |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Cadmium | 91 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11P |
| | 91 | (80 - 120) | 0.13 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11Q |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Chromium | 96 | (85 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11R |
| | 94 | (85 - 120) | 1.2 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11T |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Beryllium | 91 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C10P |
| | 92 | (80 - 120) | 0.95 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C10Q |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Lead | 88 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C10R |
| | 88 | (80 - 120) | 0.21 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C10T |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Selenium | 83 | (70 - 115) | | | SW846 6010B | 10/12-10/13/00 | DLW5C10U |
| | 84 | (70 - 115) | 1.7 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C10V |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Silver | 84 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C10W |
| | 87 | (80 - 120) | 2.7 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C10X |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Cobalt | 94 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C110 |
| | 90 | (80 - 120) | 3.2 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C111 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Copper | 100 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C112 |
| | 99 | (80 - 120) | 0.72 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C113 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Molybdenum | 87 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C114 |
| | 89 | (80 - 120) | 1.9 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C115 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Nickel | 91 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C116 |
| | 89 | (80 - 120) | 2.1 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C117 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Thallium | 89 | (75 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C118 |
| | 91 | (75 - 120) | 2.4 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C119 |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0J100272 Matrix.....: SOLID
Date Sampled...: 10/10/00 09:00 Date Received..: 10/10/00 16:00

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD | PREPARATION-ANALYSIS DATE | WORK ORDER # |
|---|---|---|---|---|---|---|---|
| Vanadium | 101 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11A |
| | 96 | (80 - 120) | 2.4 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11C |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |
| Zinc | 95 | (80 - 120) | | | SW846 6010B | 10/12-10/13/00 | DLW5C11D |
| | 91 | (80 - 120) | 2.0 | (0-25) | SW846 6010B | 10/12-10/13/00 | DLW5C11E |
| | | Dilution Factor: 1 | | | | | |
| | | Analysis Time..: 19:34 | | | Instrument ID..: M01 | Analyst ID.....: 003119 | |
| | | MS Run #.....: 0285086 | | | | | |

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E0J100272 | Work Order #...: | DLW5C11U-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-001 | | DLW5C11V-MSD | | |
| Date Sampled...: | 10/10/00 09:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0285283 |
| Prep Date.....: | 10/11/00 | Analysis Date..: | 10/19/00 | | |
| Prep Batch #...: | 0285569 | Analysis Time..: | 22:10 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 356074 |
| Instrument ID..: | G01 | | | | |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| TPH (as Diesel) | 104 | (60 - 130) | | | SW846 8015B |
| | 103 | (60 - 130) | 1.0 | (0-35) | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Benzo(a)pyrene | 99 | (60 - 130) |
| | 96 | (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 #...: | E0J100272 | Work Order #...: | DLW5C12W-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-001 | | DLW5C12X-MSD | | |
| Date Sampled...: | 10/10/00 09:00 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298340 |
| Prep Date.....: | 10/21/00 | Analysis Date..: | 10/21/00 | | |
| Prep Batch #...: | 0298630 | Analysis Time..: | 17:01 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 004648 |
| Instrument ID..: | MSG | | | | |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 137 | (60 - 150) | | | SW846 8260B |
| | 111 | (60 - 150) | 21 | (0-30) | SW846 8260B |
| Benzene | 110 | (70 - 140) | | | SW846 8260B |
| | 101 | (70 - 140) | 8.3 | (0-30) | SW846 8260B |
| Trichloroethene | 112 | (70 - 130) | | | SW846 8260B |
| | 101 | (70 - 130) | 10 | (0-30) | SW846 8260B |
| Toluene | 108 | (70 - 130) | | | SW846 8260B |
| | 95 | (70 - 130) | 13 | (0-30) | SW846 8260B |
| Chlorobenzene | 104 | (70 - 130) | | | SW846 8260B |
| | 96 | (70 - 130) | 8.1 | (0-30) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 115 | (70 - 130) |
| | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 98 | (60 - 140) |
| | 106 | (60 - 140) |
| Toluene-d8 | 110 | (70 - 130) |
| | 97 | (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 #...: | E0J100272 | Work Order #...: | DLW5R11M-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-006 | | DLW5R11N-MSD | | |
| Date Sampled...: | 10/10/00 10:33 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0298344 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298634 | Analysis Time..: | 01:38 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 004648 |
| Instrument ID..: | MSG | | | | |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 124 | (60 - 150) | | | SW846 8260B |
| | 118 | (60 - 150) | 4.6 | (0-30) | SW846 8260B |
| Benzene | 104 | (70 - 140) | | | SW846 8260B |
| | 104 | (70 - 140) | 0.23 | (0-30) | SW846 8260B |
| Trichloroethene | 103 | (70 - 130) | | | SW846 8260B |
| | 101 | (70 - 130) | 1.9 | (0-30) | SW846 8260B |
| Toluene | 92 | (70 - 130) | | | SW846 8260B |
| | 94 | (70 - 130) | 2.1 | (0-30) | SW846 8260B |
| Chlorobenzene | 93 | (70 - 130) | | | SW846 8260B |
| | 94 | (70 - 130) | 1.1 | (0-30) | SW846 8260B |

| URROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (70 - 130) |
| | 106 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 114 | (60 - 140) |
| | 111 | (60 - 140) |
| Toluene-d8 | 100 | (70 - 130) |
| | 101 | (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 #...: | E0J100272 | Work Order #...: | DLW6P11A-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J100272-021 | | DLW6P11C-MSD | | |
| Date Sampled...: | 10/10/00 15:15 | Date Received..: | 10/10/00 16:00 | MS Run #.....: | 0292179 |
| Prep Date.....: | 10/13/00 | Analysis Date..: | 10/13/00 | | |
| Prep Batch #...: | 0292382 | Analysis Time..: | 16:18 | | |
| Dilution Factor: | 1 | % Moisture.....: | | Analyst ID.....: | 001464 |
| Instrument ID..: | G15 | | | | |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| TPH (as Gasoline) | 109 | (80 - 140) | | | SW846 8015B |
| | 80 | (80 - 140) | 31 | (0-40) | SW846 8015B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| a,a,a-Trifluorotoluene (TFT) | 123 | (60 - 130) |
| | 107 | (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 #...: | E0J100272 | Work Order #...: | DM1AP1AC-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E0J110284-020 | | DM1AP1AD-MSD | | |
| Date Sampled...: | 10/11/00 13:40 | Date Received..: | 10/11/00 16:45 | MS Run #.....: | 0298346 |
| Prep Date.....: | 10/22/00 | Analysis Date..: | 10/22/00 | | |
| Prep Batch #...: | 0298635 | Analysis Time..: | 18:28 | | |
| Dilution Factor: | 1 | % Moisture.....: | 100 | Analyst ID.....: | 004648 |
| Instrument ID..: | MSG | | | | |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 96 | (60 - 150) | | | SW846 8260B |
| | 119 | (60 - 150) | 21 | (0-30) | SW846 8260B |
| Benzene | 91 | (70 - 140) | | | SW846 8260B |
| | 102 | (70 - 140) | 12 | (0-30) | SW846 8260B |
| Trichloroethene | 81 | (70 - 130) | | | SW846 8260B |
| | 100 | (70 - 130) | 21 | (0-30) | SW846 8260B |
| Toluene | 79 | (70 - 130) | | | SW846 8260B |
| | 92 | (70 - 130) | 14 | (0-30) | SW846 8260B |
| Chlorobenzene | 80 | (70 - 130) | | | SW846 8260B |
| | 89 | (70 - 130) | 11 | (0-30) | SW846 8260B |

| URROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 106 | (70 - 130) |
| | 107 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 116 | (60 - 140) |
| | 113 | (60 - 140) |
| Toluene-d8 | 103 | (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 #...: E0J100272 Work Order #...: DM1CW1AE-MS Matrix.....: WATER
MS Lot-Sample #: E0J110288-002 DM1CW1AF-MSD
Date Sampled...: 10/11/00 09:03 Date Received..: 10/11/00 17:00 MS Run #.....: 0290181
Prep Date.....: 10/14/00 Analysis Date..: 10/14/00
Prep Batch #...: 0290380 Analysis Time..: 19:49
Dilution Factor: 1250 Analyst ID.....: 004648 Instrument ID..: MSC

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| Benzene | 90 | (75 - 120) | | | SW846 8260B |
| | 96 | (75 - 120) | 5.5 | (0-25) | SW846 8260B |
| 1,1-Dichloroethene | 91 | (70 - 130) | | | SW846 8260B |
| | 92 | (70 - 130) | 1.7 | (0-25) | SW846 8260B |
| Chlorobenzene | 89 | (80 - 120) | | | SW846 8260B |
| | 87 | (80 - 120) | 3.2 | (0-25) | SW846 8260B |
| Toluene | 88 | (80 - 120) | | | SW846 8260B |
| | 87 | (80 - 120) | 1.2 | (0-25) | SW846 8260B |
| Trichloroethene | 93 | (75 - 130) | | | SW846 8260B |
| | 95 | (75 - 130) | 1.8 | (0-25) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| romofluorobenzene | 112 | (75 - 120) |
| | 112 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| | 102 | (65 - 130) |
| Toluene-d8 | 95 | (80 - 130) |
| | 94 | (80 - 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 #...: | E0J100272 | Work Order #...: | DM3JT1AC-MS | Matrix.....: | WATER |
| MS Lot-Sample #: | E0J120326-001 | | DM3JT1AD-MSD | | |
| Date Sampled...: | 10/12/00 07:30 | Date Received..: | 10/12/00 17:00 | MS Run #.....: | 0290179 |
| Prep Date.....: | 10/14/00 | Analysis Date..: | 10/14/00 | | |
| Prep Batch #...: | 0290380 | Analysis Time..: | 18:49 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 004648 | Instrument ID..: | MSC |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| Benzene | 94 | (75 - 120) | | | SW846 8260B |
| | 91 | (75 - 120) | 3.1 | (0-25) | SW846 8260B |
| 1,1-Dichloroethene | 94 | (70 - 130) | | | SW846 8260B |
| | 94 | (70 - 130) | 0.21 | (0-25) | SW846 8260B |
| Chlorobenzene | 90 | (80 - 120) | | | SW846 8260B |
| | 90 | (80 - 120) | 0.66 | (0-25) | SW846 8260B |
| Toluene | 90 | (80 - 120) | | | SW846 8260B |
| | 89 | (80 - 120) | 0.89 | (0-25) | SW846 8260B |
| Trichloroethene | 92 | (75 - 130) | | | SW846 8260B |
| | 89 | (75 - 130) | 3.6 | (0-25) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| romofluorobenzene | 116 | (75 - 120) |
| | 115 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 102 | (65 - 130) |
| | 100 | (65 - 130) |
| Toluene-d8 | 97 | (80 - 130) |
| | 97 | (80 - 130) |

NOTE(S):

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

Bold print denotes control parameters

# Extended Raw Data

## Level III

Project # EJ510278

Analysis: 126013

000232

# Extended Raw Data

## Level III

Project # EO31W272

Analysis: 8260B



BOE-C6-0167354

# 8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 10-13-2000

INSTRUMENT ID: MC

SAMPLES: EUJ100272

Batch ID: _____

# GC/MS VOA Run Log

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

| Inst ID: MSC | EM Set: 1647 | Tune File: BFB U | Seq File: 10/13/BC |
|---|---|---|---|
| Init. Cal ID: 826BLL | | | Date: 10/13/2000 PM |

| Inj. Time | Analyst | File ID | Work Order # | AS # | Matrix | Sample Wt/Vol | Dil. | I.S. | Run | Rerun | pH | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16:44 | AD | CT1204 | 50ng BFB | | | | | | | | | |
| 17:00 | | CS2044 | .5 ppb 826013 | 1 | L | 1µ 5mL | 2.0 | 165 | ✓ | | | MSV001198-1 |
| 17:30 | | CS2045 | 1 ppb 826013 | 2 | | | | 163 | ✓ | | | S1224-1; S1224-2; SD1215-2 |
| 18:00 | | CS2046 | 5 ppb 826013 | 3 | | | | 161 | ✓ | | | |
| 18:30 | | CS2047 | 10 ppb 826013 | 4 | | | | 161 | ✓ | | | |
| 19:00 | | CS2048 | 50 ppb 826013 | 5 | | | | 157 | ✓ | | | |
| 19:30 | | CS2049 | 100 ppb 826013 | 6 | | | | 132 | ✓ | | | |
| 20:00 | | C09780 | MB-1013BC | 7 | | | | 52 | ✓ | | | |
| 20:31 | | 81 | LCS-1013BC | 1 | | | | 166 | ✓ | | | |
| 21:00 | | 82 | MB-1013BC | 7 | | | | 166 | ✓ | | | SECOND SOURCE 0C1253-1 |
| 21:40 | | 83 | DLP6C101 | 7 | | | | 169 | ✓ | | 2 | EOJ060287-2 |
| 22:10 | | 84 | DLM48C101 | 8 | | | | 151 | ✓ | | | EOJ130239-1 |
| 22:40 | | 85 | DLTAM101 | 9 | | | | 157 | ✓ | | | EOJ090226-1 |
| 23:10 | | 86 | DLTDP101 | 10 | | | | 149 | ✓ | | | -21 |
| 23:40 | | 87 | DLTDK101 | 11 | | | | 141 | ✓ | | | EOJ090227-27 |
| 0:10 | | 88 | DM1A91AA | 12 | | | | 157 | ✓ | | | EOJ110284-29 |
| 0:40 | | 89 | DM1CC1AA | 13 | | | | 137 | ✓ | | | -30 |
| 1:10 | | 90 | DM1DN1AA | 14 | | | | 157 | ✓ | | | EOJ110292-1 |
| 1:40 | | 91 | DM1EK1AA | 15 | | | | 142 | ✓ | | | -13 |
| 2:10 | | 92 | DLP6C102MS | 16 | | | | 158 | ✓ | | | EOJ060287-2M |
| 2:40 | | 93 | DLP6C103MSD | 1 | | | | 158 | ✓ | | | -2MS |
| 3:10 | | 94 | DLTDP102MS | 2 | | | | 159 | ✓ | | | EOJ090226-21M |
| 3:40 | | C097 95 | DLTDP103MD | 3 | | | | 90 | ✓ | ✓ | | 21MS |
| | | | | 4 | | | | | | | | |

G:\FORMS\Run Log\MSV Runlog.DOC

10-16-00



Version 01/04/99

000235

BOE-C6-0167356

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Level 2: \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Level 3: \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Level 4: \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Level 5: \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Level 6: \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D

BM 10/12/2000
10-16-00

| | Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 50.000 Level 4 | 100.000 Level 5 | 0.50000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 Dichlorodifluoromethane | 0.49651 | 0.48912 | 0.47578 | 0.45591 | 0.47329 | +++++ | 0.47812 | 3.276 | |
| | 2 Chloromethane (**) | 0.18600 | 0.17411 | 0.18335 | 0.16076 | 0.18682 | +++++ | 0.17821 | 6.163 | |
| | 3 Vinyl chloride (*) | +++++ | 0.22088 | 0.21270 | 0.21093 | 0.22309 | 0.19687 | 0.21289 | 4.861 | |
| | 4 Bromomethane | 0.22311 | 0.20660 | 0.21315 | 0.24098 | 0.24160 | +++++ | 0.22509 | 7.071 | |
| | 5 Chloroethane | 0.14179 | 0.14651 | 0.14745 | 0.12882 | 0.12350 | +++++ | 0.13761 | 7.876 | |
| | 6 Trichlorofluoromethane | 0.80921 | 0.81289 | 0.79698 | 0.76808 | 0.78705 | +++++ | 0.79484 | 2.280 | |
| | 7 Acrolein | 0.01686 | 0.01748 | 0.01710 | 0.01680 | 0.01861 | +++++ | 0.01737 | 4.279 | |
| | 8 1,1-Dichloroethene(*) | 0.29792 | 0.28106 | 0.28711 | 0.27355 | 0.29140 | +++++ | 0.28621 | 3.277 | |
| | 9 1,1,2-Trichlorotrifluoroethan | 0.49456 | 0.49171 | 0.47858 | 0.45078 | 0.46830 | +++++ | 0.47679 | 3.767 | |
| | 10 Iodomethane | 0.40952 | 0.55430 | 0.59744 | 0.55758 | 0.44005 | +++++ | 0.51178 | 16.008 | |
| | 11 Acetone | 0.03105 | 0.02318 | 0.02146 | 0.01628 | 0.01273 | +++++ | 0.02094 | 33.489 | <- |
| | 12 Carbon disulfide | 0.49939 | 0.55069 | 0.57489 | 0.62189 | 0.58818 | +++++ | 0.56701 | 8.063 | |
| | 13 Methylene chloride | 0.23369 | 0.23501 | 0.23667 | 0.22469 | 0.20870 | +++++ | 0.22775 | 5.100 | |
| | 14 Acrylonitrile | 0.00219 | 0.00345 | 0.00313 | 0.00311 | 0.00260 | +++++ | 0.00290 | 17.167 | <- |
| | 15 t-Butanol | 0.00609 | 0.00567 | 0.00526 | 0.00528 | 0.00382 | +++++ | 0.00522 | 16.396 | <- |
| | 16 Vinyl acetate | 0.29434 | 0.31153 | 0.30140 | 0.31021 | 0.28663 | +++++ | 0.30083 | 3.512 | |
| | 17 trans-1,2-Dichloroethene | 0.32296 | 0.33322 | 0.32759 | 0.31772 | 0.33545 | +++++ | 0.32739 | 2.225 | |
| | 18 Methyl-tert-butyl ether[MTBE] | 0.31209 | 0.30527 | 0.30191 | 0.28780 | 0.22510 | +++++ | 0.28643 | 12.363 | |
| | 19 1,1-Dichloroethane (**) | 0.51383 | 0.53312 | 0.52212 | 0.52051 | 0.53548 | +++++ | 0.52501 | 1.728 | |
| | 20 Isopropyl ether | 0.72858 | 0.71568 | 0.70437 | 0.68798 | 0.66076 | +++++ | 0.69947 | 3.759 | |
| | 21 Tert-butyl ethyl ether | 0.56493 | 0.57977 | 0.57953 | 0.56445 | 0.51679 | +++++ | 0.56109 | 4.611 | |
| M | 22 1,2-Dichloroethene (total) | 0.29368 | 0.32798 | 0.32779 | 0.31644 | 0.32045 | +++++ | 0.31727 | 4.438 | |
| | 23 2,2-Dichloropropane | 0.16802 | 0.24897 | 0.28426 | 0.43256 | 0.45558 | +++++ | 0.31788 | 38.673 | <- |
| | 24 cis-1,2-Dichloroethene | 0.26439 | 0.32274 | 0.32799 | 0.31517 | 0.30545 | +++++ | 0.30715 | 8.257 | |
| | 25 2-Butanone | 0.03018 | 0.02554 | 0.02285 | 0.02198 | 0.01773 | +++++ | 0.02365 | 19.452 | |

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

| | Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 50.000 Level 4 | 100.000 Level 5 | 0.50000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 26 Bromochloromethane | 0.16248 | 0.16239 | 0.15663 | 0.14748 | 0.11376 | +++++ | 0.14855 | 13.724 | |
| | 27 Tetrahydrofuran | 0.00568 | 0.01326 | 0.01510 | 0.01421 | 0.01114 | +++++ | 0.01188 | 31.711 | <- |
| | 28 Chloroform (*) | 0.80274 | 0.79476 | 0.77308 | 0.74870 | 0.69296 | +++++ | 0.76245 | 5.791 | |
| | 30 1,1,1-Trichloroethane | 0.70831 | 0.74660 | 0.75846 | 0.75013 | 0.74202 | +++++ | 0.74110 | 2.604 | |
| | 31 Carbon Tetrachloride | +++++ | 0.71493 | 0.74104 | 0.73773 | 0.72805 | 0.55470 | 0.69529 | 11.398 | |
| | 32 1,1-Dichloropropene | 0.58222 | 0.58268 | 0.57319 | 0.55465 | 0.56024 | +++++ | 0.57059 | 2.233 | |
| | 34 1,2-Dichloroethane-d4 2nd | 0.04398 | 0.04856 | 0.04657 | 0.04536 | 0.03568 | +++++ | 0.04403 | 11.271 | |
| | 35 Benzene | 0.80780 | 0.82182 | 0.81915 | 0.77812 | 0.74533 | +++++ | 0.79444 | 4.087 | |
| | 36 1,2-Dichloroethane | +++++ | 0.35244 | 0.33705 | 0.31499 | 0.25543 | 0.34468 | 0.32092 | 12.211 | |
| | 37 Tert-amyl methyl ether | 0.42944 | 0.42620 | 0.40970 | 0.41156 | 0.33946 | +++++ | 0.40327 | 9.105 | |
| | 39 Trichloroethene | 0.52815 | 0.51592 | 0.50277 | 0.48801 | 0.48149 | +++++ | 0.50327 | 3.831 | |
| | 40 1,2-Dichloropropane(*) | 0.28774 | 0.28430 | 0.28608 | 0.27461 | 0.24423 | +++++ | 0.27539 | 6.591 | |
| | 41 Dibromomethane | 0.19885 | 0.20865 | 0.20724 | 0.18947 | 0.13662 | +++++ | 0.18816 | 15.847 | |
| | 42 Bromodichloromethane | 0.49216 | 0.57162 | 0.58614 | 0.59751 | 0.49967 | +++++ | 0.54942 | 9.058 | |
| | 43 2-Chloroethylvinyl ether | +++++ | 0.00423 | 0.00503 | 0.00653 | 0.00362 | +++++ | 0.00485 | 25.961 | <- |
| | 44 1-Bromo-2-chloroethane | 0.24861 | 0.26164 | 0.27206 | 0.28149 | 0.21454 | +++++ | 0.25567 | 10.186 | |
| | 45 cis-1,3-Dichloropropene | +++++ | 0.31885 | 0.33707 | 0.36203 | 0.30824 | 0.22437 | 0.31011 | 16.797 | |
| | 46 4-Methyl-2-pentanone | 0.06595 | 0.07222 | 0.07387 | 0.07007 | 0.05636 | +++++ | 0.06770 | 10.333 | |
| | 48 Toluene (*) | 1.38482 | 1.42173 | 1.41791 | 1.35924 | 1.38923 | +++++ | 1.39458 | 1.847 | |
| | 49 trans-1,3-Dichloropropene | +++++ | 0.27269 | 0.28882 | 0.33405 | 0.29669 | 0.18257 | 0.27496 | 20.491 | |
| | 50 1,1,2-Trichloroethane | 0.24555 | 0.24456 | 0.24778 | 0.23277 | 0.19897 | +++++ | 0.23393 | 8.718 | |
| | 51 Tetrachloroethene | 0.74859 | 0.75306 | 0.73460 | 0.68926 | 0.71727 | +++++ | 0.72855 | 3.573 | |
| | 52 1,3-Dichloropropane | 0.39028 | 0.39103 | 0.39896 | 0.37596 | 0.32363 | +++++ | 0.37597 | 8.089 | |
| | 53 2-Hexanone | 0.08632 | 0.06126 | 0.06524 | 0.06513 | 0.05362 | +++++ | 0.06631 | 18.303 | |
| | 54 Dibromochloromethane | 0.40195 | 0.48973 | 0.53259 | 0.55850 | 0.49047 | +++++ | 0.49465 | 12.024 | |
| | 55 1,2-Dibromoethane | 0.30346 | 0.32936 | 0.33945 | 0.33065 | 0.28140 | +++++ | 0.31686 | 7.557 | |
| | 57 Chlorobenzene (**) | 1.08512 | 1.10768 | 1.08767 | 1.05573 | 1.02377 | +++++ | 1.07199 | 3.052 | |
| | 58 1,1,1,2-Tetrachloroethane | 0.49575 | 0.55588 | 0.56949 | 0.55382 | 0.51429 | +++++ | 0.53784 | 5.812 | |
| | 59 Ethylbenzene (*) | 0.53678 | 0.53057 | 0.53365 | 0.50952 | 0.53624 | +++++ | 0.52935 | 2.145 | |
| | 60 m,p-Xylenes | 0.65367 | 0.66826 | 0.66882 | 0.63135 | 0.63643 | +++++ | 0.65171 | 2.678 | |
| M | 61 Xylenes (total) | 0.63945 | 0.65324 | 0.64800 | 0.61571 | 0.61753 | +++++ | 0.63479 | 2.727 | |
| | 62 o-Xylene | 0.61100 | 0.62321 | 0.60638 | 0.58443 | 0.57971 | +++++ | 0.60095 | 3.057 | |
| | 63 Styrene | 0.85728 | 0.91567 | 0.91995 | 0.87813 | 0.82064 | +++++ | 0.87833 | 4.728 | |

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 13-OCT-2000 17:00
End Cal Date : 13-OCT-2000 19:30
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.M
Cal Date : 13-Oct-2000 21:20 DONGA
Curve Type : Average

| Compound | 1.000 Level 1 | 5.000 Level 2 | 10.000 Level 3 | 50.000 Level 4 | 100.000 Level 5 | 0.50000 Level 6 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|
| 64 Bromoform (**) | 0.19290 | 0.26492 | 0.29249 | 0.32388 | 0.28250 | +++++ | 0.27134 | 17.985 | |
| 65 Isopropylbenzene | 2.05959 | 2.14926 | 2.13729 | 2.00208 | 2.13483 | +++++ | 2.09661 | 3.035 | |
| 67 4-Bromofluorobenzene-2nd | 0.67813 | 0.66370 | 0.65612 | 0.55201 | 0.51027 | +++++ | 0.61205 | 12.373 | |
| 68 Bromobenzene | 0.94529 | 0.92107 | 0.95433 | 0.97692 | 0.99264 | +++++ | 0.95805 | 2.904 | |
| 69 1,1,2,2-Tetrachloroethane(**) | 0.46735 | 0.44798 | 0.46776 | 0.47733 | 0.43752 | +++++ | 0.45959 | 3.548 | |
| 70 1,2,3-Trichloropropane | 0.11090 | 0.12127 | 0.12831 | 0.12960 | 0.11728 | +++++ | 0.12147 | 6.407 | |
| 71 n-Propylbenzene | 3.57614 | 3.92424 | 3.97675 | 4.14361 | 4.69307 | +++++ | 4.06276 | 10.053 | |
| 72 2-Chlorotoluene | 0.81673 | 0.79867 | 0.79228 | 0.79732 | 0.85978 | +++++ | 0.81296 | 3.415 | |
| 73 4-Chlorotoluene | 0.73369 | 0.79770 | 0.79761 | 0.79448 | 0.83163 | +++++ | 0.79102 | 4.486 | |
| 74 1,3,5-Trimethylbenzene | 2.80071 | 2.77688 | 2.74623 | 2.77804 | 3.08201 | +++++ | 2.83677 | 4.881 | |
| 75 tert-Butylbenzene | 2.97631 | 3.01819 | 3.05441 | 3.08194 | 3.47642 | +++++ | 3.12145 | 6.483 | |
| 76 1,2,4-Trimethylbenzene | 2.70331 | 2.73289 | 2.74400 | 2.72471 | 2.99103 | +++++ | 2.77919 | 4.295 | |
| 77 sec-Butylbenzene | 4.00106 | 4.02006 | 4.01515 | 4.05092 | 4.72902 | +++++ | 4.16324 | 7.609 | |
| 78 1,3-Dichlorobenzene | 1.68534 | 1.71342 | 1.67732 | 1.70132 | 1.75687 | +++++ | 1.70685 | 1.832 | |
| 80 p-Isopropyltoluene | 3.45055 | 3.43751 | 3.38603 | 3.33973 | 3.71814 | +++++ | 3.46639 | 4.254 | |
| 81 1,4-Dichlorobenzene | 1.86500 | 1.70800 | 1.73562 | 1.67203 | 1.62949 | +++++ | 1.72203 | 5.185 | |
| 82 1,2-Dichlorobenzene | 1.39482 | 1.40406 | 1.35719 | 1.38131 | 1.35502 | +++++ | 1.37848 | 1.595 | |
| 83 n-Butylbenzene | 3.27005 | 3.32819 | 3.36417 | 3.36537 | 3.82423 | +++++ | 3.43040 | 6.516 | |
| 84 1,2-Dibromo-3-chloropropane | 0.04309 | 0.08498 | 0.09733 | 0.11561 | 0.10661 | +++++ | 0.08952 | 31.644 | <- |
| 85 1,2,4-Trichlorobenzene | 1.17749 | 1.21916 | 1.28077 | 1.33682 | 1.32355 | +++++ | 1.26756 | 5.374 | |
| 86 Hexachlorobutadiene | 1.60768 | 1.69716 | 1.71683 | 1.68878 | 1.90892 | +++++ | 1.72387 | 6.469 | |
| 87 Napthalene | 0.69860 | 0.77422 | 0.87364 | 0.89743 | 0.76811 | +++++ | 0.80240 | 10.211 | |
| 88 1,2,3-Trichlorobenzene | 0.97684 | 0.97289 | 0.96721 | 0.98031 | 0.92103 | +++++ | 0.96366 | 2.524 | |
| $ 29 Dibromofluoromethane | 0.59139 | 0.56739 | 0.54919 | 0.51711 | 0.44416 | +++++ | 0.53385 | 10.677 | |
| $ 33 1,2-Dichloroethane-d4 | 0.28092 | 0.26466 | 0.26396 | 0.24358 | 0.19544 | +++++ | 0.24971 | 13.257 | |
| $ 47 Toluene-d8 | 1.15639 | 1.09578 | 1.09375 | 1.04503 | 1.03958 | +++++ | 1.08611 | 4.354 | |
| $ 66 4-Bromofluorobenzene | 0.78314 | 0.78619 | 0.77187 | 0.66377 | 0.60894 | +++++ | 0.72278 | 11.265 | |

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000



# INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL

| COMPOUND | %RSD |
|---|---|
| Dichlorodifluoromethane | 3.3 |
| Chloromethane (**) | 6.2 |
| Vinyl chloride (*) | 4.9 |
| Bromomethane | 7.1 |
| Chloroethane | 7.9 |
| Trichlorofluoromethane | 2.3 |
| 1,1-Dichloroethene(*) | 3.3 |
| 1,1,2-Trichlorotrifluoroethan | 3.8 |
| Acetone | 33.5 |
| Iodomethane | 16.0 |
| Carbon disulfide | 8.1 |
| Methylene chloride | 5.1 |
| t-Butanol | 16.4 |
| trans-1,2-Dichloroethene | 2.2 |
| Methyl-tert-butyl ether[MTBE] | 12.4 |
| Acrolein | 4.3 |
| 1,1-Dichloroethane (**) | 1.7 |
| Vinyl acetate | 3.5 |
| Isopropyl ether | 3.8 |
| 1,2-Dichloroethene (total) | 4.4 |
| Tert-butyl ethyl ether | 4.6 |
| cis-1,2-Dichloroethene | 8.3 |
| 2,2-Dichloropropane | 38.7 |
| 2-Butanone | 19.5 |
| Bromochloromethane | 13.7 |
| Tetrahydrofuran | 31.7 |
| Chloroform (*) | 5.8 |
| Dibromofluoromethane | 10.7 |
| 1,1,1-Trichloroethane | 2.6 |
| 1,1-Dichloropropene | 2.2 |
| Carbon Tetrachloride | 11.4 |
| Acrylonitrile | 17.2 |
| 1,2-Dichloroethane-d4 2nd | 11.3 |
| 1,2-Dichloroethane-d4 | 13.3 |
| Benzene | 4.1 |
| 1,2-Dichloroethane | 12.2 |
| Tert-amyl methyl ether | 9.1 |
| Trichloroethene | 3.8 |
| 1,2-Dichloropropane(*) | 6.6 |

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

# INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\

| COMPOUND | %RSD |
|---|---|
| Dibromomethane | 15.8 |
| Bromodichloromethane | 9.1 |
| 1-Bromo-2-chloroethane | 10.2 |
| 2-Chloroethylvinyl ether | 26.0 |
| cis-1,3-Dichloropropene | 16.8 |
| 4-Methyl-2-pentanone | 10.3 |
| Toluene-d8 | 4.4 |
| Toluene (*) | 1.8 |
| trans-1,3-Dichloropropene | 20.5 |
| 1,1,2-Trichloroethane | 8.7 |
| Tetrachloroethene | 3.6 |
| 1,3-Dichloropropane | 8.1 |
| 2-Hexanone | 18.3 |
| Dibromochloromethane | 12.0 |
| 1,2-Dibromoethane | 7.6 |
| Chlorobenzene (**) | 3.1 |
| 1,1,1,2-Tetrachloroethane | 5.8 |
| Ethylbenzene (*) | 2.1 |
| Xylenes (total) | 2.7 |
| m,p-Xylenes | 2.7 |
| o-Xylene | 3.1 |
| Styrene | 4.7 |
| Bromoform (**) | 18.0 |
| Isopropylbenzene | 3.0 |
| 4-Bromofluorobenzene | 11.3 |
| 4-Bromofluorobenzene-2nd | 12.4 |
| Bromobenzene | 2.9 |
| 1,1,2,2-Tetrachloroethane(**) | 3.5 |
| 1,2,3-Trichloropropane | 6.4 |
| n-Propylbenzene | 10.1 |
| 2-Chlorotoluene | 3.4 |
| 4-Chlorotoluene | 4.5 |
| 1,3,5-Trimethylbenzene | 4.9 |
| tert-Butylbenzene | 6.5 |
| 1,2,4-Trimethylbenzene | 4.3 |
| sec-Butylbenzene | 7.6 |
| 1,3-Dichlorobenzene | 1.8 |
| p-Isopropyltoluene | 4.3 |
| 1,4-Dichlorobenzene | 5.2 |

Data File: \\SANP2010\D\chem\mc.i\1013BC.B/CS2049.D
Report Date: 10/13/2000

# INITIAL CALIBRATION REPORT

Instrument ID: mc.i
Lab File ID: CS2049.D
Analysis Type: WATER

Injection Date: 13-OCT-2000 19:30
Lab Sample ID: 100PPB 8260BSTD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\

| COMPOUND | %RSD |
|---|---|
| 1,2-Dichlorobenzene | 1.6 |
| n-Butylbenzene | 6.5 |
| 1,2-Dibromo-3-chloropropane | 31.6 |
| 1,2,4-Trichlorobenzene | 5.4 |
| Hexachlorobutadiene | 6.5 |
| Napthalene | 10.2 |
| 1,2,3-Trichlorobenzene | 2.5 |

The average of all %RSD's in the initial calibration is 8.8

MM 10/13/2000
10-16-00

STL Los Angeles

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D
Lab Smp Id:
Inj Date : 13-OCT-2000 16:44
Operator : AD Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : 1UL;MSVOA1198-2,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\BFB.M
Meth Date : 23-May-2000 08:08 kentf Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * VI

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | ng unit correction factor |
| Vf | 1.000 | Volumetric correction factor |
| VI | 1.000 | Injection Volume |

| RT | EXP RT | (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 p-Bromofluorobenzene | | | | | | CAS #: 460-00-4 | | |
| 2.1451 | 2.1000 | (0.000) | 95 | 81802 | | | 0.00- 100.00 | 100.00 |
| 2.1451 | 2.1000 | (0.000) | 50 | 19304 | | | 15.00- 40.00 | 23.60 |
| 2.1451 | 2.1000 | (0.000) | 75 | 42832 | | | 30.00- 60.00 | 52.36 |
| 2.1451 | 2.1000 | (0.000) | 96 | 6113 | | | 5.00- 9.00 | 7.47 |
| 2.1451 | 2.1000 | (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 2.1451 | 2.1000 | (0.000) | 174 | 70997 | | | 50.00- 0.00 | 86.79 |
| 2.1451 | 2.1000 | (0.000) | 175 | 5608 | | | 5.00- 9.00 | 7.90 |
| 2.1451 | 2.1000 | (0.000) | 176 | 69992 | | | 95.00- 101.00 | 98.58 |
| 2.1451 | 2.1000 | (0.000) | 177 | 4761 | | | 5.00- 9.00 | 6.80 |

AM 10/13/2000
10-16-00

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

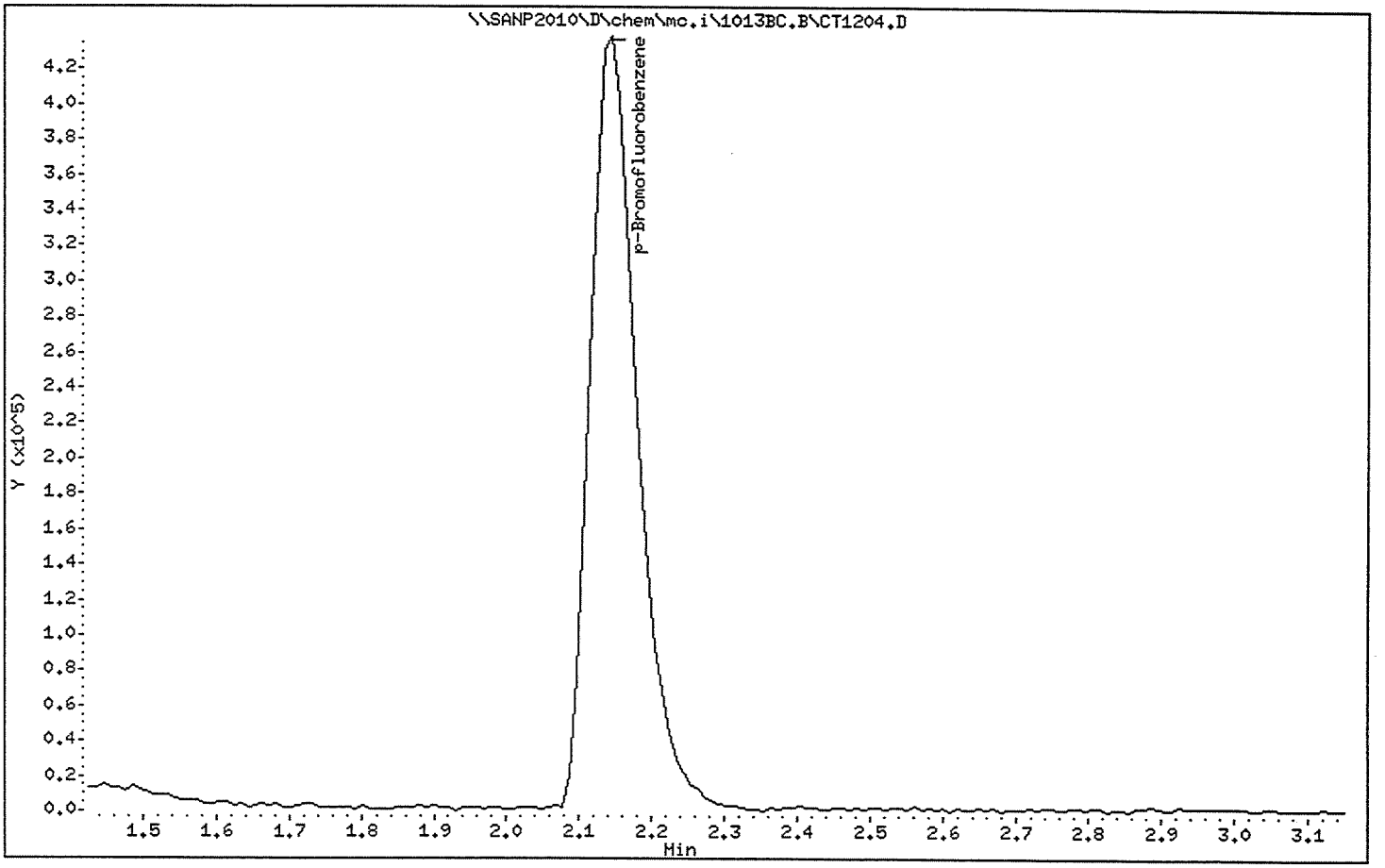
Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

Instrument: mc.i

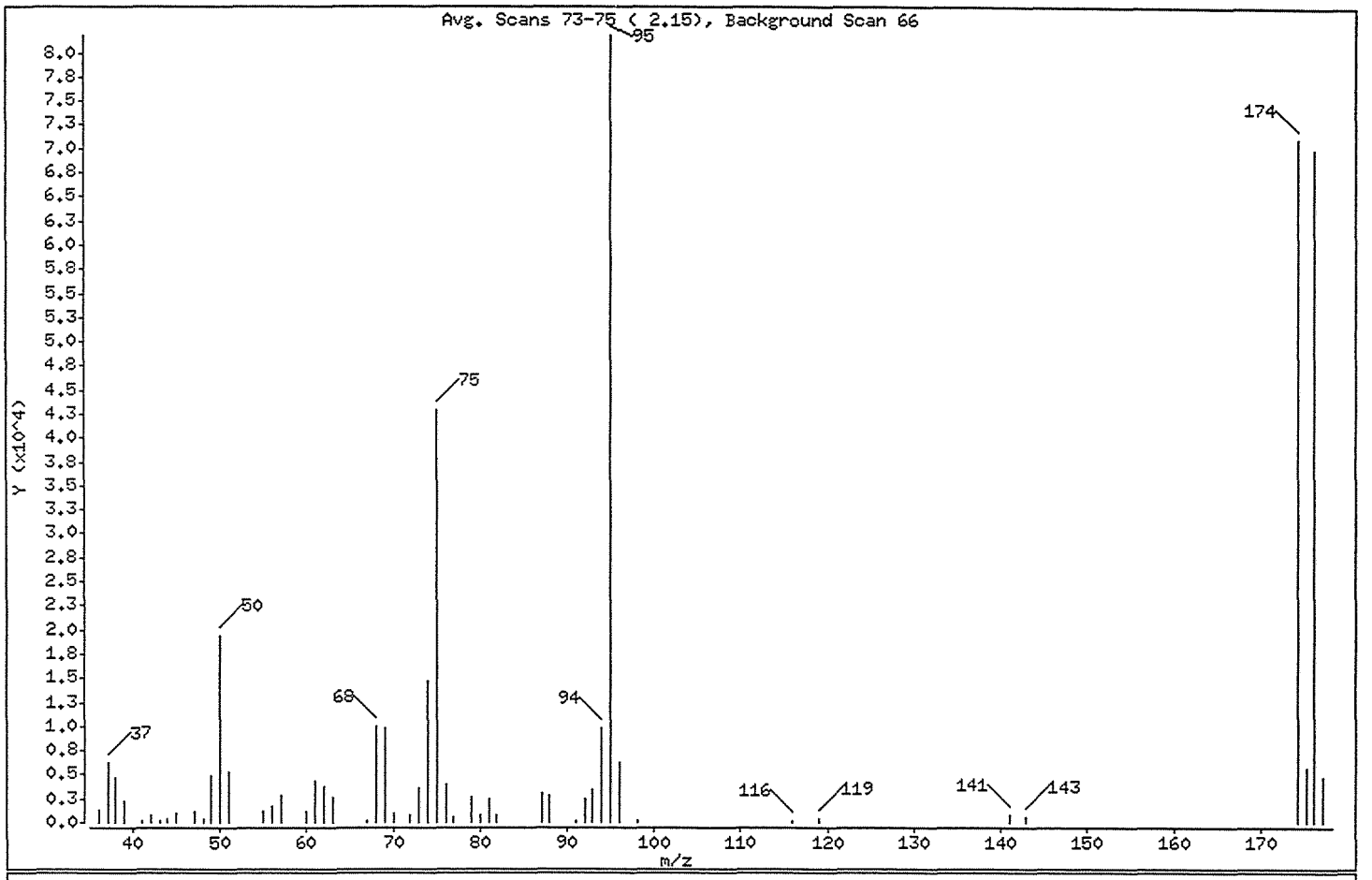
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 p-Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 23.60 |
| 75 | 30.00 - 60.00% of mass 95 | 52.36 |
| 96 | 5.00 - 9.00% of mass 95 | 7.47 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 86.79 |
| 175 | 5.00 - 9.00% of mass 174 | 6.86 ( 7.90) |
| 176 | 95.00 - 101.00% of mass 174 | 85.56 ( 98.58) |
| 177 | 5.00 - 9.00% of mass 176 | 5.82 ( 6.80) |

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CT1204.D

Date : 13-OCT-2000 16:44

Client ID:

Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1204.D
Spectrum: Avg. Scans 73-75 ( 2.15), Background Scan 66
Location of Maximum: 95.00
Number of points: 52

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1303 | 55.00 | 1201 | 75.00 | 42832 | 96.00 | 6113 |
| 37.00 | 6152 | 56.00 | 1614 | 76.00 | 3943 | 98.00 | 192 |
| 38.00 | 4611 | 57.00 | 2913 | 77.00 | 618 | 116.00 | 204 |
| 39.00 | 2188 | 60.00 | 1051 | 79.00 | 2659 | 119.00 | 375 |
| 41.00 | 190 | 61.00 | 4355 | 80.00 | 793 | 141.00 | 707 |
| 42.00 | 731 | 62.00 | 3845 | 81.00 | 2466 | 143.00 | 598 |
| 43.00 | 173 | 63.00 | 2592 | 82.00 | 715 | 174.00 | 70992 |
| 44.00 | 325 | 67.00 | 171 | 87.00 | 2946 | 175.00 | 5608 |
| 45.00 | 1021 | 68.00 | 9886 | 88.00 | 2816 | 176.00 | 69992 |
| 47.00 | 1175 | 69.00 | 9757 | 91.00 | 252 | 177.00 | 4761 |
| 48.00 | 394 | 70.00 | 912 | 92.00 | 2403 | | |
| 49.00 | 4956 | 72.00 | 718 | 93.00 | 3349 | | |
| 50.00 | 19304 | 73.00 | 3613 | 94.00 | 9815 | | |
| 51.00 | 5314 | 74.00 | 14592 | 95.00 | 81800 | | |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2044.D
Lab Smp Id: 0.5PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1611523 | 805762 | 3223046 | 1659284 | 2.96 |
| 56 Chlorobenzene-d5 | 1211181 | 605591 | 2422362 | 1212914 | 0.14 |
| 79 1,4-Dichlorobenze | 758273 | 379137 | 1516546 | 733740 | -3.24 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | 0.05 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.50 | 0.10 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.13 | 0.07 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2045.D
Lab Smp Id: 1PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1611523 | 805762 | 3223046 | 1638508 | 1.67 |
| 56 Chlorobenzene-d5 | 1211181 | 605591 | 2422362 | 1235021 | 1.97 |
| 79 1,4-Dichlorobenze | 758273 | 379137 | 1516546 | 763117 | 0.64 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.03 | 0.12 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | -0.00 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.12 | 0.05 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2046.D
Lab Smp Id: 5PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1611523 | 805762 | 3223046 | 1613881 | 0.15 |
| 56 Chlorobenzene-d5 | 1211181 | 605591 | 2422362 | 1216119 | 0.41 |
| 79 1,4-Dichlorobenze | 758273 | 379137 | 1516546 | 775010 | 2.21 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | 0.00 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.48 | -0.07 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.12 | 0.06 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2047.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 18:30

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1611523 | 805762 | 3223046 | 1611523 | 0.00 |
| 56 Chlorobenzene-d5 | 1203388 | 601694 | 2406776 | 1203388 | 0.00 |
| 79 1,4-Dichlorobenze | 755803 | 377902 | 1511606 | 755803 | 0.00 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | 0.00 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | 0.00 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.11 | 0.00 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2048.D
Lab Smp Id: 50PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:31

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1662289 | 831145 | 3324578 | 1579493 | -4.98 |
| 56 Chlorobenzene-d5 | 1178377 | 589189 | 2356754 | 1124179 | -4.60 |
| 79 1,4-Dichlorobenze | 708111 | 354056 | 1416222 | 650788 | -8.10 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | -0.02 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.48 | -0.08 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.12 | -0.01 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2049.D
Lab Smp Id: 100PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Misc Info: ,25,,,1,1-8260B.SUB

Calibration Date: 13-OCT-2000
Calibration Time: 20:31

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1662289 | 831145 | 3324578 | 1325546 | -20.26 |
| 56 Chlorobenzene-d5 | 1178377 | 589189 | 2356754 | 894739 | -24.07 |
| 79 1,4-Dichlorobenze | 708111 | 354056 | 1416222 | 466527 | -34.12 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.05 | 0.34 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.50 | 0.06 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.13 | 0.04 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2044.D
Lab Smp Id: 0.5PPB 8260BSTD
Inj Date : 13-OCT-2000 17:00
Operator : AD Inst ID: mc.i
Smp Info : 0.5PPB 8260BSTD,,,6,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.853 | 1.860 | (0.231) | 37348 | 0.50000 | 0.471(a) |
| 2 Chloromethane (**) | 50 | 2.031 | 2.086 | (0.253) | 1574 | 0.50000 | 0.104(a) |
| 3 Vinyl chloride (*) | 62 | 2.149 | 2.155 | (0.268) | 16333 | 0.50000 | 0.462(a) |
| 4 Bromomethane | 94 | 2.504 | 2.481 | (0.312) | 18557 | 0.50000 | 0.497(a) |
| 5 Chloroethane | *64 | 2.612 | 2.589 | (0.326) | 8182 | 0.50000 | 0.358(a) |
| 6 Trichlorofluoromethane | 101 | 2.888 | 2.904 | (0.360) | 61817 | 0.50000 | 0.469(a) |
| 7 Acrolein | 56 | 5.017 | 5.043 | (0.625) | 10832 | 0.50000 | 3.76(a) |
| 8 1,1-Dichloroethene(*) | 96 | 3.509 | 3.515 | (0.437) | 21730 | 0.50000 | 0.468(a) |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.499 | 3.545 | (0.436) | 35814 | 0.50000 | 0.453(a) |
| 10 Iodomethane | 142 | 3.687 | 3.703 | (0.459) | 51593 | 0.50000 | 0.608(a) |
| 11 Acetone | 43 | 3.568 | 3.575 | (0.445) | 16311 | 0.50000 | 4.69(a) |
| 12 Carbon disulfide | 76 | 3.785 | 3.801 | (0.472) | 35100 | 0.50000 | 0.293(a) |
| 13 Methylene chloride | 84 | 4.150 | 4.176 | (0.517) | 6421 | 0.50000 | 0.170(a) |
| 16 Vinyl acetate | 43 | 5.352 | 5.368 | (0.667) | 47580 | 0.50000 | 1.04(a) |
| 17 trans-1,2-Dichloroethene | 96 | 4.564 | 4.590 | (0.569) | 18337 | 0.50000 | 0.338(a) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.593 | 4.619 | (0.573) | 17645 | 0.50000 | 0.371(a) |
| | 19 1,1-Dichloroethane (**) | 63 | 5.165 | 5.220 | (0.644) | 37493 | 0.50000 | 0.430(a) |
| | 20 Isopropyl ether | 45 | 5.342 | 5.398 | (0.666) | 31089 | 0.50000 | 0.268(a) |
| | 21 Tert-butyl ethyl ether | 59 | 5.963 | 5.970 | (0.743) | 24505 | 0.50000 | 0.263(a) |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 42529 | 0.50000 | 0.812(a) |
| | 24 cis-1,2-Dichloroethene | 96 | 6.091 | 6.147 | (0.759) | 24192 | 0.50000 | 0.475(a) |
| | 25 2-Butanone | 43 | 6.170 | 6.167 | (0.769) | 7580 | 0.50000 | 1.92(a) |
| | 26 Bromochloromethane | 128 | 6.466 | 6.511 | (0.806) | 4941 | 0.50000 | 0.200(a) |
| | 28 Chloroform (*) | 83 | 6.643 | 6.669 | (0.828) | 65111 | 0.50000 | 0.515 |
| $ | 29 Dibromofluoromethane | 111 | 6.900 | 6.926 | (0.860) | 39632 | 0.50000 | 0.447(a) |
| | 30 1,1,1-Trichloroethane | 97 | 6.910 | 6.965 | (0.861) | 51068 | 0.50000 | 0.415(a) |
| | 31 Carbon Tetrachloride | 117 | 7.215 | 7.251 | (0.899) | 46020 | 0.50000 | 0.399(a) |
| | 32 1,1-Dichloropropene | 75 | 7.186 | 7.241 | (0.896) | 44120 | 0.50000 | 0.465(a) |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.452 | 7.458 | (0.929) | 1643 | 0.50000 | 0.225(a) |
| | 35 Benzene | 78 | 7.530 | 7.576 | (0.939) | 65850 | 0.50000 | 0.500 |
| | 36 1,2-Dichloroethane | 62 | 7.550 | 7.596 | (0.941) | 28596 | 0.50000 | 0.535(a) |
| | 37 Tert-amyl methyl ether | 73 | 7.816 | 7.822 | (0.974) | 30592 | 0.50000 | 0.457(a) |
| * | 38 Fluorobenzene | 96 | 8.023 | 8.049 | (1.000) | 1659284 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.664 | 8.690 | (1.080) | 37809 | 0.50000 | 0.453(a) |
| | 40 1,2-Dichloropropane(*) | 63 | 9.028 | 9.044 | (1.125) | 20445 | 0.50000 | 0.447(a) |
| | 41 Dibromomethane | 93 | 9.226 | 9.242 | (1.150) | 13851 | 0.50000 | 0.444(a) |
| | 42 Bromodichloromethane | 83 | 9.531 | 9.547 | (1.188) | 38072 | 0.50000 | 0.418(a) |
| | 44 1-Bromo-2-chloroethane | 63 | 10.034 | 10.069 | (1.251) | 7218 | 0.50000 | 0.170(a) |
| | 45 cis-1,3-Dichloropropene | 75 | 10.339 | 10.355 | (1.289) | 18615 | 0.50000 | 0.362(a) |
| | 46 4-Methyl-2-pentanone | 43 | 10.665 | 10.661 | (1.329) | 16535 | 0.50000 | 1.47(a) |
| $ | 47 Toluene-d8 | 98 | 10.803 | 10.848 | (0.800) | 19232 | 0.50000 | 0.146(a) |
| | 49 trans-1,3-Dichloropropene | 75 | 11.364 | 11.380 | (0.842) | 11072 | 0.50000 | 0.332(a) |
| | 50 1,1,2-Trichloroethane | 97 | 11.699 | 11.696 | (0.866) | 12463 | 0.50000 | 0.440(a) |
| | 51 Tetrachloroethene | 164 | 11.956 | 11.972 | (0.885) | 24018 | 0.50000 | 0.300(a) |
| | 52 1,3-Dichloropropane | 76 | 11.985 | 11.991 | (0.888) | 22838 | 0.50000 | 0.500(a) |
| | 53 2-Hexanone | 43 | 12.222 | 12.198 | (0.905) | 19308 | 0.50000 | 2.88(a) |
| | 54 Dibromochloromethane | 129 | 12.389 | 12.405 | (0.918) | 21063 | 0.50000 | 0.351(a) |
| | 55 1,2-Dibromoethane | 107 | 12.577 | 12.583 | (0.931) | 15632 | 0.50000 | 0.406(a) |
| * | 56 Chlorobenzene-d5 | 117 | 13.503 | 13.499 | (1.000) | 1212914 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.542 | 13.549 | (1.003) | 61620 | 0.50000 | 0.474(a) |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.730 | 13.726 | (1.017) | 20910 | 0.50000 | 0.320(a) |
| | 59 Ethylbenzene (*) | 106 | 13.809 | 13.815 | (1.023) | 29025 | 0.50000 | 0.452(a) |
| | 60 m,p-Xylenes | 106 | 14.035 | 14.051 | (1.039) | 76309 | 0.50000 | 0.965(a) |
| M | 61 Xylenes (total) | 100 | | | | 109596 | 0.50000 | 1.42 |
| | 62 o-Xylene | 106 | 14.794 | 14.790 | (1.096) | 33286 | 0.50000 | 0.457(a) |
| | 63 Styrene | 104 | 14.824 | 14.830 | (1.098) | 46645 | 0.50000 | 0.438(a) |
| | 64 Bromoform (**) | 173 | 15.129 | 15.125 | (1.120) | 8911 | 0.50000 | 0.270(a) |
| | 65 Isopropylbenzene | 105 | 15.543 | 15.549 | (1.151) | 116152 | 0.50000 | 0.456(a) |
| $ | 66 4-Bromofluorobenzene | 95 | 15.809 | 15.806 | (1.171) | 46871 | 0.50000 | 0.534(a) |
| | 67 4-Bromofluorobenzene-2nd | 174 | 15.819 | 15.815 | (1.172) | 37295 | 0.50000 | 0.502(a) |
| | 68 Bromobenzene | 156 | 16.056 | 16.062 | (0.886) | 33792 | 0.50000 | 0.481(a) |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.134 | 16.141 | (0.890) | 15772 | 0.50000 | 0.468(a) |

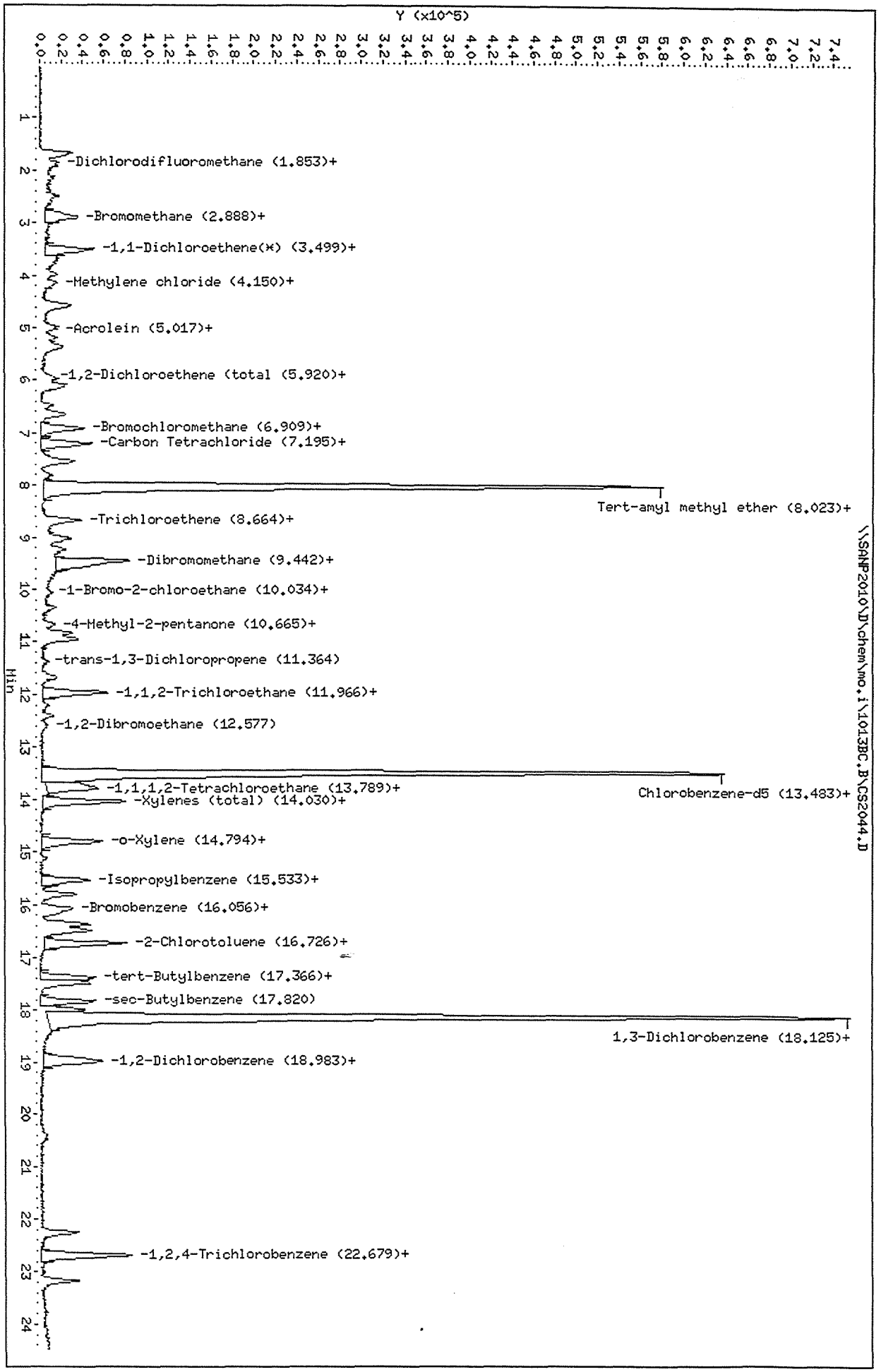
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 70 1,2,3-Trichloropropane | 110 | 16.174 | 16.180 | (0.892) | 4463 | 0.50000 | 0.502(a) |
| 71 n-Propylbenzene | 91 | 16.371 | 16.377 | (0.903) | 125476 | 0.50000 | 0.431(a) |
| 72 2-Chlorotoluene | 126 | 16.479 | 16.495 | (0.909) | 27695 | 0.50000 | 0.466(a) |
| 73 4-Chlorotoluene | 126 | 16.716 | 16.712 | (0.922) | 26235 | 0.50000 | 0.452(a) |
| 74 1,3,5-Trimethylbenzene | 105 | 16.736 | 16.752 | (0.923) | 94766 | 0.50000 | 0.456(a) |
| 75 tert-Butylbenzene | 119 | 17.376 | 17.392 | (0.959) | 100894 | 0.50000 | 0.441(a) |
| 76 1,2,4-Trimethylbenzene | 105 | 17.485 | 17.491 | (0.965) | 95182 | 0.50000 | 0.467(a) |
| 77 sec-Butylbenzene | 105 | 17.820 | 17.836 | (0.983) | 136013 | 0.50000 | 0.447(a) |
| 78 1,3-Dichlorobenzene | 146 | 17.997 | 17.994 | (0.993) | 64648 | 0.50000 | 0.517(a) |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.125 | 18.131 | (1.000) | 733740 | 10.0000 | |
| 80 p-Isopropyltoluene | 119 | 18.155 | 18.151 | (1.002) | 115761 | 0.50000 | 0.456(a) |
| 81 1,4-Dichlorobenzene | 146 | 18.155 | 19.679 | (1.002) | 69617 | 0.50000 | 1.48 |
| 82 1,2-Dichlorobenzene | 146 | 18.904 | 18.910 | (1.043) | 53836 | 0.50000 | 0.533(a) |
| 83 n-Butylbenzene | 91 | 18.983 | 18.989 | (1.047) | 108136 | 0.50000 | 0.430(a) |
| 85 1,2,4-Trichlorobenzene | 180 | 22.245 | 22.251 | (1.227) | 47820 | 0.50000 | 0.515(a) |
| 86 Hexachlorobutadiene | 225 | 22.659 | 22.675 | (1.250) | 61941 | 0.50000 | 0.490(a) |
| 87 Napthalene | 128 | 22.708 | 22.714 | (1.253) | 35001 | 0.50000 | 0.595(a) |
| 88 1,2,3-Trichlorobenzene | 180 | 23.152 | 23.158 | (1.277) | 45052 | 0.50000 | 0.638(a) |

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\SANP2010\D\chem\mo.i\1013BC.B\CS2044.D
Date : 13-OCT-2000 17:00
Client ID:
Sample Info: 0.5PPB 8260BSTD,,,6,0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mo.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2045.D
Lab Smp Id: 1PPB 8260BSTD
Inj Date : 13-OCT-2000 17:30
Operator : AD Inst ID: mc.i
Smp Info : 1PPB 8260BSTD,,,1,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.850 | 1.850 | (0.230) | 81353 | 1.00000 | 1.04 |
| 2 Chloromethane (**) | 50 | 2.116 | 2.116 | (0.264) | 30477 | 1.00000 | 1.54(M) |
| 3 Vinyl chloride (*) | 62 | 2.145 | 2.145 | (0.267) | 36422 | 1.00000 | 1.04 |
| 4 Bromomethane | 94 | 2.471 | 2.471 | (0.308) | 36557 | 1.00000 | 0.991(a) |
| 5 Chloroethane | 64 | 2.589 | 2.589 | (0.322) | 23233 | 1.00000 | 1.03 |
| 6 Trichlorofluoromethane | 101 | 2.894 | 2.894 | (0.360) | 132590 | 1.00000 | 1.02 |
| 7 Acrolein | 56 | 5.013 | 5.013 | (0.624) | 27630 | 10.0000 | 9.70(a) |
| 8 1,1-Dichloroethene(*) | 96 | 3.476 | 3.476 | (0.433) | 48815 | 1.00000 | 1.04(M) |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.515 | 3.515 | (0.438) | 81034 | 1.00000 | 1.04 |
| 10 Iodomethane | 142 | 3.683 | 3.683 | (0.459) | 134200 | 2.00000 | 1.60(a) |
| 11 Acetone | 43 | 3.545 | 3.545 | (0.441) | 25441 | 5.00000 | 7.41(a) |
| 12 Carbon disulfide | 76 | 3.762 | 3.762 | (0.469) | 81826 | 1.00000 | 0.693(a) |
| 13 Methylene chloride | 84 | 4.146 | 4.146 | (0.516) | 38290 | 1.00000 | 1.03 |
| 14 Acrylonitrile | 53 | 7.418 | 7.418 | (0.924) | 3593 | 10.0000 | 7.56(aM) |
| 15 t-Butanol | 59 | 4.590 | 4.590 | (0.572) | 3994 | 4.00000 | 5.51(aM) |

MM 10/13/2000

MM 10/13/2000

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | ON-COL ( ug/L) | |
|---|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.368 | 5.368 | (0.669) | 96457 | 2.00000 | 1.95(aM) | MM 10/13/2000 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.560 | 4.560 | (0.568) | 52917 | 1.00000 | 0.986(a) | |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.580 | 4.580 | (0.570) | 51137 | 1.00000 | 1.09 | |
| | 19 1,1-Dichloroethane (**) | 63 | 5.181 | 5.181 | (0.645) | 84191 | 1.00000 | 0.979(a) | |
| | 20 Isopropyl ether | 45 | 5.368 | 5.368 | (0.669) | 119379 | 1.00000 | 1.04 | |
| | 21 Tert-butyl ethyl ether | 59 | 5.960 | 5.960 | (0.742) | 92565 | 1.00000 | 1.01 | |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 96238 | 2.00000 | 1.85 | |
| | 23 2,2-Dichloropropane | 77 | 6.107 | 6.107 | (0.761) | 27530 | 1.00000 | 0.528(a) | |
| | 24 cis-1,2-Dichloroethene | 96 | 6.098 | 6.098 | (0.759) | 43321 | 1.00000 | 0.861(a) | |
| | 25 2-Butanone | 43 | 6.147 | 6.147 | (0.766) | 24721 | 5.00000 | 6.34(a) | |
| | 26 Bromochloromethane | 128 | 6.462 | 6.462 | (0.805) | 26623 | 1.00000 | 1.09 | |
| | 27 Tetrahydrofuran | 42 | 6.590 | 6.590 | (0.821) | 930 | 1.00000 | 0.477(aM) | MM 10/13/2000 |
| | 28 Chloroform (*) | 83 | 6.620 | 6.620 | (0.824) | 131530 | 1.00000 | 1.05 | |
| $ | 29 Dibromofluoromethane | 111 | 6.886 | 6.886 | (0.858) | 96900 | 1.00000 | 1.11 | |
| | 30 1,1,1-Trichloroethane | 97 | 6.916 | 6.916 | (0.861) | 116057 | 1.00000 | 0.956(a) | |
| | 31 Carbon Tetrachloride | 117 | 7.201 | 7.201 | (0.897) | 103257 | 1.00000 | 0.906(a) | |
| | 32 1,1-Dichloropropene | 75 | 7.192 | 7.192 | (0.896) | 95397 | 1.00000 | 1.02 | |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.438 | 7.438 | (0.926) | 46029 | 1.00000 | 1.12 | |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.438 | 7.438 | (0.926) | 7206 | 1.00000 | 0.999(a) | |
| | 35 Benzene | 78 | 7.537 | 7.537 | (0.939) | 132359 | 1.00000 | 1.02 | |
| | 36 1,2-Dichloroethane | 62 | 7.546 | 7.546 | (0.940) | 59334 | 1.00000 | 1.12 | |
| | 37 Tert-amyl methyl ether | 73 | 7.813 | 7.813 | (0.973) | 70364 | 1.00000 | 1.06 | |
| * | 38 Fluorobenzene | 96 | 8.029 | 8.029 | (1.000) | 1638508 | 10.0000 | | |
| | 39 Trichloroethene | 130 | 8.670 | 8.670 | (1.080) | 86538 | 1.00000 | 1.05 | |
| | 40 1,2-Dichloropropane(*) | 63 | 9.025 | 9.025 | (1.124) | 47147 | 1.00000 | 1.04 | |
| | 41 Dibromomethane | 93 | 9.212 | 9.212 | (1.147) | 32581 | 1.00000 | 1.06 | |
| | 42 Bromodichloromethane | 83 | 9.537 | 9.537 | (1.188) | 80641 | 1.00000 | 0.896(a) | |
| | 44 1-Bromo-2-chloroethane | 63 | 10.040 | 10.040 | (1.250) | 40735 | 1.00000 | 0.972(a) | |
| | 45 cis-1,3-Dichloropropene | 75 | 10.336 | 10.336 | (1.287) | 47298 | 1.00000 | 0.932(a) | |
| | 46 4-Methyl-2-pentanone | 43 | 10.661 | 10.661 | (1.328) | 54029 | 5.00000 | 4.87(a) | |
| $ | 47 Toluene-d8 | 98 | 10.818 | 10.818 | (0.802) | 142817 | 1.00000 | 1.06 | |
| | 48 Toluene (*) | 91 | 10.947 | 10.947 | (0.811) | 171028 | 1.00000 | 0.992(a) | |
| | 49 trans-1,3-Dichloropropene | 75 | 11.370 | 11.370 | (0.843) | 28216 | 1.00000 | 0.844(a) | |
| | 50 1,1,2-Trichloroethane | 97 | 11.686 | 11.686 | (0.866) | 30326 | 1.00000 | 1.05 | MM 10/13/2000 |
| | 51 Tetrachloroethene | 164 | 11.972 | 11.972 | (0.887) | 92452 | 1.00000 | 1.03(M) | |
| | 52 1,3-Dichloropropane | 76 | 11.991 | 11.991 | (0.889) | 48201 | 1.00000 | 1.04 | |
| | 53 2-Hexanone | 43 | 12.218 | 12.218 | (0.906) | 53301 | 5.00000 | 6.50(aM) | MM 10/13/2000 |
| | 54 Dibromochloromethane | 129 | 12.395 | 12.395 | (0.919) | 49642 | 1.00000 | 0.812(a) | |
| | 55 1,2-Dibromoethane | 107 | 12.583 | 12.583 | (0.933) | 37478 | 1.00000 | 0.957(a) | |
| * | 56 Chlorobenzene-d5 | 117 | 13.489 | 13.489 | (1.000) | 1235021 | 10.0000 | | |
| | 57 Chlorobenzene (**) | 112 | 13.539 | 13.539 | (1.004) | 134015 | 1.00000 | 1.01 | |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.716 | 13.716 | (1.017) | 61226 | 1.00000 | 0.921(a) | |
| | 59 Ethylbenzene (*) | 106 | 13.805 | 13.805 | (1.023) | 66294 | 1.00000 | 1.01 | |
| | 60 m,p-Xylenes | 106 | 14.031 | 14.031 | (1.040) | 161460 | 2.00000 | 2.00 | |
| M | 61 Xylenes (total) | 100 | | | | 236920 | 3.00000 | 3.02 | |
| | 62 o-Xylene | 106 | 14.771 | 14.771 | (1.095) | 75460 | 1.00000 | 1.02 | |
| | 63 Styrene | 104 | 14.810 | 14.810 | (1.098) | 105876 | 1.00000 | 0.976(a) | |

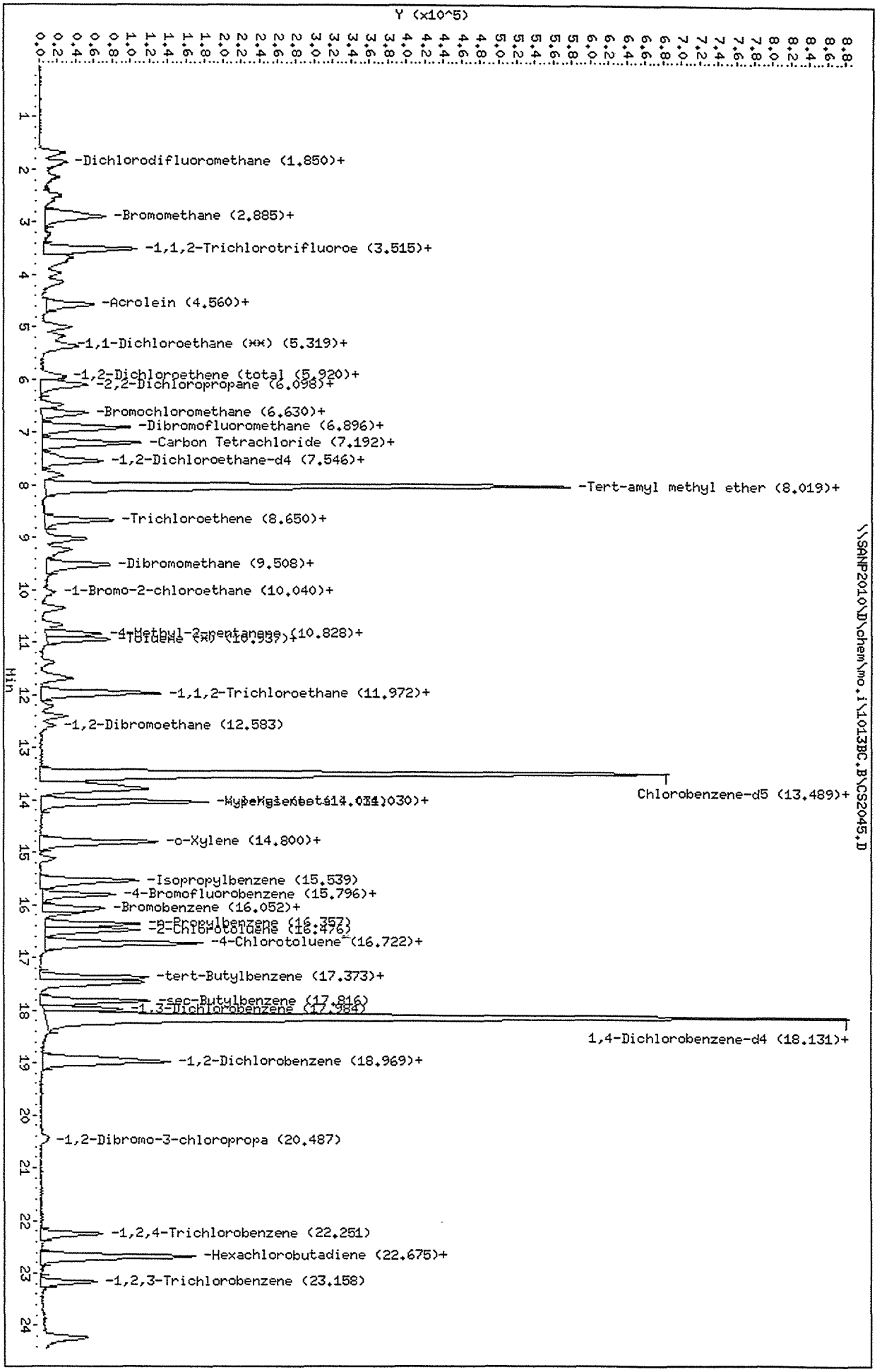
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 64 Bromoform (**) | 173 | 15.106 | 15.106 | (1.120) | 23824 | 1.00000 | 0.710(a) |
| 65 Isopropylbenzene | 105 | 15.530 | 15.530 | (1.151) | 254364 | 1.00000 | 0.982(a) |
| $ 66 4-Bromofluorobenzene | 95 | 15.806 | 15.806 | (1.172) | 96720 | 1.00000 | 1.08 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.796 | 15.796 | (1.171) | 83751 | 1.00000 | 1.11 |
| 68 Bromobenzene | 156 | 16.052 | 16.052 | (0.886) | 72137 | 1.00000 | 0.988(a) |
| 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.131 | 16.131 | (0.890) | 35664 | 1.00000 | 1.02 |
| 70 1,2,3-Trichloropropane | 110 | 16.180 | 16.180 | (0.893) | 8463 | 1.00000 | 0.916(a) |
| 71 n-Propylbenzene | 91 | 16.357 | 16.357 | (0.903) | 272901 | 1.00000 | 0.900(a) |
| 72 2-Chlorotoluene | 126 | 16.486 | 16.486 | (0.910) | 62326 | 1.00000 | 1.01 |
| 73 4-Chlorotoluene | 126 | 16.693 | 16.693 | (0.921) | 55989 | 1.00000 | 0.929(a) |
| 74 1,3,5-Trimethylbenzene | 105 | 16.732 | 16.732 | (0.923) | 213727 | 1.00000 | 0.990(a) |
| 75 tert-Butylbenzene | 119 | 17.363 | 17.363 | (0.958) | 227127 | 1.00000 | 0.954(a) |
| 76 1,2,4-Trimethylbenzene | 105 | 17.481 | 17.481 | (0.965) | 206294 | 1.00000 | 0.974(a) |
| 77 sec-Butylbenzene | 105 | 17.816 | 17.816 | (0.983) | 305328 | 1.00000 | 0.965(a) |
| 78 1,3-Dichlorobenzene | 146 | 17.974 | 17.974 | (0.992) | 128611 | 1.00000 | 0.988(a) |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.122 | 18.122 | (1.000) | 763117 | 10.0000 | |
| 80 p-Isopropyltoluene | 119 | 18.151 | 18.151 | (1.002) | 263317 | 1.00000 | 0.997(a) |
| 81 1,4-Dichlorobenzene | 146 | 18.181 | 18.181 | (1.003) | 142321 | 1.00000 | 2.91 |
| 82 1,2-Dichlorobenzene | 146 | 18.910 | 18.910 | (1.044) | 106441 | 1.00000 | 1.01 |
| 83 n-Butylbenzene | 91 | 18.969 | 18.969 | (1.047) | 249543 | 1.00000 | 0.954(a) |
| 84 1,2-Dibromo-3-chloropropane | 157 | 20.487 | 20.487 | (1.131) | 3288 | 1.00000 | 0.482(a) |
| 85 1,2,4-Trichlorobenzene | 180 | 22.251 | 22.251 | (1.228) | 89856 | 1.00000 | 0.930(a) |
| 86 Hexachlorobutadiene | 225 | 22.655 | 22.655 | (1.250) | 122685 | 1.00000 | 0.934(a) |
| 87 Napthalene | 128 | 22.744 | 22.744 | (1.255) | 53311 | 1.00000 | 0.872(a) |
| 88 1,2,3-Trichlorobenzene | 180 | 23.158 | 23.158 | (1.278) | 74544 | 1.00000 | 1.01 |

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\SANP2010\D\chem\mo.i\1013BC.B\CS2045.D
Date : 13-OCT-2000 17:30
Client ID:
Sample Info: 1PPB 8260BSTD,,1.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Lab Smp Id: 5PPB 8260BSTD
Inj Date : 13-OCT-2000 18:00
Operator : AD Inst ID: mc.i
Smp Info : 5PPB 8260BSTD,,,2,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:16 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 17:00 Cal File: CS2044.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) | |
|---|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.850 | 1.850 | (0.231) | 394688 | 5.00000 | 5.12 | |
| 2 Chloromethane (**) | 50 | 2.097 | 2.097 | (0.261) | 140493 | 5.00000 | 5.84(M) | DM 10/13/2000 |
| 3 Vinyl chloride (*) | 62 | 2.146 | 2.146 | (0.268) | 178241 | 5.00000 | 5.18 | |
| 4 Bromomethane | 94 | 2.471 | 2.471 | (0.308) | 166715 | 5.00000 | 4.59 | |
| 5 Chloroethane | 64 | 2.599 | 2.599 | (0.324) | 118221 | 5.00000 | 5.32 | |
| 6 Trichlorofluoromethane | 101 | 2.895 | 2.895 | (0.361) | 655956 | 5.00000 | 5.11 | |
| 7 Acrolein | 56 | 5.004 | 5.004 | (0.624) | 141040 | 50.0000 | 50.28 | |
| 8 1,1-Dichloroethene(*) | 96 | 3.496 | 3.496 | (0.436) | 226795 | 5.00000 | 4.91 | |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.506 | 3.506 | (0.437) | 396783 | 5.00000 | 5.16 | |
| 10 Iodomethane | 142 | 3.674 | 3.674 | (0.458) | 894569 | 10.0000 | 10.83 | |
| 11 Acetone | 43 | 3.545 | 3.545 | (0.442) | 93512 | 25.0000 | 27.66 | |
| 12 Carbon disulfide | 76 | 3.772 | 3.772 | (0.470) | 444371 | 5.00000 | 4.00(M) | DM 10/13/2000 |
| 13 Methylene chloride | 84 | 4.137 | 4.137 | (0.516) | 189640 | 5.00000 | 5.16 | |
| 14 Acrylonitrile | 53 | 7.428 | 7.428 | (0.926) | 27846 | 50.0000 | 59.48 | |
| 15 t-Butanol | 59 | 4.403 | 4.403 | (0.549) | 18303 | 20.0000 | 21.71(aM) | DM 10/13/2000 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.339 | 5.339 | (0.666) | 502778 | 10.0000 | 10.33 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.551 | 4.551 | (0.567) | 268891 | 5.00000 | 5.09 |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.580 | 4.580 | (0.571) | 246332 | 5.00000 | 5.33 |
| | 19 1,1-Dichloroethane (**) | 63 | 5.172 | 5.172 | (0.645) | 430193 | 5.00000 | 5.08 |
| | 20 Isopropyl ether | 45 | 5.378 | 5.378 | (0.671) | 577512 | 5.00000 | 5.12 |
| | 21 Tert-butyl ethyl ether | 59 | 5.950 | 5.950 | (0.742) | 467839 | 5.00000 | 5.17 |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 529326 | 10.0000 | 10.34 |
| | 23 2,2-Dichloropropane | 77 | 6.088 | 6.088 | (0.759) | 200908 | 5.00000 | 3.92 |
| | 24 cis-1,2-Dichloroethene | 96 | 6.098 | 6.098 | (0.760) | 260435 | 5.00000 | 5.25 |
| | 25 2-Butanone | 43 | 6.137 | 6.137 | (0.765) | 103033 | 25.0000 | 26.84 |
| | 26 Bromochloromethane | 128 | 6.473 | 6.473 | (0.807) | 131036 | 5.00000 | 5.46 |
| | 27 Tetrahydrofuran | 42 | 6.620 | 6.620 | (0.825) | 10701 | 5.00000 | 5.57 |
| | 28 Chloroform (*) | 83 | 6.630 | 6.630 | (0.827) | 641328 | 5.00000 | 5.21 |
| $ | 29 Dibromofluoromethane | 111 | 6.896 | 6.896 | (0.860) | 457848 | 5.00000 | 5.31 |
| | 30 1,1,1-Trichloroethane | 97 | 6.916 | 6.916 | (0.862) | 602459 | 5.00000 | 5.04 |
| | 31 Carbon Tetrachloride | 117 | 7.202 | 7.202 | (0.898) | 576910 | 5.00000 | 5.14 |
| | 32 1,1-Dichloropropene | 75 | 7.192 | 7.192 | (0.897) | 470185 | 5.00000 | 5.09 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.428 | 7.428 | (0.926) | 213562 | 5.00000 | 5.30 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.448 | 7.448 | (0.929) | 39182 | 5.00000 | 5.51 |
| | 35 Benzene | 78 | 7.527 | 7.527 | (0.939) | 663158 | 5.00000 | 5.17 |
| | 36 1,2-Dichloroethane | 62 | 7.557 | 7.557 | (0.942) | 284397 | 5.00000 | 5.47 |
| | 37 Tert-amyl methyl ether | 73 | 7.813 | 7.813 | (0.974) | 343916 | 5.00000 | 5.28 |
| * | 38 Fluorobenzene | 96 | 8.020 | 8.020 | (1.000) | 1613881 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.670 | 8.670 | (1.081) | 416320 | 5.00000 | 5.12 |
| | 40 1,2-Dichloropropane(*) | 63 | 9.025 | 9.025 | (1.125) | 229411 | 5.00000 | 5.16 |
| | 41 Dibromomethane | 93 | 9.222 | 9.222 | (1.150) | 168366 | 5.00000 | 5.54 |
| | 42 Bromodichloromethane | 83 | 9.538 | 9.538 | (1.189) | 461264 | 5.00000 | 5.20 |
| | 43 2-Chloroethylvinyl ether | 106 | 10.040 | 10.040 | (1.252) | 6823 | 10.0000 | 9.66(aM) |
| | 44 1-Bromo-2-chloroethane | 63 | 10.040 | 10.040 | (1.252) | 211127 | 5.00000 | 5.12 |
| | 45 cis-1,3-Dichloropropene | 75 | 10.336 | 10.336 | (1.289) | 257290 | 5.00000 | 5.15 |
| | 46 4-Methyl-2-pentanone | 43 | 10.651 | 10.651 | (1.328) | 291400 | 25.0000 | 26.67 |
| $ | 47 Toluene-d8 | 98 | 10.819 | 10.819 | (0.803) | 666301 | 5.00000 | 5.04 |
| | 48 Toluene (*) | 91 | 10.937 | 10.937 | (0.811) | 864497 | 5.00000 | 5.09 |
| | 49 trans-1,3-Dichloropropene | 75 | 11.371 | 11.371 | (0.844) | 165813 | 5.00000 | 5.04 |
| | 50 1,1,2-Trichloroethane | 97 | 11.676 | 11.676 | (0.866) | 148706 | 5.00000 | 5.23 |
| | 51 Tetrachloroethene | 164 | 11.952 | 11.952 | (0.887) | 457906 | 5.00000 | 5.16 |
| | 52 1,3-Dichloropropane | 76 | 11.972 | 11.972 | (0.888) | 237770 | 5.00000 | 5.19 |
| | 53 2-Hexanone | 43 | 12.209 | 12.209 | (0.906) | 186263 | 25.0000 | 23.08 |
| | 54 Dibromochloromethane | 129 | 12.396 | 12.396 | (0.920) | 297788 | 5.00000 | 4.95 |
| | 55 1,2-Dibromoethane | 107 | 12.573 | 12.573 | (0.933) | 200271 | 5.00000 | 5.19 |
| * | 56 Chlorobenzene-d5 | 117 | 13.480 | 13.480 | (1.000) | 1216119 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.539 | 13.539 | (1.004) | 673535 | 5.00000 | 5.16 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.707 | 13.707 | (1.017) | 338007 | 5.00000 | 5.16 |
| | 59 Ethylbenzene (*) | 106 | 13.795 | 13.795 | (1.023) | 322618 | 5.00000 | 5.01 |
| | 60 m,p-Xylenes | 106 | 14.022 | 14.022 | (1.040) | 812685 | 10.0000 | 10.25 |
| M | 61 Xylenes (total) | 100 | | | | 1191634 | 15.0000 | 15.44 |
| | 62 o-Xylene | 106 | 14.771 | 14.771 | (1.096) | 378949 | 5.00000 | 5.19 |

m 10/13/2000

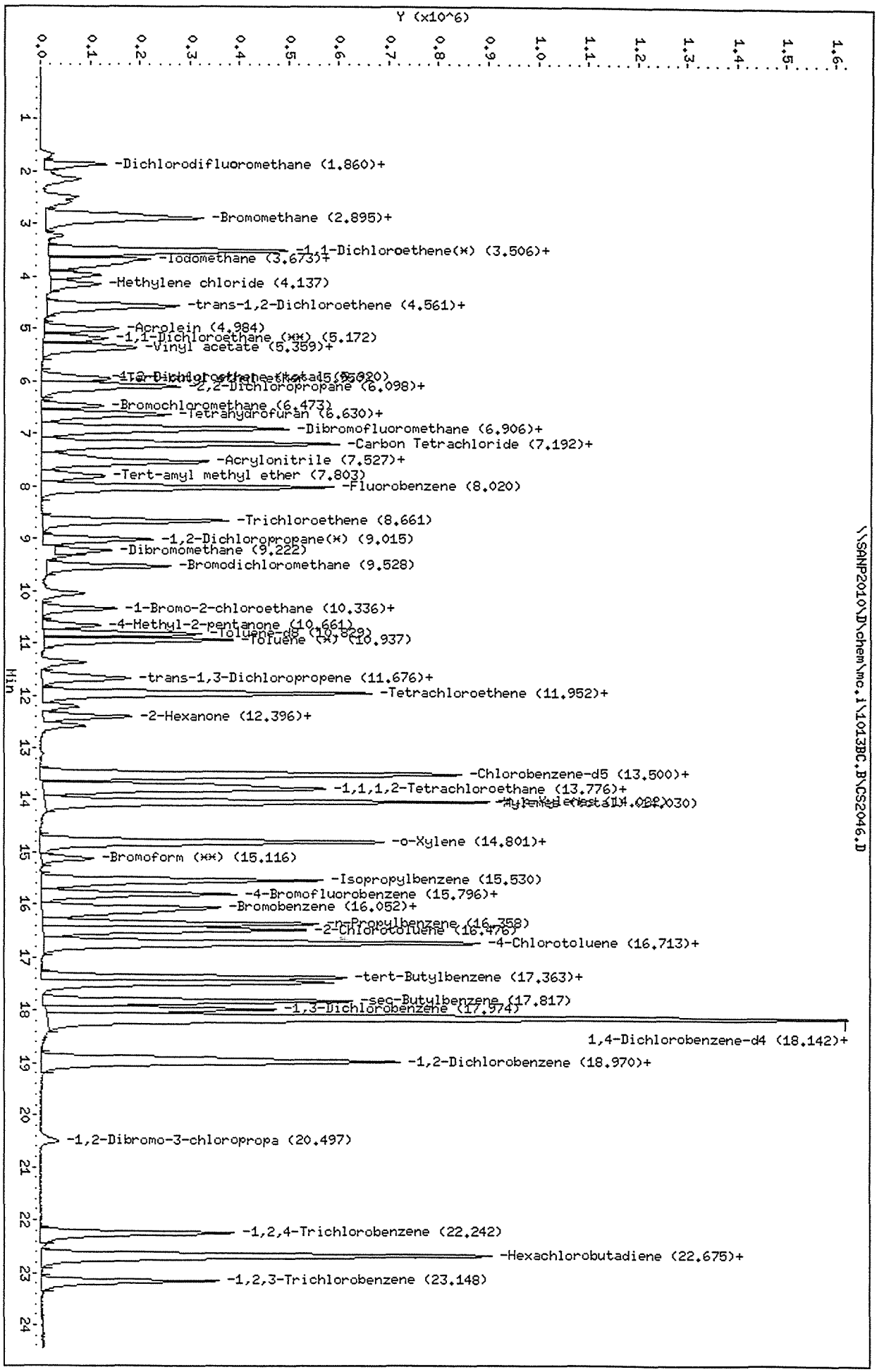
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 63 Styrene | 104 | 14.810 | 14.810 | (1.099) | 556784 | 5.00000 | 5.21 |
| 64 Bromoform (**) | 173 | 15.126 | 15.126 | (1.122) | 161086 | 5.00000 | 4.88 |
| 65 Isopropylbenzene | 105 | 15.530 | 15.530 | (1.152) | 1306879 | 5.00000 | 5.12 |
| $ 66 4-Bromofluorobenzene | 95 | 15.806 | 15.806 | (1.173) | 478050 | 5.00000 | 5.44 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.806 | 15.806 | (1.173) | 403572 | 5.00000 | 5.42 |
| 68 Bromobenzene | 156 | 16.052 | 16.052 | (0.886) | 356918 | 5.00000 | 4.81 |
| 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.131 | 16.131 | (0.890) | 173596 | 5.00000 | 4.88 |
| 70 1,2,3-Trichloropropane | 110 | 16.180 | 16.180 | (0.893) | 46991 | 5.00000 | 5.01 |
| 71 n-Propylbenzene | 91 | 16.358 | 16.358 | (0.903) | 1520664 | 5.00000 | 4.94 |
| 72 2-Chlorotoluene | 126 | 16.486 | 16.486 | (0.910) | 309489 | 5.00000 | 4.93 |
| 73 4-Chlorotoluene | 126 | 16.693 | 16.693 | (0.921) | 309113 | 5.00000 | 5.05 |
| 74 1,3,5-Trimethylbenzene | 105 | 16.732 | 16.732 | (0.923) | 1076053 | 5.00000 | 4.91 |
| 75 tert-Butylbenzene | 119 | 17.373 | 17.373 | (0.959) | 1169562 | 5.00000 | 4.84 |
| 76 1,2,4-Trimethylbenzene | 105 | 17.481 | 17.481 | (0.965) | 1059007 | 5.00000 | 4.92 |
| 77 sec-Butylbenzene | 105 | 17.817 | 17.817 | (0.983) | 1557795 | 5.00000 | 4.85 |
| 78 1,3-Dichlorobenzene | 146 | 17.984 | 17.984 | (0.992) | 663958 | 5.00000 | 5.02 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.122 | 18.122 | (1.000) | 775010 | 10.0000 | |
| 80 p-Isopropyltoluene | 119 | 18.142 | 18.142 | (1.001) | 1332053 | 5.00000 | 4.96 |
| 81 1,4-Dichlorobenzene | 146 | 18.161 | 18.161 | (1.002) | 661860 | 5.00000 | 8.71(H) |
| 82 1,2-Dichlorobenzene | 146 | 18.901 | 18.901 | (1.043) | 544081 | 5.00000 | 5.10 |
| 83 n-Butylbenzene | 91 | 18.979 | 18.979 | (1.047) | 1289690 | 5.00000 | 4.86 |
| 84 1,2-Dibromo-3-chloropropane | 157 | 20.497 | 20.497 | (1.131) | 32931 | 5.00000 | 4.75 |
| 85 1,2,4-Trichlorobenzene | 180 | 22.252 | 22.252 | (1.228) | 472432 | 5.00000 | 4.82 |
| 86 Hexachlorobutadiene | 225 | 22.666 | 22.666 | (1.251) | 657659 | 5.00000 | 4.93 |
| 87 Napthalene | 128 | 22.715 | 22.715 | (1.253) | 300016 | 5.00000 | 4.83 |
| 88 1,2,3-Trichlorobenzene | 180 | 23.148 | 23.148 | (1.277) | 377000 | 5.00000 | 5.05 |

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2046.D
Date : 13-OCT-2000 18:00
Client ID:
Sample Info: 5PPB 8260BSTD,,2.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 13-OCT-2000 18:30
Operator : AD Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 21:13 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.850 | 1.850 | (0.231) | 766726 | 10.0000 | 9.95 |
| 2 Chloromethane (**) | 50 | 2.116 | 2.116 | (0.264) | 295476 | 10.0000 | 10.29(M) |
| 3 Vinyl chloride (*) | 62 | 2.136 | 2.136 | (0.266) | 342778 | 10.0000 | 9.99 |
| 4 Bromomethane | 94 | 2.471 | 2.471 | (0.308) | 343496 | 10.0000 | 9.47 |
| 5 Chloroethane | 64 | 2.579 | 2.579 | (0.322) | 237618 | 10.0000 | 10.71 |
| 6 Trichlorofluoromethane | 101 | 2.894 | 2.894 | (0.361) | 1284347 | 10.0000 | 10.03 |
| 7 Acrolein | 56 | 4.984 | 4.984 | (0.621) | 275540 | 100.000 | 98.43 |
| 8 1,1-Dichloroethene(*) | 96 | 3.496 | 3.496 | (0.436) | 462688 | 10.0000 | 10.03 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.515 | 3.515 | (0.438) | 771241 | 10.0000 | 10.04 |
| 10 Iodomethane | 142 | 3.673 | 3.673 | (0.458) | 1925574 | 20.0000 | 23.35 |
| 11 Acetone | 43 | 3.545 | 3.545 | (0.442) | 172923 | 50.0000 | 51.24 |
| 12 Carbon disulfide | 76 | 3.772 | 3.772 | (0.470) | 926442 | 10.0000 | 10.14(M) |
| 13 Methylene chloride | 84 | 4.146 | 4.146 | (0.517) | 381395 | 10.0000 | 10.39 |
| 14 Acrylonitrile | 53 | 7.428 | 7.428 | (0.926) | 50412 | 100.000 | 108.0 |
| 15 t-Butanol | 59 | 4.412 | 4.412 | (0.550) | 33886 | 40.0000 | 40.24 |

M 10/13/00

M 10/17/00

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.329 | 5.329 | (0.664) | 971437 | 20.0000 | 20.04 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.550 | 4.550 | (0.567) | 527912 | 10.0000 | 10.01 |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.590 | 4.590 | (0.572) | 486532 | 10.0000 | 10.54 |
| | 19 1,1-Dichloroethane (**) | 63 | 5.171 | 5.171 | (0.645) | 841407 | 10.0000 | 9.94 |
| | 20 Isopropyl ether | 45 | 5.359 | 5.359 | (0.668) | 1135112 | 10.0000 | 10.07 |
| | 21 Tert-butyl ethyl ether | 59 | 5.950 | 5.950 | (0.742) | 933926 | 10.0000 | 10.33 |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 1056480 | 20.0000 | 20.68 |
| | 23 2,2-Dichloropropane | 77 | 6.078 | 6.078 | (0.758) | 458085 | 10.0000 | 8.94 |
| | 24 cis-1,2-Dichloroethene | 96 | 6.098 | 6.098 | (0.760) | 528568 | 10.0000 | 10.68 |
| | 25 2-Butanone | 43 | 6.137 | 6.137 | (0.765) | 184107 | 50.0000 | 48.30 |
| | 26 Bromochloromethane | 128 | 6.472 | 6.472 | (0.807) | 252415 | 10.0000 | 10.54 |
| | 27 Tetrahydrofuran | 42 | 6.581 | 6.581 | (0.821) | 24329 | 10.0000 | 12.71(M) |
| | 28 Chloroform (*) | 83 | 6.640 | 6.640 | (0.828) | 1245829 | 10.0000 | 10.14 |
| $ | 29 Dibromofluoromethane | 111 | 6.886 | 6.886 | (0.859) | 885030 | 10.0000 | 10.29 |
| | 30 1,1,1-Trichloroethane | 97 | 6.906 | 6.906 | (0.861) | 1222273 | 10.0000 | 10.23 |
| | 31 Carbon Tetrachloride | 117 | 7.192 | 7.192 | (0.897) | 1194203 | 10.0000 | 10.66 |
| | 32 1,1-Dichloropropene | 75 | 7.192 | 7.192 | (0.897) | 923713 | 10.0000 | 10.04 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.428 | 7.428 | (0.926) | 425383 | 10.0000 | 10.57 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.428 | 7.428 | (0.926) | 75053 | 10.0000 | 10.58 |
| | 35 Benzene | 78 | 7.527 | 7.527 | (0.939) | 1320083 | 10.0000 | 10.31 |
| | 36 1,2-Dichloroethane | 62 | 7.556 | 7.556 | (0.942) | 543162 | 10.0000 | 10.50 |
| | 37 Tert-amyl methyl ether | 73 | 7.803 | 7.803 | (0.973) | 660242 | 10.0000 | 10.16 |
| * | 38 Fluorobenzene | 96 | 8.020 | 8.020 | (1.000) | 1611523 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.650 | 8.650 | (1.079) | 810225 | 10.0000 | 9.99 |
| | 40 1,2-Dichloropropane(*) | 63 | 9.005 | 9.005 | (1.123) | 461025 | 10.0000 | 10.39 |
| | 41 Dibromomethane | 93 | 9.212 | 9.212 | (1.149) | 333972 | 10.0000 | 11.01 |
| | 42 Bromodichloromethane | 83 | 9.527 | 9.527 | (1.188) | 944578 | 10.0000 | 10.67 |
| | 43 2-Chloroethylvinyl ether | 106 | 10.060 | 10.060 | (1.254) | 16216 | 20.0000 | 20.74 |
| | 44 1-Bromo-2-chloroethane | 63 | 10.040 | 10.040 | (1.252) | 438429 | 10.0000 | 10.64 |
| | 45 cis-1,3-Dichloropropene | 75 | 10.336 | 10.336 | (1.289) | 543196 | 10.0000 | 10.87 |
| | 46 4-Methyl-2-pentanone | 43 | 10.651 | 10.651 | (1.328) | 595223 | 50.0000 | 54.56 |
| $ | 47 Toluene-d8 | 98 | 10.828 | 10.828 | (0.803) | 1316204 | 10.0000 | 10.07 |
| | 48 Toluene (*) | 91 | 10.937 | 10.937 | (0.811) | 1706294 | 10.0000 | 10.17 |
| | 49 trans-1,3-Dichloropropene | 75 | 11.370 | 11.370 | (0.843) | 347561 | 10.0000 | 10.50 |
| | 50 1,1,2-Trichloroethane | 97 | 11.686 | 11.686 | (0.866) | 298176 | 10.0000 | 10.59 |
| | 51 Tetrachloroethene | 164 | 11.952 | 11.952 | (0.886) | 884007 | 10.0000 | 10.08 |
| | 52 1,3-Dichloropropane | 76 | 11.982 | 11.982 | (0.888) | 480104 | 10.0000 | 10.61 |
| | 53 2-Hexanone | 43 | 12.208 | 12.208 | (0.905) | 392565 | 50.0000 | 49.19 |
| | 54 Dibromochloromethane | 129 | 12.395 | 12.395 | (0.919) | 640911 | 10.0000 | 10.77 |
| | 55 1,2-Dibromoethane | 107 | 12.573 | 12.573 | (0.932) | 408493 | 10.0000 | 10.71 |
| * | 56 Chlorobenzene-d5 | 117 | 13.489 | 13.489 | (1.000) | 1203388 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.539 | 13.539 | (1.004) | 1308886 | 10.0000 | 10.15 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.706 | 13.706 | (1.016) | 685312 | 10.0000 | 10.59 |
| | 59 Ethylbenzene (*) | 106 | 13.785 | 13.785 | (1.022) | 642183 | 10.0000 | 10.08 |
| | 60 m,p-Xylenes | 106 | 14.032 | 14.032 | (1.040) | 1609690 | 20.0000 | 20.52 |
| M | 61 Xylenes (total) | 100 | | | | 2339398 | 30.0000 | 30.62 |
| | 62 o-Xylene | 106 | 14.781 | 14.781 | (1.096) | 729708 | 10.0000 | 10.09 |

m 10/13/2000

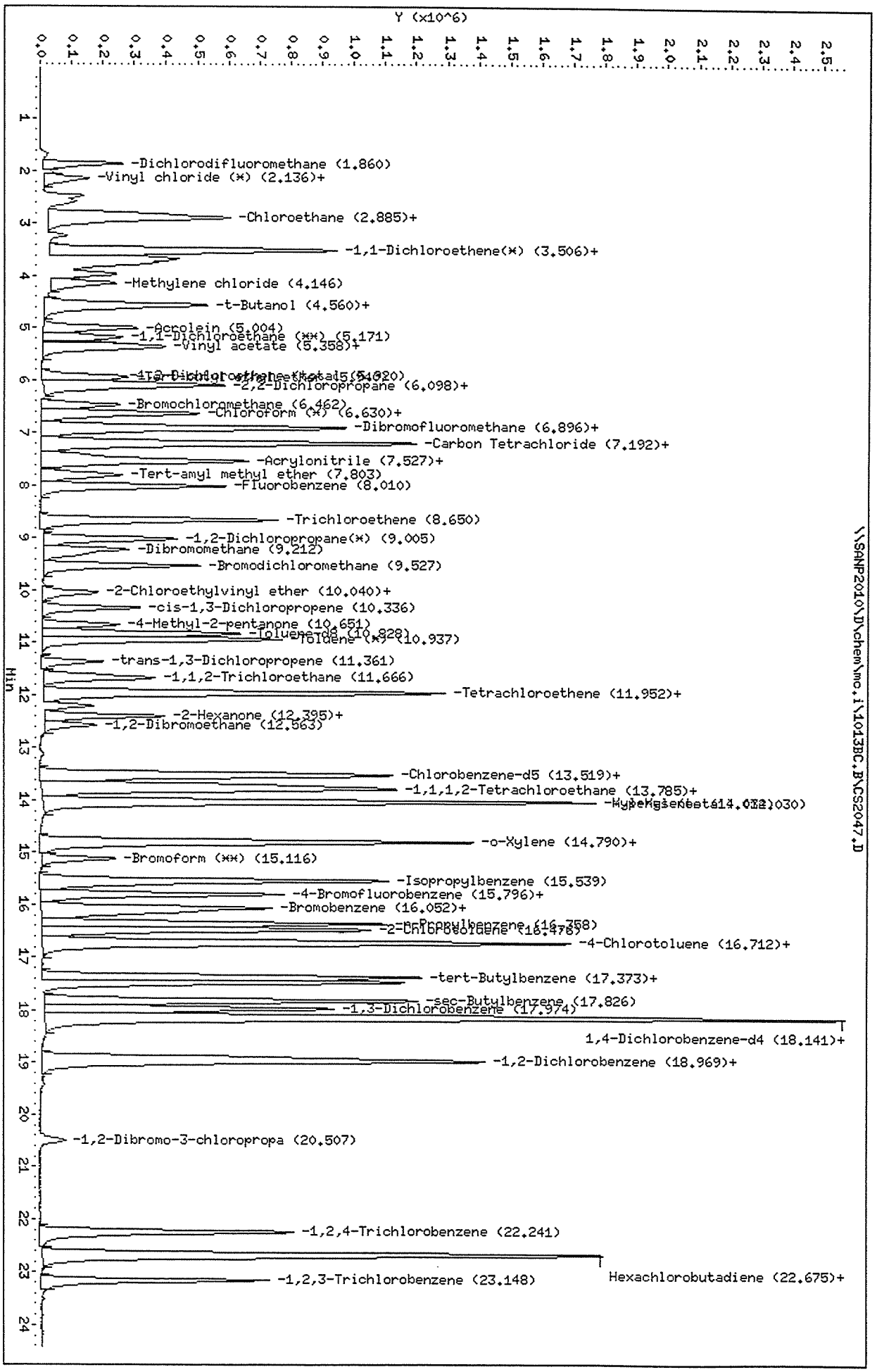
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 63 Styrene | 104 | 14.810 | 14.810 | (1.098) | 1107053 | 10.0000 | 10.47 |
| 64 Bromoform (**) | 173 | 15.116 | 15.116 | (1.121) | 351979 | 10.0000 | 10.78 |
| 65 Isopropylbenzene | 105 | 15.530 | 15.530 | (1.151) | 2571995 | 10.0000 | 10.19 |
| $ 66 4-Bromofluorobenzene | 95 | 15.796 | 15.796 | (1.171) | 928863 | 10.0000 | 10.68 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.796 | 15.796 | (1.171) | 789568 | 10.0000 | 10.72 |
| 68 Bromobenzene | 156 | 16.062 | 16.062 | (0.887) | 721285 | 10.0000 | 9.96 |
| 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.131 | 16.131 | (0.891) | 353535 | 10.0000 | 10.18 |
| 70 1,2,3-Trichloropropane | 110 | 16.170 | 16.170 | (0.893) | 96980 | 10.0000 | 10.56 |
| 71 n-Propylbenzene | 91 | 16.358 | 16.358 | (0.903) | 3005638 | 10.0000 | 9.79 |
| 72 2-Chlorotoluene | 126 | 16.476 | 16.476 | (0.910) | 598810 | 10.0000 | 9.74 |
| 73 4-Chlorotoluene | 126 | 16.702 | 16.702 | (0.922) | 602833 | 10.0000 | 10.08 |
| 74 1,3,5-Trimethylbenzene | 105 | 16.732 | 16.732 | (0.924) | 2075612 | 10.0000 | 9.68 |
| 75 tert-Butylbenzene | 119 | 17.373 | 17.373 | (0.959) | 2308531 | 10.0000 | 9.78 |
| 76 1,2,4-Trimethylbenzene | 105 | 17.471 | 17.471 | (0.965) | 2073927 | 10.0000 | 9.87 |
| 77 sec-Butylbenzene | 105 | 17.826 | 17.826 | (0.984) | 3034666 | 10.0000 | 9.64 |
| 78 1,3-Dichlorobenzene | 146 | 17.974 | 17.974 | (0.992) | 1267723 | 10.0000 | 9.83 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.112 | 18.112 | (1.000) | 755803 | 10.0000 | |
| 80 p-Isopropyltoluene | 119 | 18.141 | 18.141 | (1.002) | 2559174 | 10.0000 | 9.77 |
| 81 1,4-Dichlorobenzene | 146 | 18.161 | 18.161 | (1.003) | 1311790 | 10.0000 | 10.08(H) |
| 82 1,2-Dichlorobenzene | 146 | 18.900 | 18.900 | (1.044) | 1025767 | 10.0000 | 9.84 |
| 83 n-Butylbenzene | 91 | 18.979 | 18.979 | (1.048) | 2542647 | 10.0000 | 9.81 |
| 84 1,2-Dibromo-3-chloropropane | 157 | 20.507 | 20.507 | (1.132) | 73565 | 10.0000 | 10.87 |
| 85 1,2,4-Trichlorobenzene | 180 | 22.241 | 22.241 | (1.228) | 968012 | 10.0000 | 10.10 |
| 86 Hexachlorobutadiene | 225 | 22.675 | 22.675 | (1.252) | 1297582 | 10.0000 | 9.96 |
| 87 Napthalene | 128 | 22.705 | 22.705 | (1.254) | 660303 | 10.0000 | 10.89 |
| 88 1,2,3-Trichlorobenzene | 180 | 23.148 | 23.148 | (1.278) | 731019 | 10.0000 | 10.04 |

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2047.D
Date : 13-OCT-2000 18:30
Client ID:
Sample Info: 10PPB 8260BSTD,,3.0,,8260BCL.H
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2048.D
Lab Smp Id: 50PPB 8260BSTD
Inj Date : 13-OCT-2000 19:00
Operator : AD Inst ID: mc.i
Smp Info : 50PPB 8260BSTD,,,4,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:55 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.850 | 1.850 | (0.231) | 3600522 | 50.0000 | 47.68 |
| 2 Chloromethane (**) | 50 | 2.116 | 2.116 | (0.264) | 1269634 | 50.0000 | 45.14 |
| 3 Vinyl chloride (*) | 62 | 2.146 | 2.146 | (0.268) | 1665780 | 50.0000 | 49.54 |
| 4 Bromomethane | 94 | 2.462 | 2.462 | (0.307) | 1903146 | 50.0000 | 53.53 |
| 5 Chloroethane | 64 | 2.570 | 2.570 | (0.320) | 1017324 | 50.0000 | 46.80 |
| 6 Trichlorofluoromethane | 101 | 2.885 | 2.885 | (0.360) | 6065900 | 50.0000 | 48.32 |
| 7 Acrolein | 56 | 4.994 | 4.994 | (0.623) | 1326957 | 500.000 | 483.6 |
| 8 1,1-Dichloroethene(*) | 96 | 3.496 | 3.496 | (0.436) | 2160317 | 50.0000 | 47.79 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.516 | 3.516 | (0.438) | 3560013 | 50.0000 | 47.27 |
| 10 Iodomethane | 142 | 3.674 | 3.674 | (0.458) | 8807012 | 100.000 | 109.0 |
| 11 Acetone | 43 | 3.565 | 3.565 | (0.445) | 642993 | 250.000 | 194.4 |
| 12 Carbon disulfide | 76 | 3.772 | 3.772 | (0.470) | 4911350 | 50.0000 | 47.46(M) |
| 13 Methylene chloride | 84 | 4.137 | 4.137 | (0.516) | 1774481 | 50.0000 | 49.33 |
| 14 Acrylonitrile | 53 | 7.429 | 7.429 | (0.926) | 245480 | 500.000 | 536.6 |
| 15 t-Butanol | 59 | 4.413 | 4.413 | (0.550) | 166918 | 200.000 | 202.3 |

M 10/13/2000

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.320 | 5.320 | (0.663) | 4899751 | 100.000 | 103.1 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.551 | 4.551 | (0.567) | 2509160 | 50.0000 | 48.52 |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.590 | 4.590 | (0.572) | 2272880 | 50.0000 | 50.24 |
| | 19 1,1-Dichloroethane (**) | 63 | 5.182 | 5.182 | (0.646) | 4110692 | 50.0000 | 49.57 |
| | 20 Isopropyl ether | 45 | 5.369 | 5.369 | (0.669) | 5433286 | 50.0000 | 49.18 |
| | 21 Tert-butyl ethyl ether | 59 | 5.950 | 5.950 | (0.742) | 4457724 | 50.0000 | 50.30 |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 4998219 | 100.000 | 99.83 |
| | 23 2,2-Dichloropropane | 77 | 6.088 | 6.088 | (0.759) | 3416162 | 50.0000 | 68.04 |
| | 24 cis-1,2-Dichloroethene | 96 | 6.098 | 6.098 | (0.760) | 2489059 | 50.0000 | 51.30 |
| | 25 2-Butanone | 43 | 6.167 | 6.167 | (0.769) | 867862 | 250.000 | 232.3 |
| | 26 Bromochloromethane | 128 | 6.473 | 6.473 | (0.807) | 1164752 | 50.0000 | 49.64 |
| | 27 Tetrahydrofuran | 42 | 6.591 | 6.591 | (0.822) | 112262 | 50.0000 | 62.15 |
| | 28 Chloroform (*) | 83 | 6.640 | 6.640 | (0.828) | 5912870 | 50.0000 | 49.10 |
| $ | 29 Dibromofluoromethane | 111 | 6.897 | 6.897 | (0.860) | 4083879 | 50.0000 | 48.43 |
| | 30 1,1,1-Trichloroethane | 97 | 6.906 | 6.906 | (0.861) | 5924126 | 50.0000 | 50.61 |
| | 31 Carbon Tetrachloride | 117 | 7.202 | 7.202 | (0.898) | 5826217 | 50.0000 | 53.05 |
| | 32 1,1-Dichloropropene | 75 | 7.192 | 7.192 | (0.897) | 4380292 | 50.0000 | 48.60 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.429 | 7.429 | (0.926) | 1923630 | 50.0000 | 48.77 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.429 | 7.429 | (0.926) | 358194 | 50.0000 | 51.51 |
| | 35 Benzene | 78 | 7.527 | 7.527 | (0.939) | 6145209 | 50.0000 | 48.97 |
| | 36 1,2-Dichloroethane | 62 | 7.557 | 7.557 | (0.942) | 2487637 | 50.0000 | 49.08 |
| | 37 Tert-amyl methyl ether | 73 | 7.803 | 7.803 | (0.973) | 3250303 | 50.0000 | 51.03 |
| * | 38 Fluorobenzene | 96 | 8.020 | 8.020 | (1.000) | 1579493 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.661 | 8.661 | (1.080) | 3854015 | 50.0000 | 48.48 |
| | 40 1,2-Dichloropropane(*) | 63 | 9.016 | 9.016 | (1.124) | 2168717 | 50.0000 | 49.86 |
| | 41 Dibromomethane | 93 | 9.223 | 9.223 | (1.150) | 1496317 | 50.0000 | 50.35 |
| | 42 Bromodichloromethane | 83 | 9.528 | 9.528 | (1.188) | 4718815 | 50.0000 | 54.38 |
| | 43 2-Chloroethylvinyl ether | 106 | 10.110 | 10.110 | (1.261) | 103154 | 100.000 | 149.2 |
| | 44 1-Bromo-2-chloroethane | 63 | 10.050 | 10.050 | (1.253) | 2223086 | 50.0000 | 55.05 |
| | 45 cis-1,3-Dichloropropene | 75 | 10.346 | 10.346 | (1.290) | 2859101 | 50.0000 | 58.37 |
| | 46 4-Methyl-2-pentanone | 43 | 10.661 | 10.661 | (1.329) | 2766834 | 250.000 | 258.8 |
| $ | 47 Toluene-d8 | 98 | 10.819 | 10.819 | (0.803) | 5873983 | 50.0000 | 48.11 |
| | 48 Toluene (*) | 91 | 10.947 | 10.947 | (0.812) | 7640132 | 50.0000 | 48.73 |
| | 49 trans-1,3-Dichloropropene | 75 | 11.371 | 11.371 | (0.844) | 1877677 | 50.0000 | 61.63 |
| | 50 1,1,2-Trichloroethane | 97 | 11.686 | 11.686 | (0.867) | 1308385 | 50.0000 | 49.75 |
| | 51 Tetrachloroethene | 164 | 11.953 | 11.953 | (0.887) | 3874261 | 50.0000 | 47.30 |
| | 52 1,3-Dichloropropane | 76 | 11.982 | 11.982 | (0.889) | 2113240 | 50.0000 | 50.00 |
| | 53 2-Hexanone | 43 | 12.209 | 12.209 | (0.906) | 1830508 | 250.000 | 245.5 |
| | 54 Dibromochloromethane | 129 | 12.396 | 12.396 | (0.920) | 3139257 | 50.0000 | 56.45 |
| | 55 1,2-Dibromoethane | 107 | 12.573 | 12.573 | (0.933) | 1858524 | 50.0000 | 52.17 |
| * | 56 Chlorobenzene-d5 | 117 | 13.480 | 13.480 | (1.000) | 1124179 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.539 | 13.539 | (1.004) | 5934133 | 50.0000 | 49.24 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.717 | 13.717 | (1.018) | 3112952 | 50.0000 | 51.48 |
| | 59 Ethylbenzene (*) | 106 | 13.796 | 13.796 | (1.023) | 2863981 | 50.0000 | 48.13 |
| | 60 m,p-Xylenes | 106 | 14.032 | 14.032 | (1.041) | 7097503 | 100.000 | 96.88 |
| M | 61 Xylenes (total) | 100 | | | | 10382497 | 150.000 | 145.5 |
| | 62 o-Xylene | 106 | 14.781 | 14.781 | (1.097) | 3284994 | 50.0000 | 48.62 |

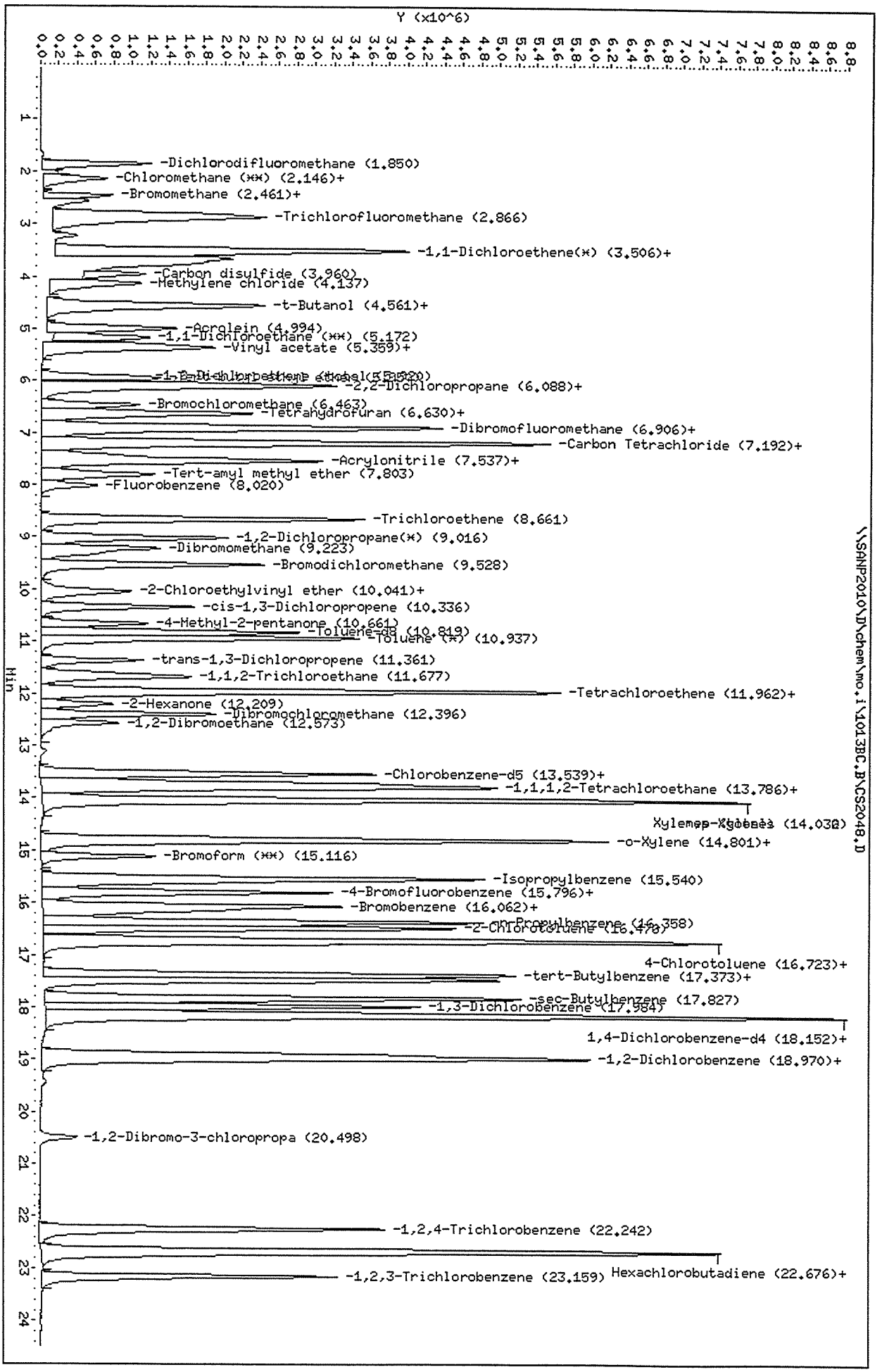
| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 63 Styrene | 104 | 14.811 | 14.811 | (1.099) | 4935853 | 50.0000 | 49.99 |
| 64 Bromoform (**) | 173 | 15.116 | 15.116 | (1.121) | 1820488 | 50.0000 | 59.68 |
| 65 Isopropylbenzene | 105 | 15.540 | 15.540 | (1.153) | 11253496 | 50.0000 | 47.74 |
| $ 66 4-Bromofluorobenzene | 95 | 15.796 | 15.796 | (1.172) | 3730972 | 50.0000 | 45.92 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.796 | 15.796 | (1.172) | 3102813 | 50.0000 | 45.10 |
| 68 Bromobenzene | 156 | 16.062 | 16.062 | (0.886) | 3178839 | 50.0000 | 50.98 |
| 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.131 | 16.131 | (0.890) | 1553216 | 50.0000 | 51.93 |
| 70 1,2,3-Trichloropropane | 110 | 16.171 | 16.171 | (0.892) | 421724 | 50.0000 | 53.35 |
| 71 n-Propylbenzene | 91 | 16.368 | 16.368 | (0.903) | 13483053 | 50.0000 | 50.99 |
| 72 2-Chlorotoluene | 126 | 16.486 | 16.486 | (0.910) | 2594423 | 50.0000 | 49.04 |
| 73 4-Chlorotoluene | 126 | 16.703 | 16.703 | (0.922) | 2585195 | 50.0000 | 50.22 |
| 74 1,3,5-Trimethylbenzene | 105 | 16.742 | 16.742 | (0.924) | 9039568 | 50.0000 | 48.96 |
| 75 tert-Butylbenzene | 119 | 17.373 | 17.373 | (0.959) | 10028444 | 50.0000 | 49.37 |
| 76 1,2,4-Trimethylbenzene | 105 | 17.482 | 17.482 | (0.965) | 8866051 | 50.0000 | 49.02 |
| 77 sec-Butylbenzene | 105 | 17.827 | 17.827 | (0.984) | 13181449 | 50.0000 | 48.65 |
| 78 1,3-Dichlorobenzene | 146 | 17.984 | 17.984 | (0.992) | 5536001 | 50.0000 | 49.84 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.122 | 18.122 | (1.000) | 650788 | 10.0000 | |
| 80 p-Isopropyltoluene | 119 | 18.142 | 18.142 | (1.001) | 10867277 | 50.0000 | 48.17 |
| 81 1,4-Dichlorobenzene | 146 | 18.172 | 18.172 | (1.003) | 5440691 | 50.0000 | 60.76 |
| 82 1,2-Dichlorobenzene | 146 | 18.901 | 18.901 | (1.043) | 4494705 | 50.0000 | 50.10 |
| 83 n-Butylbenzene | 91 | 18.980 | 18.980 | (1.047) | 10950704 | 50.0000 | 49.05 |
| 84 1,2-Dibromo-3-chloropropane | 157 | 20.498 | 20.498 | (1.131) | 376172 | 50.0000 | 64.57 |
| 85 1,2,4-Trichlorobenzene | 180 | 22.242 | 22.242 | (1.227) | 4349925 | 50.0000 | 52.73 |
| 86 Hexachlorobutadiene | 225 | 22.676 | 22.676 | (1.251) | 5495201 | 50.0000 | 48.98 |
| 87 Napthalene | 128 | 22.705 | 22.705 | (1.253) | 2920180 | 50.0000 | 55.92 |
| 88 1,2,3-Trichlorobenzene | 180 | 23.159 | 23.159 | (1.278) | 3189876 | 50.0000 | 50.86 |

QC Flag Legend

M - Compound response manually integrated.

Data File: \\SANP2010\D\chem\mo.i\1013BC.B\CS2048.D
Date : 13-OCT-2000 19:00
Client ID:
Sample Info: 50PPB 8260BSTD,,4.0,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mo.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Lab Smp Id: 100PPB 8260BSTD
Inj Date : 13-OCT-2000 19:30
Operator : AD Inst ID: mc.i
Smp Info : 100PPB 8260BSTD,,,5,0,,,8260BCL.M
Misc Info : ,25,,,1,1-8260B.SUB
Comment :
Method : \\SANP2010\D\chem\mc.i\1013BC.B\8260BCL.m
Meth Date : 13-Oct-2000 20:55 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.860 | 1.860 | (0.231) | 6273623 | 100.000 | 98.99 |
| 2 Chloromethane (**) | 50 | 2.086 | 2.086 | (0.259) | 2476406 | 100.000 | 104.9(A) |
| 3 Vinyl chloride (*) | 62 | 2.155 | 2.155 | (0.268) | 2957109 | 100.000 | 104.8(A) |
| 4 Bromomethane | 94 | 2.481 | 2.481 | (0.308) | 3202460 | 100.000 | 107.3(A) |
| 5 Chloroethane | 64 | 2.589 | 2.589 | (0.322) | 1637059 | 100.000 | 89.74 |
| 6 Trichlorofluoromethane | 101 | 2.904 | 2.904 | (0.361) | 10432650 | 100.000 | 99.02 |
| 7 Acrolein | 56 | 5.043 | 5.043 | (0.627) | 2467232 | 1000.00 | 1071(A) |
| 8 1,1-Dichloroethene(*) | 96 | 3.515 | 3.515 | (0.437) | 3862643 | 100.000 | 101.8(A) |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.545 | 3.545 | (0.440) | 6207549 | 100.000 | 98.22 |
| 10 Iodomethane | 142 | 3.703 | 3.703 | (0.460) | 11666037 | 200.000 | 172.0 |
| 11 Acetone | 43 | 3.575 | 3.575 | (0.444) | 843473 | 500.000 | 303.9 |
| 12 Carbon disulfide | 76 | 3.801 | 3.801 | (0.472) | 7796560 | 100.000 | 97.73(M) |
| 13 Methylene chloride | 84 | 4.176 | 4.176 | (0.519) | 2766436 | 100.000 | 91.64 |
| 14 Acrylonitrile | 53 | 7.458 | 7.458 | (0.927) | 344681 | 1000.00 | 897.8 |
| 15 t-Butanol | 59 | 4.412 | 4.412 | (0.548) | 202478 | 400.000 | 292.4 |

MB 10/13/2000

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.368 | 5.368 | (0.667) | 7598938 | 200.000 | 190.6 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.590 | 4.590 | (0.570) | 4446594 | 100.000 | 102.5(A) |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.619 | 4.619 | (0.574) | 2983814 | 100.000 | 78.59 |
| | 19 1,1-Dichloroethane (**) | 63 | 5.220 | 5.220 | (0.649) | 7098050 | 100.000 | 102.0(A) |
| | 20 Isopropyl ether | 45 | 5.398 | 5.398 | (0.671) | 8758659 | 100.000 | 94.46 |
| | 21 Tert-butyl ethyl ether | 59 | 5.970 | 5.970 | (0.742) | 6850293 | 100.000 | 92.10 |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 8495539 | 200.000 | 201.9 |
| | 23 2,2-Dichloropropane | 77 | 6.147 | 6.147 | (0.764) | 6038858 | 100.000 | 143.3(A) |
| | 24 cis-1,2-Dichloroethene | 96 | 6.147 | 6.147 | (0.764) | 4048945 | 100.000 | 99.45 |
| | 25 2-Butanone | 43 | 6.167 | 6.167 | (0.766) | 1174798 | 500.000 | 374.7 |
| | 26 Bromochloromethane | 128 | 6.511 | 6.511 | (0.809) | 1507928 | 100.000 | 76.58 |
| | 27 Tetrahydrofuran | 42 | 6.610 | 6.610 | (0.821) | 147657 | 100.000 | 97.41 |
| | 28 Chloroform (*) | 83 | 6.669 | 6.669 | (0.829) | 9185448 | 100.000 | 90.88 |
| $ | 29 Dibromofluoromethane | 111 | 6.926 | 6.926 | (0.860) | 5887603 | 100.000 | 83.20 |
| | 30 1,1,1-Trichloroethane | 97 | 6.965 | 6.965 | (0.865) | 9835857 | 100.000 | 100.1(A) |
| | 31 Carbon Tetrachloride | 117 | 7.251 | 7.251 | (0.901) | 9650671 | 100.000 | 104.7(A) |
| | 32 1,1-Dichloropropene | 75 | 7.241 | 7.241 | (0.900) | 7426263 | 100.000 | 98.18 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.458 | 7.458 | (0.927) | 2590673 | 100.000 | 78.27 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.458 | 7.458 | (0.927) | 472907 | 100.000 | 81.03 |
| | 35 Benzene | 78 | 7.576 | 7.576 | (0.941) | 9879649 | 100.000 | 93.82 |
| | 36 1,2-Dichloroethane | 62 | 7.596 | 7.596 | (0.944) | 3385807 | 100.000 | 79.59 |
| | 37 Tert-amyl methyl ether | 73 | 7.822 | 7.822 | (0.972) | 4499672 | 100.000 | 84.18 |
| * | 38 Fluorobenzene | 96 | 8.049 | 8.049 | (1.000) | 1325546 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.690 | 8.690 | (1.080) | 6382399 | 100.000 | 95.67 |
| | 40 1,2-Dichloropropane(*) | 63 | 9.044 | 9.044 | (1.124) | 3237382 | 100.000 | 88.68 |
| | 41 Dibromomethane | 93 | 9.242 | 9.242 | (1.148) | 1810915 | 100.000 | 72.60 |
| | 42 Bromodichloromethane | 83 | 9.547 | 9.547 | (1.186) | 6623398 | 100.000 | 90.94 |
| | 43 2-Chloroethylvinyl ether | 106 | 10.109 | 10.109 | (1.256) | 95944 | 200.000 | 149.2(M) |
| | 44 1-Bromo-2-chloroethane | 63 | 10.069 | 10.069 | (1.251) | 2843827 | 100.000 | 83.91 |
| | 45 cis-1,3-Dichloropropene | 75 | 10.355 | 10.355 | (1.287) | 4085841 | 100.000 | 99.40 |
| | 46 4-Methyl-2-pentanone | 43 | 10.661 | 10.661 | (1.324) | 3735686 | 500.000 | 416.3 |
| $ | 47 Toluene-d8 | 98 | 10.848 | 10.848 | (0.804) | 9301568 | 100.000 | 95.72 |
| | 48 Toluene (*) | 91 | 10.966 | 10.966 | (0.812) | 12429969 | 100.000 | 99.62 |
| | 49 trans-1,3-Dichloropropene | 75 | 11.380 | 11.380 | (0.843) | 2654604 | 100.000 | 109.5(A) |
| | 50 1,1,2-Trichloroethane | 97 | 11.696 | 11.696 | (0.866) | 1780231 | 100.000 | 85.06 |
| | 51 Tetrachloroethene | 164 | 11.972 | 11.972 | (0.887) | 6417667 | 100.000 | 98.45 |
| | 52 1,3-Dichloropropane | 76 | 11.991 | 11.991 | (0.888) | 2895623 | 100.000 | 86.08 |
| | 53 2-Hexanone | 43 | 12.198 | 12.198 | (0.904) | 2398740 | 500.000 | 404.3 |
| | 54 Dibromochloromethane | 129 | 12.405 | 12.405 | (0.919) | 4388456 | 100.000 | 99.16 |
| | 55 1,2-Dibromoethane | 107 | 12.583 | 12.583 | (0.932) | 2517836 | 100.000 | 88.81 |
| * | 56 Chlorobenzene-d5 | 117 | 13.499 | 13.499 | (1.000) | 894739 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.549 | 13.549 | (1.004) | 9160029 | 100.000 | 95.50 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.726 | 13.726 | (1.017) | 4601571 | 100.000 | 95.62 |
| | 59 Ethylbenzene (*) | 106 | 13.815 | 13.815 | (1.023) | 4797985 | 100.000 | 101.3(A) |
| | 60 m,p-Xylenes | 106 | 14.051 | 14.051 | (1.041) | 11388791 | 200.000 | 195.3 |
| M | 61 Xylenes (total) | 100 | | | | 16575722 | 300.000 | 291.8 |
| | 62 o-Xylene | 106 | 14.790 | 14.790 | (1.096) | 5186931 | 100.000 | 96.47 |

MM 10/14/2000

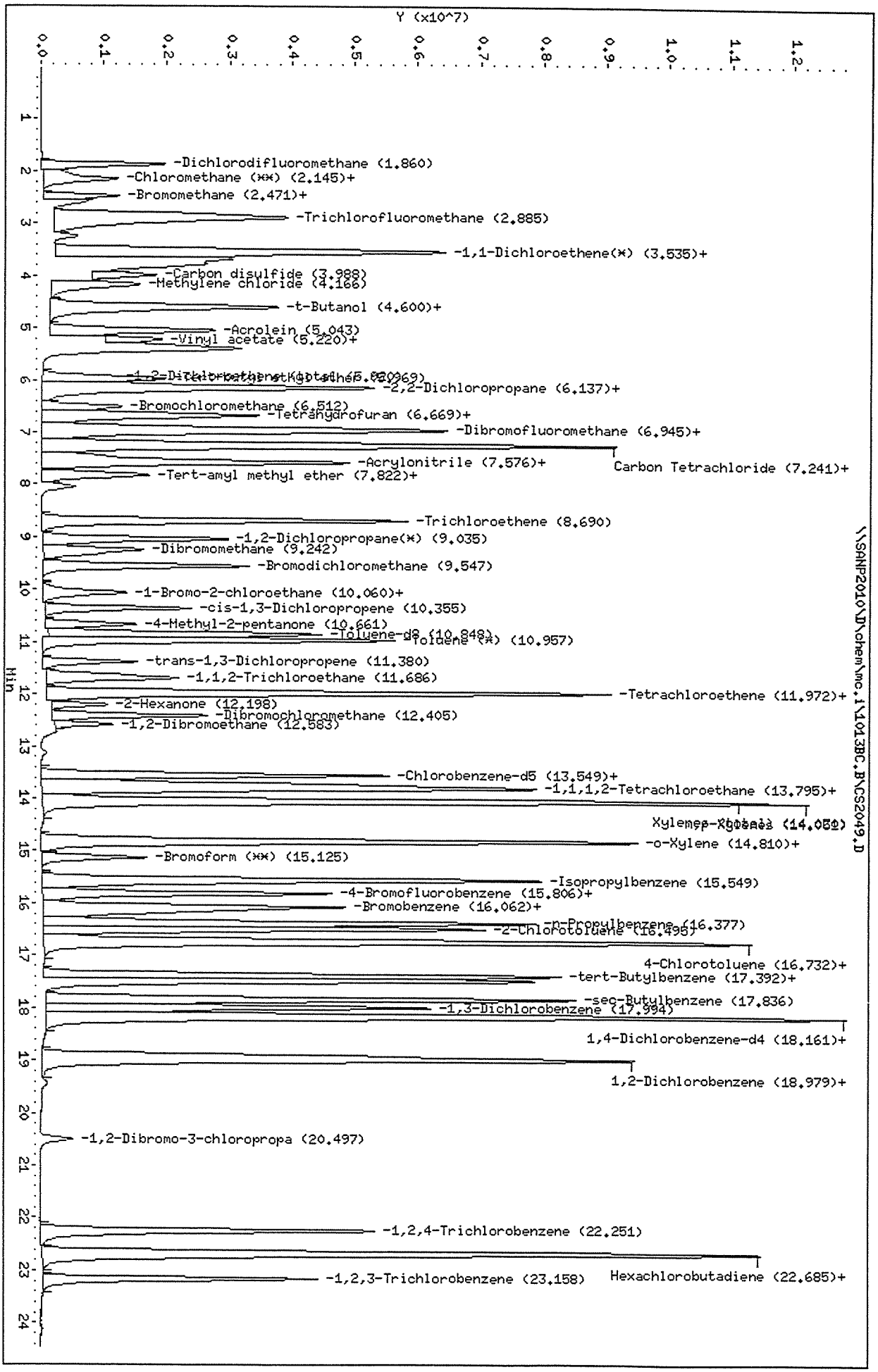
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 63 Styrene | 104 | 14.830 | 14.830 | (1.099) | 7342583 | 100.000 | 93.43 |
| | 64 Bromoform (**) | 173 | 15.125 | 15.125 | (1.120) | 2527657 | 100.000 | 104.1(A) |
| | 65 Isopropylbenzene | 105 | 15.549 | 15.549 | (1.152) | 19101112 | 100.000 | 101.8(A) |
| $ | 66 4-Bromofluorobenzene | 95 | 15.806 | 15.806 | (1.171) | 5448404 | 100.000 | 84.25 |
| | 67 4-Bromofluorobenzene-2nd | 174 | 15.815 | 15.815 | (1.172) | 4565591 | 100.000 | 83.37 |
| | 68 Bromobenzene | 156 | 16.062 | 16.062 | (0.886) | 4630916 | 100.000 | 103.6(A) |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.141 | 16.141 | (0.890) | 2041163 | 100.000 | 95.20 |
| | 70 1,2,3-Trichloropropane | 110 | 16.180 | 16.180 | (0.892) | 547142 | 100.000 | 96.55 |
| | 71 n-Propylbenzene | 91 | 16.377 | 16.377 | (0.903) | 21894451 | 100.000 | 115.5(A) |
| | 72 2-Chlorotoluene | 126 | 16.495 | 16.495 | (0.910) | 4011083 | 100.000 | 105.8(A) |
| | 73 4-Chlorotoluene | 126 | 16.712 | 16.712 | (0.922) | 3879784 | 100.000 | 105.1(A) |
| | 74 1,3,5-Trimethylbenzene | 105 | 16.752 | 16.752 | (0.924) | 14378432 | 100.000 | 108.6(A) |
| | 75 tert-Butylbenzene | 119 | 17.392 | 17.392 | (0.959) | 16218459 | 100.000 | 111.4(A) |
| | 76 1,2,4-Trimethylbenzene | 105 | 17.491 | 17.491 | (0.965) | 13953950 | 100.000 | 107.6(A) |
| | 77 sec-Butylbenzene | 105 | 17.836 | 17.836 | (0.984) | 22062135 | 100.000 | 113.6(A) |
| | 78 1,3-Dichlorobenzene | 146 | 17.994 | 17.994 | (0.992) | 8196277 | 100.000 | 102.9(A) |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 18.131 | 18.131 | (1.000) | 466527 | 10.0000 | |
| | 80 p-Isopropyltoluene | 119 | 18.151 | 18.151 | (1.001) | 17346104 | 100.000 | 107.3(A) |
| | 81 1,4-Dichlorobenzene | 146 | 18.181 | 18.181 | (1.003) | 7602010 | 100.000 | 118.4(A) |
| | 82 1,2-Dichlorobenzene | 146 | 18.910 | 18.910 | (1.043) | 6321529 | 100.000 | 98.30 |
| | 83 n-Butylbenzene | 91 | 18.989 | 18.989 | (1.047) | 17841067 | 100.000 | 111.5(A) |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 20.497 | 20.497 | (1.130) | 497352 | 100.000 | 119.1(A) |
| | 85 1,2,4-Trichlorobenzene | 180 | 22.251 | 22.251 | (1.227) | 6174722 | 100.000 | 104.4(A) |
| | 86 Hexachlorobutadiene | 225 | 22.675 | 22.675 | (1.251) | 8905628 | 100.000 | 110.7(A) |
| | 87 Napthalene | 128 | 22.714 | 22.714 | (1.253) | 3583460 | 100.000 | 95.73 |
| | 88 1,2,3-Trichlorobenzene | 180 | 23.158 | 23.158 | (1.277) | 4296867 | 100.000 | 95.58 |

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\SANP2010\D\chem\mc.i\1013BC.B\CS2049.D
Date : 13-OCT-2000 19:30
Client ID:
Sample Info: 100PPB 8260BSTD,,,5,0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53



# 8260B INITIAL CALIBRATION DATA

DATE ANALYZED: 101800

INSTRUMENT ID: MSG

SAMPLES: EOD 100272



BOE-C6-0167397

FJK 10/. /00

Batch ID: _____

# GC/MS VOA Run Log

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

| Inst ID: MSG | EM Set: 1741 | Tune File: BFB U | Seq File: 10/18/BG |
|---|---|---|---|
| Init. Cal ID: 8260BGS.M | | | Date: 10/18/2000 PM |

| Inj. Time | Analyst | File ID | Work Order # | AS # | Matrix | Sample Wt/Vol | Dil. | I.S. | Run | Rerun | pH | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18:36 | MD | GT1364 | 50ng BFB | | | 1µ | | | ✓ | | | MSVOA1198-1 |
| 18:55 | | GS2290 | 50ppb 8260B | 1 | S | 5g | 1.0 | 109 | ✓ | ✓ | | GASES high. |
| 20:16 | | GS2291 | 50ppb 8260B | 2 | | | | 121 | ✓ | ✓ | | " " |
| 20:59 | | GO9081 | MB 10/18BG | 1 | | | | 102 | ✓ | | | |
| 21:34 | | GS2292 | 5ppb 8260B | 2 | | | | 120 | ✓ | | | IBS3-2A; SD01203-1 |
| 22:09 | | GS2293 | 5ppb 8260B | 3 | | | | 119 | ✓ | | | |
| 22:44 | | GS2294 | 20ppb 8260B | 4 | | | | 121 | ✓ | | | |
| 23:19 | | GS2295 | 50ppb 8260B | 5 | | | | 124 | ✓ | | | |
| 23:57 | | GS2296 | 100ppb 8260B | 6 | | | | 122 | ✓ | | | |
| 0:29 | | GS2297 | 400ppb 8260B | 7 | | | | 117 | ✓ | | | |
| 1:04 | | GO9082 | MB 10/18BG | 8 | | | | 117 | ✓ | | | |
| 1:38 | | GO9083 | Second source | 9 | | | | 121 | ✓ | | | MSVOA1260-1 |



BOE-C6-0167398

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 18-OCT-2000 22:09
End Cal Date : 19-OCT-2000 00:29
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\1018BG.B\8260BGS.M
Cal Date : 19-Oct-2000 18:49 beckmang
Curve Type : Average

Calibration File Names:
Level 1: \\SANP2008\D\chem\mg.i\1018BG.B\GS2293.D
Level 2: \\SANP2008\D\chem\mg.i\1018BG.B\GS2294.D
Level 3: \\SANP2008\D\chem\mg.i\1018BG.B\GS2295.D
Level 4: \\SANP2008\D\chem\mg.i\1018BG.B\GS2296.D
Level 5: \\SANP2008\D\chem\mg.i\1018BG.B\GS2297.D

| Compound | 5.000 Level 1 | 20.000 Level 2 | 50.000 Level 3 | 100.000 Level 4 | 400.000 Level 5 | RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 0.51676 | 0.48748 | 0.45568 | 0.44014 | 0.42096 | 0.46420 | 8.221 | |
| 2 Vinyl chloride (*) | 0.37626 | 0.37643 | 0.35577 | 0.36635 | 0.32755 | 0.36047 | 5.625 | |
| 3 Chloromethane (**) | 0.35139 | 0.36890 | 0.34790 | 0.33310 | 0.32700 | 0.34566 | 4.762 | |
| 4 Bromomethane | 0.26191 | 0.19272 | 0.13853 | 0.12588 | 0.10778 | 0.16537 | 37.842 | <- |
| 5 Chloroethane | 0.20389 | 0.20823 | 0.12079 | 0.08568 | 0.06958 | 0.13763 | 47.348 | <- |
| 6 Trichlorofluoromethane | 0.72955 | 0.70117 | 0.62108 | 0.55883 | 0.16545 | 0.55521 | 41.068 | <- |
| 7 Acrolein | 0.03125 | 0.03171 | 0.03041 | 0.02837 | 0.02208 | 0.02876 | 13.734 | |
| 8 1,1-Dichloroethene(*) | 0.26493 | 0.28148 | 0.26237 | 0.25132 | 0.20203 | 0.25243 | 11.952 | |
| 9 1,1,2-Trichlorotrifluoroethan | 0.40700 | 0.40017 | 0.36398 | 0.34958 | 0.27519 | 0.35918 | 14.691 | |
| 10 Acetone | 0.12442 | 0.10316 | 0.09715 | 0.08457 | 0.07434 | 0.09673 | 19.733 | |
| 11 Iodomethane | 0.44647 | 0.58204 | 0.58366 | 0.57303 | 0.47407 | 0.53186 | 12.446 | |
| 12 Carbon disulfide | 1.28113 | 1.14825 | 1.04727 | 0.83761 | 0.68488 | 0.99982 | 23.927 | |
| 13 Methylene chloride | 0.32310 | 0.32755 | 0.30599 | 0.30346 | 0.28055 | 0.30813 | 6.047 | |
| 14 t-Butanol | 0.00768 | 0.00885 | 0.00893 | 0.00775 | 0.00695 | 0.00803 | 10.492 | |
| 15 trans-1,2-Dichloroethene | 0.31838 | 0.31915 | 0.30128 | 0.29824 | 0.28040 | 0.30349 | 5.294 | |
| 16 Acrylonitrile | 0.09436 | 0.08975 | 0.08758 | 0.07918 | 0.07442 | 0.08506 | 9.523 | |
| 17 Methyl-tert-butyl ether[MTBE] | 0.89895 | 0.88464 | 0.84728 | 0.80915 | 0.74062 | 0.83613 | 7.628 | |
| 18 1,1-Dichloroethane (**) | 0.72817 | 0.72336 | 0.69333 | 0.66797 | 0.62894 | 0.68835 | 5.982 | |
| 19 Vinyl acetate | 1.33670 | 1.30428 | 1.18133 | 1.16408 | 1.05853 | 1.20899 | 9.322 | |
| 20 Isopropyl ether | 1.73978 | 1.64863 | 1.57451 | 1.50083 | 1.37254 | 1.56726 | 8.954 | |
| 21 2,2-Dichloropropane | 0.61639 | 0.60879 | 0.55898 | 0.53205 | 0.48944 | 0.56113 | 9.479 | |
| 22 Tert-butyl ethyl ether | 1.30142 | 1.32271 | 1.26374 | 1.22096 | 1.16068 | 1.25390 | 5.178 | |
| 23 cis-1,2-Dichloroethene | 0.30811 | 0.34961 | 0.32712 | 0.32249 | 0.30330 | 0.32212 | 5.664 | |
| 24 2-Butanone | 0.23920 | 0.20856 | 0.19654 | 0.16928 | 0.16817 | 0.19635 | 15.091 | |
| 25 Bromochloromethane | 0.18159 | 0.19733 | 0.18939 | 0.18645 | 0.18036 | 0.18702 | 3.647 | |
| 26 Chloroform (*) | 0.76632 | 0.74605 | 0.68525 | 0.67195 | 0.64138 | 0.70219 | 7.447 | |

10-24-00

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 18-OCT-2000 22:09
End Cal Date : 19-OCT-2000 00:29
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\1018BG.B\8260BGS.M
Cal Date : 19-Oct-2000 18:49 beckmang
Curve Type : Average

| | Compound | 5.000 Level 1 | 20.000 Level 2 | 50.000 Level 3 | 100.000 Level 4 | 400.000 Level 5 | ___ RRF | % RSD | |
|---|---|---|---|---|---|---|---|---|---|
| | 27 Tetrahydrofuran | 0.15013 | 0.14234 | 0.13686 | 0.11982 | 0.11885 | 0.13360 | 10.369 | |
| M | 28 1,2-Dichloroethene (total) | 0.31324 | 0.33438 | 0.31420 | 0.31037 | 0.29185 | 0.31281 | 4.830 | |
| | 30 1,1,1-Trichloroethane | 0.61972 | 0.60535 | 0.56631 | 0.54275 | 0.51248 | 0.56932 | 7.748 | |
| | 31 Carbon Tetrachloride | 0.58675 | 0.56492 | 0.50810 | 0.49221 | 0.45936 | 0.52227 | 10.058 | |
| | 32 1,1-Dichloropropene | 0.61876 | 0.59103 | 0.52337 | 0.49771 | 0.45698 | 0.53757 | 12.387 | |
| | 34 1,2-Dichloroethane-d4 2nd | 0.01110 | 0.08651 | 0.09240 | 0.09158 | 0.07824 | 0.07197 | 47.925 | <- |
| | 35 Benzene | 1.10630 | 1.07870 | 1.00998 | 0.96756 | 0.78153 | 0.98881 | 12.966 | |
| | 36 1,2-Dichloroethane | 0.56807 | 0.55330 | 0.52157 | 0.49994 | 0.43306 | 0.51519 | 10.302 | |
| | 37 Tert-amyl methyl ether | 1.00024 | 1.07600 | 1.04456 | 1.03058 | 0.85431 | 1.00114 | 8.638 | |
| | 39 Trichloroethene | 0.37831 | 0.39132 | 0.37944 | 0.37176 | 0.35173 | 0.37451 | 3.887 | |
| | 40 1,2-Dichloropropane(*) | 0.45882 | 0.49120 | 0.47203 | 0.45708 | 0.43410 | 0.46264 | 4.539 | |
| | 41 Dibromomethane | 0.34051 | 0.36591 | 0.34484 | 0.33761 | 0.30079 | 0.33793 | 6.966 | |
| | 42 Bromodichloromethane | 0.78295 | 0.79263 | 0.73355 | 0.71013 | 0.66029 | 0.73591 | 7.387 | |
| | 43 1-Bromo-2-chloroethane | 1.01917 | 0.91830 | 0.88282 | 0.84778 | 0.72698 | 0.87901 | 12.106 | |
| | 44 2-Chloroethylvinyl ether | 0.01041 | 0.05530 | 0.05781 | 0.05878 | 0.06041 | 0.04854 | 44.080 | <- |
| | 45 cis-1,3-Dichloropropene | 0.60266 | 0.62025 | 0.60681 | 0.59805 | 0.57990 | 0.60154 | 2.437 | |
| | 46 4-Methyl-2-pentanone | 0.54399 | 0.53335 | 0.49035 | 0.44645 | 0.39265 | 0.48136 | 13.055 | |
| | 48 Toluene (*) | 1.51864 | 1.48017 | 1.38572 | 1.37143 | 1.28467 | 1.40813 | 6.595 | |
| | 49 trans-1,3-Dichloropropene | 0.59422 | 0.67747 | 0.70021 | 0.70253 | 0.69488 | 0.67386 | 6.766 | |
| | 50 1,1,2-Trichloroethane | 0.49559 | 0.48776 | 0.46945 | 0.46778 | 0.43691 | 0.47150 | 4.811 | |
| | 51 Tetrachloroethene | 0.42600 | 0.45938 | 0.42196 | 0.42915 | 0.39210 | 0.42572 | 5.619 | |
| | 52 1,3-Dichloropropane | 0.88972 | 0.89420 | 0.85531 | 0.84149 | 0.78076 | 0.85229 | 5.377 | |
| | 53 2-Hexanone | 0.50526 | 0.50437 | 0.47492 | 0.44365 | 0.39430 | 0.46450 | 10.053 | |
| | 54 Dibromochloromethane | 0.80334 | 0.77998 | 0.75609 | 0.75459 | 0.69525 | 0.75785 | 5.316 | |
| | 55 1,2-Dibromoethane | 0.67475 | 0.68561 | 0.65389 | 0.65637 | 0.61682 | 0.65749 | 3.993 | |
| | 57 Chlorobenzene (**) | 1.01582 | 1.01607 | 0.94813 | 0.95414 | 0.89780 | 0.96640 | 5.200 | |
| | 58 1,1,1,2-Tetrachloroethane | 0.56241 | 0.55206 | 0.51831 | 0.51648 | 0.48161 | 0.52618 | 6.103 | |
| | 59 Ethylbenzene (*) | 0.45426 | 0.49424 | 0.45654 | 0.47155 | 0.41266 | 0.45785 | 6.524 | |
| | 60 m,p-Xylenes | 0.58815 | 0.59661 | 0.50837 | 0.56127 | 0.49693 | 0.55027 | 8.280 | |
| | 61 o-Xylene | 0.51768 | 0.51295 | 0.49569 | 0.56004 | 0.50347 | 0.51797 | 4.828 | |
| | 62 Styrene | 0.91955 | 0.87216 | 0.83927 | 0.94055 | 0.83940 | 0.88219 | 5.248 | |
| M | 63 Xylenes (total) | 0.56466 | 0.56872 | 0.50414 | 0.56086 | 0.49911 | 0.53950 | 6.437 | |
| | 64 Bromoform (**) | 0.58763 | 0.53039 | 0.52347 | 0.56373 | 0.53314 | 0.54767 | 4.959 | |

STL Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 18-OCT-2000 22:09
End Cal Date : 19-OCT-2000 00:29
Quant Method : ISTD
Origin : Disabled
Target Version : 4.00
Integrator : HP RTE
Method file : \\SANP2008\D\chem\mg.i\1018BG.B\8260BGS.M
Cal Date : 19-Oct-2000 18:49 beckmang
Curve Type : Average

| Compound | 5.000 Level 1 | 20.000 Level 2 | 50.000 Level 3 | 100.000 Level 4 | 400.000 Level 5 | RRF | % RSD |
|---|---|---|---|---|---|---|---|
| 65 Isopropylbenzene | 1.63476 | 1.54796 | 1.47298 | 1.65229 | 1.44797 | 1.55119 | 5.942 |
| 66 4-Bromofluorobenzene-2nd | 0.89768 | 0.94507 | 0.88729 | 0.94322 | 0.98407 | 0.93147 | 4.221 |
| 68 Bromobenzene | 0.87062 | 0.89755 | 0.86487 | 0.89312 | 0.93835 | 0.89290 | 3.251 |
| 69 1,1,2,2-Tetrachloroethane(**) | 1.70815 | 1.54194 | 1.42941 | 1.42151 | 1.44860 | 1.50992 | 8.001 |
| 70 1,2,3-Trichloropropane | 0.32375 | 0.35619 | 0.35748 | 0.35093 | 0.36692 | 0.35105 | 4.648 |
| 71 n-Propylbenzene | 4.15204 | 3.98887 | 3.62848 | 3.75708 | 3.67294 | 3.83988 | 5.810 |
| 72 2-Chlorotoluene | 0.68845 | 0.67531 | 0.66036 | 0.69133 | 0.64743 | 0.67258 | 2.775 |
| 73 4-Chlorotoluene | 0.57957 | 0.67074 | 0.64875 | 0.66361 | 0.69418 | 0.65137 | 6.656 |
| 74 1,3,5-Trimethylbenzene | 2.62360 | 2.53569 | 2.35379 | 2.39868 | 2.31429 | 2.44521 | 5.319 |
| 75 tert-Butylbenzene | 2.42744 | 2.51668 | 2.37488 | 2.39250 | 2.44090 | 2.43048 | 2.261 |
| 76 1,2,4-Trimethylbenzene | 2.57862 | 2.52143 | 2.34258 | 2.38275 | 2.42107 | 2.44929 | 4.008 |
| 77 sec-Butylbenzene | 3.42690 | 3.48196 | 3.22828 | 3.26653 | 3.08704 | 3.29814 | 4.813 |
| 78 1,3-Dichlorobenzene | 1.60003 | 1.51365 | 1.36246 | 1.38979 | 1.35032 | 1.44325 | 7.555 |
| 80 1,4-Dichlorobenzene | 1.62865 | 1.56968 | 1.43622 | 1.43542 | 1.32439 | 1.47887 | 8.160 |
| 81 p-Isopropyltoluene | 2.82074 | 2.66547 | 2.41034 | 2.44434 | 2.22434 | 2.51305 | 9.258 |
| 82 1,2-Dichlorobenzene | 1.40444 | 1.42596 | 1.35630 | 1.33945 | 1.32721 | 1.37067 | 3.110 |
| 83 n-Butylbenzene | 2.79204 | 2.75800 | 2.44320 | 2.58611 | 2.38595 | 2.59306 | 7.011 |
| 84 1,2-Dibromo-3-chloropropane | 0.23178 | 0.37195 | 0.39103 | 0.33700 | 0.38399 | 0.34315 | 19.127 |
| 85 1,2,4-Trichlorobenzene | 0.89963 | 1.05260 | 0.98018 | 0.94606 | 1.06376 | 0.98845 | 7.071 |
| 86 Hexachlorobutadiene | 0.74299 | 0.84771 | 0.77493 | 0.72316 | 0.76380 | 0.77052 | 6.164 |
| 87 Napthalene | 1.79854 | 1.96990 | 1.95261 | 1.76353 | 1.87297 | 1.87151 | 4.871 |
| 88 1,2,3-Trichlorobenzene | 0.87081 | 1.04745 | 0.99853 | 0.93631 | 1.02609 | 0.97584 | 7.383 |
| $ 29 Dibromofluoromethane | 0.59337 | 0.61022 | 0.57062 | 0.55828 | 0.54685 | 0.57587 | 4.483 |
| $ 33 1,2-Dichloroethane-d4 | 0.45567 | 0.50015 | 0.48055 | 0.45547 | 0.39235 | 0.45684 | 8.892 |
| $ 47 Toluene-d8 | 1.32905 | 1.32019 | 1.23179 | 1.21323 | 1.07783 | 1.23442 | 8.230 |
| $ 67 4-Bromofluorobenzene | 1.71246 | 1.65335 | 1.54219 | 1.64833 | 1.63406 | 1.63808 | 3.748 |

Data File: \\SANP2008\D\chem\mg.i\1018BG.B/GS2297.D
Report Date: 10/19/2000



# INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2297.D
Analysis Type: SOIL

Injection Date: 19-OCT-2000 00:29
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\1018BG.B\8260BGS.

| COMPOUND | %RSD |
|---|---|
| Dichlorodifluoromethane | 8.2 |
| Vinyl chloride (*) | 5.6 |
| Chloromethane (**) | 4.8 |
| Bromomethane | 37.8 |
| Chloroethane | 47.3 |
| Trichlorofluoromethane | 41.1 |
| 1,1,2-Trichlorotrifluoroethan | 14.7 |
| Acrolein | 13.7 |
| 1,1-Dichloroethene(*) | 12.0 |
| Iodomethane | 12.4 |
| Carbon disulfide | 23.9 |
| Acetone | 19.7 |
| Methylene chloride | 6.0 |
| trans-1,2-Dichloroethene | 5.3 |
| Acrylontrile | 5.3 |
| Methyl-tert-butyl ether[MTBE] | 7.6 |
| t-Butanol | 10.5 |
| 1,1-Dichloroethane (**) | 6.0 |
| Vinyl acetate | 9.3 |
| Isopropyl ether | 9.0 |
| Tert-butyl ethyl ether | 5.2 |
| 2,2-Dichloropropane | 9.5 |
| cis-1,2-Dichloroethene | 5.7 |
| 2-Butanone | 15.1 |
| Bromochloromethane | 3.6 |
| Chloroform (*) | 7.4 |
| Tetrahydrofuran | 10.4 |
| 1,2-Dichloroethene (total) | 4.8 |
| 1,1,1-Trichloroethane | 7.7 |
| Dibromofluoromethane | 4.5 |
| Carbon Tetrachloride | 10.1 |
| 1,1-Dichloropropene | 12.4 |
| 1,2-Dichloroethane-d4 2nd | 47.9 |
| 1,2-Dichloroethane-d4 | 8.9 |
| Benzene | 13.0 |
| 1,2-Dichloroethane | 10.3 |
| Tert-amyl methyl ether | 8.6 |
| Trichloroethene | 3.9 |
| 1,2-Dichloropropane(*) | 4.5 |

Data File: \\SANP2008\D\chem\mg.i\1018BG.B/GS2297.D
Report Date: 10/19/2000

# INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2297.D
Analysis Type: SOIL

Injection Date: 19-OCT-2000 00:29
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\1018BG.B\8

| COMPOUND | %RSD |
|---|---|
| Dibromomethane | 7.0 |
| Bromodichloromethane | 7.4 |
| 1-Bromo-2-chloroethane | 12.1 |
| 2-Chloroethylvinyl ether | 44.1 |
| cis-1,3-Dichloropropene | 2.4 |
| 4-Methyl-2-pentanone | 13.1 |
| Toluene-d8 | 8.2 |
| Toluene (*) | 6.6 |
| trans-1,3-Dichloropropene | 6.8 |
| 1,1,2-Trichloroethane | 4.8 |
| Tetrachloroethene | 5.6 |
| 1,3-Dichloropropane | 5.4 |
| 2-Hexanone | 10.1 |
| Dibromochloromethane | 5.3 |
| 1,2-Dibromoethane | 4.0 |
| Chlorobenzene (**) | 5.2 |
| 1,1,1,2-Tetrachloroethane | 6.1 |
| Ethylbenzene (*) | 6.5 |
| m,p-Xylenes | 8.3 |
| o-Xylene | 4.8 |
| Styrene | 5.2 |
| Xylenes (total) | 6.4 |
| Bromoform (**) | 5.0 |
| Isopropylbenzene | 5.9 |
| 4-Bromofluorobenzene | 3.7 |
| 4-Bromofluorobenzene-2nd | 4.2 |
| Bromobenzene | 3.3 |
| 1,1,2,2-Tetrachloroethane(**) | 8.0 |
| 1,2,3-Trichloropropane | 4.6 |
| n-Propylbenzene | 5.8 |
| 2-Chlorotoluene | 2.8 |
| 4-Chlorotoluene | 6.7 |
| 1,3,5-Trimethylbenzene | 5.3 |
| tert-Butylbenzene | 2.3 |
| 1,2,4-Trimethylbenzene | 4.0 |
| sec-Butylbenzene | 4.8 |
| 1,3-Dichlorobenzene | 7.6 |
| p-Isopropyltoluene | 9.3 |
| 1,4-Dichlorobenzene | 8.2 |

Data File: \\SANP2008\D\chem\mg.i\1018BG.B/GS2297.D
Report Date: 10/19/2000

# INITIAL CALIBRATION REPORT

Instrument ID: mg.i
Lab File ID: GS2297.D
Analysis Type: SOIL

Injection Date: 19-OCT-2000 00:29
Lab Sample ID: 400 PPB 8260B
Method File: \\SANP2008\D\chem\mg.i\1018BG.B\8

| COMPOUND | %RSD |
|---|---|
| 1,2-Dichlorobenzene | 3.1 |
| n-Butylbenzene | 7.0 |
| 1,2-Dibromo-3-chloropropane | 19.1 |
| 1,2,4-Trichlorobenzene | 7.1 |
| Hexachlorobutadiene | 6.2 |
| Napthalene | 4.9 |
| 1,2,3-Trichlorobenzene | 7.4 |

The average of all %RSD's in the initial calibration is 9.7

10-24-00

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2293.D
Lab Smp Id: 5 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\chem\mg.i\1018BG.B\8260BGS.m
Misc Info: 53-2A;59-1,,5,,1,1-8260B.SUB

Calibration Date: 19-OCT-2000
Calibration Time: 01:38

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1210205 | 605103 | 2420410 | 1196596 | -1.12 |
| 56 Chlorobenzene-d5 | 862715 | 431358 | 1725430 | 877809 | 1.75 |
| 79 1,4-Dichlorobenze | 449080 | 224540 | 898160 | 487411 | 8.54 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.08 | 6.58 | 7.58 | 7.09 | 0.11 |
| 56 Chlorobenzene-d5 | 12.60 | 12.10 | 13.10 | 12.60 | -0.02 |
| 79 1,4-Dichlorobenze | 17.23 | 16.73 | 17.73 | 17.24 | 0.04 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2294.D
Lab Smp Id: 20 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Misc Info: 53-2A;59-1,,5,,1,1-8260B.SUB

Calibration Date: 18-OCT-2000
Calibration Time: 20:16

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1216034 | 608017 | 2432068 | 1202090 | -1.15 |
| 56 Chlorobenzene-d5 | 898885 | 449443 | 1797770 | 892327 | -0.73 |
| 79 1,4-Dichlorobenze | 455504 | 227752 | 911008 | 467746 | 2.69 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.07 | 6.57 | 7.57 | 7.09 | 0.18 |
| 56 Chlorobenzene-d5 | 12.59 | 12.09 | 13.09 | 12.59 | -0.05 |
| 79 1,4-Dichlorobenze | 17.23 | 16.73 | 17.73 | 17.23 | 0.02 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2295.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Misc Info: 53-2A;59-1,,5,,1,1-8260B.SUB

Calibration Date: 18-OCT-2000
Calibration Time: 23:19

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1248208 | 624104 | 2496416 | 1248208 | 0.00 |
| 56 Chlorobenzene-d5 | 901954 | 450977 | 1803908 | 901954 | 0.00 |
| 79 1,4-Dichlorobenze | 473592 | 236796 | 947184 | 473592 | 0.00 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.08 | 6.58 | 7.58 | 7.08 | 0.00 |
| 56 Chlorobenzene-d5 | 12.59 | 12.09 | 13.09 | 12.59 | 0.00 |
| 79 1,4-Dichlorobenze | 17.24 | 16.74 | 17.74 | 17.24 | 0.00 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2296.D
Lab Smp Id: 100 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Misc Info: 53-2A;59-1,,5,,1,1-8260B.SUB

Calibration Date: 18-OCT-2000
Calibration Time: 23:19

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1248208 | 624104 | 2496416 | 1225143 | -1.85 |
| 56 Chlorobenzene-d5 | 901954 | 450977 | 1803908 | 882744 | -2.13 |
| 79 1,4-Dichlorobenze | 473592 | 236796 | 947184 | 491301 | 3.74 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.08 | 6.58 | 7.58 | 7.07 | -0.14 |
| 56 Chlorobenzene-d5 | 12.59 | 12.09 | 13.09 | 12.59 | 0.00 |
| 79 1,4-Dichlorobenze | 17.24 | 16.74 | 17.74 | 17.23 | -0.06 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2297.D
Lab Smp Id: 400 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Misc Info: 53-2A;59-1,,5,,1,1-8260B.SUB

Calibration Date: 18-OCT-2000
Calibration Time: 23:19

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1248208 | 624104 | 2496416 | 1179231 | -5.53 |
| 56 Chlorobenzene-d5 | 901954 | 450977 | 1803908 | 845289 | -6.28 |
| 79 1,4-Dichlorobenze | 473592 | 236796 | 947184 | 402771 | -14.95 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.08 | 6.58 | 7.58 | 7.07 | -0.12 |
| 56 Chlorobenzene-d5 | 12.59 | 12.09 | 13.09 | 12.60 | 0.09 |
| 79 1,4-Dichlorobenze | 17.24 | 16.74 | 17.74 | 17.25 | 0.07 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

# Injection Log

Directory: d:\chem\mg.i\1018bg.b

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 1 | gt1364.d | 1. | 50ng bfb,,,,,,bfb.M | 1198-1,,,3,all.SUB | 18 Oct 00 18:36 |
| 2 | 1 | gs2290.d | 1. | 50 PPB 8260B,,,3,0,,,8260BGS.M | 1251-2;53-2A;B,,5,,2,1-8260B.SUB | 18 Oct 00 18:55 |
| 3 | 2 | gs2291.d | 1. | 50 PPB 8260B,,,3,0,,,8260BGS.M | 1251-2;53-2A;B,,5,,2,1-8260B.SUB | 18 Oct 00 20:16 |
| 4 | 1 | g09081.d | 1. | MB-101800,BLANK,2,,0,1,0,8260BGS.M,G090 | ,,5,,3,1-8260B.SUB | 18 Oct 00 20:59 |
| 5 | 2 | gs2292.d | 1. | 5 PPB 8260B,,,1,0,,,8260BGS.M | 53-2A;59-1,,5,,1,1-8260B.SUB | 18 Oct 00 21:34 |
| 6 | 3 | gs2293.d | 1. | 5 PPB 8260B,,,1,0,,,8260BGS.M | 53-2A;59-1,,5,,1,1-8260B.SUB | 18 Oct 00 22:09 |
| 7 | 4 | gs2294.d | 1. | 20 PPB 8260B,,,2,0,,,8260BGS.M | 53-2A;59-1,,5,,1,1-8260B.SUB | 18 Oct 00 22:44 |
| 8 | 5 | gs2295.d | 1. | 50 PPB 8260B,,,3,0,,,8260BGS.M | 53-2A;59-1,,5,,1,1-8260B.SUB | 18 Oct 00 23:19 |
| 9 | 6 | gs2296.d | 1. | 100 PPB 8260B,,,4,0,,,8260BGS.M | 53-2A;59-1,,5,,1,1-8260B.SUB | 18 Oct 00 23:54 |
| 10 | 7 | gs2297.d | 1. | 400 PPB 8260B,,,5,0,,,8260BGS.M | 53-2A;59-1,,5,,1,1-8260B.SUB | 19 Oct 00 00:29 |
| 11 | 8 | g09082.d | 1. | MB-101800,BLANK,2,,0,1,0,8260BGS.M,G090 | ,,5,,3,1-8260B.SUB | 19 Oct 00 01:04 |
| 12 | 9 | g09083.d | 1. | 2ndSrc,,,3,0,1,0,8260BGS.M,G09083 | 1160-1,,5,,2,1-8260B.SUB | 19 Oct 00 01:38 |

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\1018BG.B\GT1364.D
Lab Smp Id:
Inj Date : 18-OCT-2000 18:36
Operator : AD Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : 1198-1,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1018BG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * Vf * VI

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | ng unit correction factor |
| Vf | 1.000 | Volumetric correction factor |
| VI | 1.000 | Injection Volume |

| RT | EXP RT | (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 Bromofluorobenzene | | | | | | CAS #: 460-00-4 | | |
| 1.7905 | 1.8000 | (0.000) | 95 | 61237 | | | 0.00- 100.00 | 100.00 |
| 1.7905 | 1.8000 | (0.000) | 50 | 13552 | | | 15.00- 40.00 | 22.13 |
| 1.7905 | 1.8000 | (0.000) | 75 | 31008 | | | 30.00- 60.00 | 50.64 |
| 1.7905 | 1.8000 | (0.000) | 96 | 4724 | | | 5.00- 9.00 | 7.71 |
| 1.7905 | 1.8000 | (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 1.7905 | 1.8000 | (0.000) | 174 | 38968 | | | 50.00- 0.00 | 63.63 |
| 1.7905 | 1.8000 | (0.000) | 175 | 3180 | | | 5.00- 9.00 | 8.16 |
| 1.7905 | 1.8000 | (0.000) | 176 | 39202 | | | 95.00- 101.00 | 100.60 |
| 1.7905 | 1.8000 | (0.000) | 177 | 2694 | | | 5.00- 9.00 | 6.87 |

10/18/2000

10-24-00

Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GT1364.D



Date : 18-OCT-2000 18:36

Client ID:

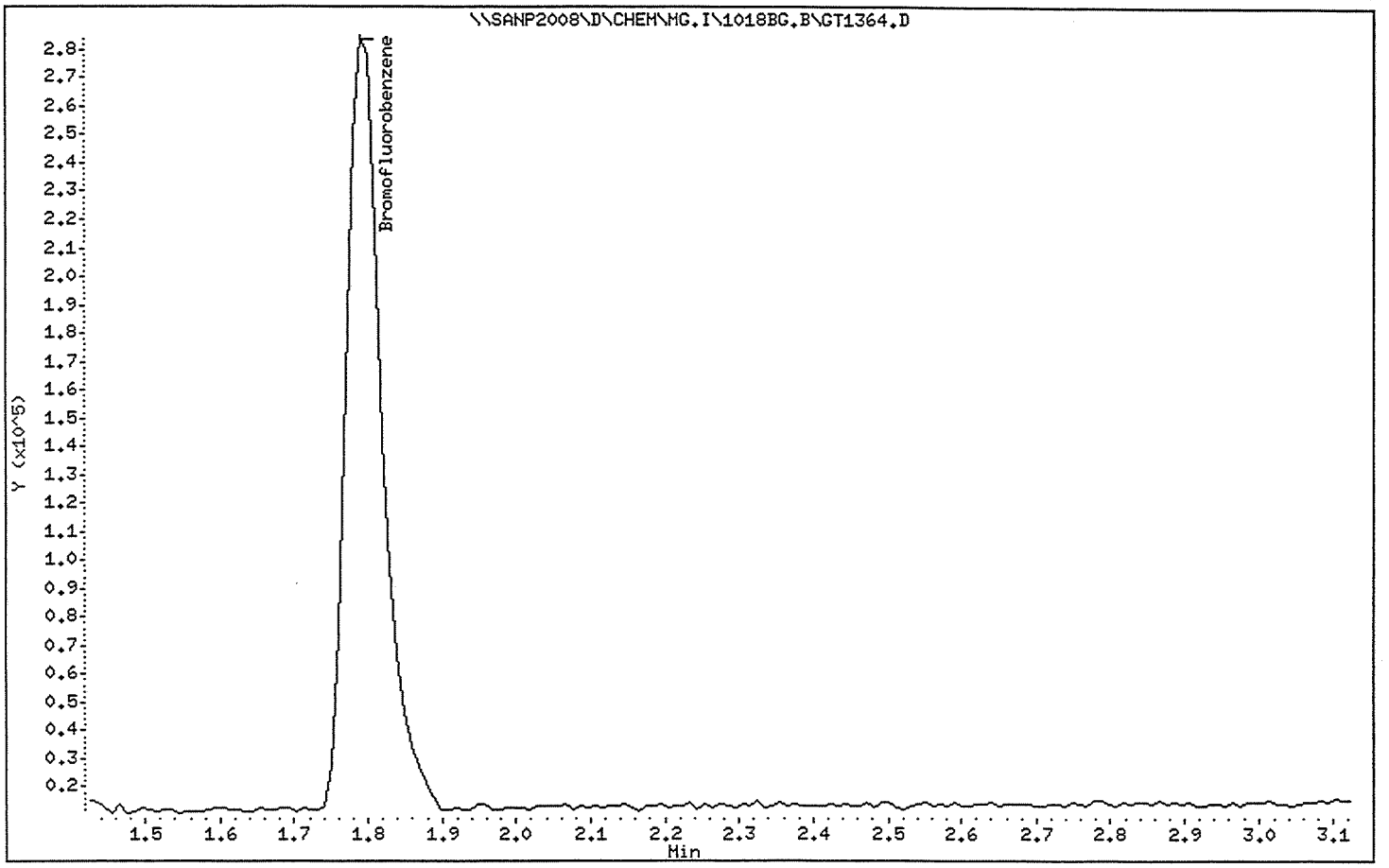
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GT1364.D



Date : 18-OCT-2000 18:36

Client ID:

Instrument: mg.i

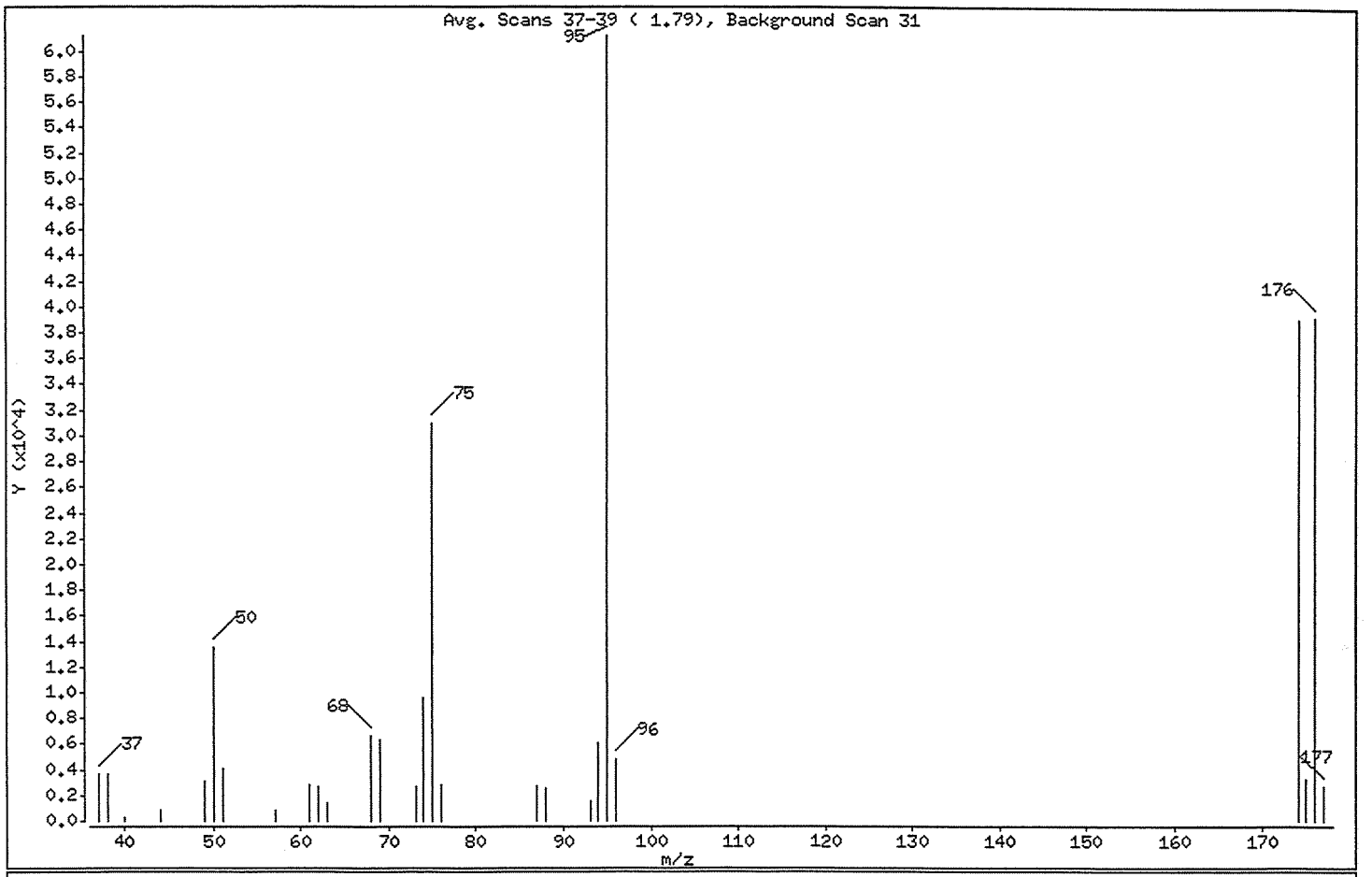
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 22.13 |
| 75 | 30.00 - 60.00% of mass 95 | 50.64 |
| 96 | 5.00 - 9.00% of mass 95 | 7.71 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 63.63 |
| 175 | 5.00 - 9.00% of mass 174 | 5.19 ( 8.16) |
| 176 | 95.00 - 101.00% of mass 174 | 64.02 (100.60) |
| 177 | 5.00 - 9.00% of mass 176 | 4.40 ( 6.87) |

Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GT1364.D

Date : 18-OCT-2000 18:36

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1364.D
Spectrum: Avg. Scans 37-39 ( 1.79), Background Scan 31
Location of Maximum: 95.00
Number of points: 27

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 37.00 | 3715 | 57.00 | 778 | 74.00 | 9559 | 95.00 | 61232 |
| 38.00 | 3631 | 61.00 | 2851 | 75.00 | 31008 | 96.00 | 4724 |
| 40.00 | 226 | 62.00 | 2611 | 76.00 | 2833 | 174.00 | 38968 |
| 44.00 | 889 | 63.00 | 1445 | 87.00 | 2623 | 175.00 | 3180 |
| 49.00 | 3089 | 68.00 | 6568 | 88.00 | 2484 | 176.00 | 39200 |
| 50.00 | 13552 | 69.00 | 6266 | 93.00 | 1504 | 177.00 | 2694 |
| 51.00 | 4084 | 73.00 | 2656 | 94.00 | 6077 | | |

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\chem\mg.i\1018BG.B\GS2293.D
Lab Smp Id: 5 PPB 8260B
Inj Date : 18-OCT-2000 22:09
Operator : AD Inst ID: mg.i
Smp Info : 5 PPB 8260B,,,1,0,,,8260BGS.M
Misc Info : 53-2A;59-1,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\chem\mg.i\1018BG.B\8260BGS.m
Meth Date : 19-Oct-2000 18:49 beckmang Quant Type: ISTD
Cal Date : 18-OCT-2000 22:09 Cal File: GS2293.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.505 | 1.497 | (0.212) | 61835 | 5.00000 | 5.57 |
| 3 Chloromethane (**) | 50 | 1.722 | 1.744 | (0.243) | 42047 | 5.00000 | 5.08 |
| 2 Vinyl chloride (*) | 62 | 1.732 | 1.734 | (0.244) | 45023 | 5.00000 | 5.22 |
| 4 Bromomethane | 94 | 2.018 | 2.010 | (0.285) | 31340 | 5.00000 | 7.92 |
| 5 Chloroethane | 64 | 2.096 | 2.079 | (0.296) | 24397 | 5.00000 | 7.41 |
| 6 Trichlorofluoromethane | 101 | 2.333 | 2.325 | (0.329) | 87298 | 5.00000 | 6.57 |
| 7 Acrolein | 56 | 2.728 | 2.774 | (0.385) | 37390 | 50.0000 | 54.32 |
| 8 1,1-Dichloroethene(*) | 96 | 2.826 | 2.828 | (0.399) | 31701 | 5.00000 | 5.25 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.826 | 2.755 | (0.399) | 48702 | 5.00000 | 5.66 |
| 10 Acetone | 43 | 2.905 | 2.917 | (0.410) | 74440 | 25.0000 | 32.16 |
| 11 Iodomethane | 142 | 2.984 | 2.976 | (0.421) | 106849 | 10.0000 | 8.39 |
| 12 Carbon disulfide | 76 | 3.043 | 3.035 | (0.429) | 153299 | 5.00000 | 6.41 |
| 13 Methylene chloride | 84 | 3.378 | 3.370 | (0.477) | 38662 | 5.00000 | 5.24 |
| 14 t-Butanol | 59 | 3.625 | 3.706 | (0.512) | 22982 | 125.000 | 141.8(a) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acrylontrile | 53 | 3.694 | 3.696 | (0.521) | 112906 | 50.0000 | 55.47 |
| | 15 trans-1,2-Dichloroethene | 96 | 3.694 | 3.696 | (0.521) | 38097 | 5.00000 | 5.24 |
| | 19 Vinyl acetate | 43 | 4.433 | 4.425 | (0.626) | 319898 | 10.0000 | 11.06 |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.723 | 3.819 | (0.525) | 107568 | 5.00000 | 5.38 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.305 | 4.307 | (0.608) | 87133 | 5.00000 | 5.29 |
| | 20 Isopropyl ether | 45 | 4.482 | 4.465 | (0.633) | 208181 | 5.00000 | 5.55 |
| | 22 Tert-butyl ethyl ether | 59 | 5.035 | 5.047 | (0.711) | 155727 | 5.00000 | 5.19 |
| | 21 2,2-Dichloropropane | 77 | 5.182 | 5.175 | (0.731) | 73757 | 5.00000 | 5.49(M) |
| | 23 cis-1,2-Dichloroethene | 96 | 5.182 | 5.194 | (0.731) | 36868 | 5.00000 | 4.78(a) |
| | 24 2-Butanone | 43 | 5.301 | 5.273 | (0.748) | 143110 | 25.0000 | 30.46 |
| | 25 Bromochloromethane | 128 | 5.557 | 5.569 | (0.784) | 21729 | 5.00000 | 4.85(a) |
| | 27 Tetrahydrofuran | 42 | 5.685 | 5.697 | (0.802) | 17965 | 5.00000 | 5.62 |
| | 26 Chloroform (*) | 83 | 5.735 | 5.727 | (0.809) | 91698 | 5.00000 | 5.46 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 74965 | 10.0000 | 10.03 |
| $ | 29 Dibromofluoromethane | 111 | 5.981 | 5.983 | (0.844) | 71003 | 5.00000 | 5.15 |
| | 30 1,1,1-Trichloroethane | 97 | 5.952 | 5.954 | (0.840) | 74155 | 5.00000 | 5.44 |
| | 31 Carbon Tetrachloride | 117 | 6.247 | 6.230 | (0.882) | 70210 | 5.00000 | 5.62 |
| | 32 1,1-Dichloropropene | 75 | 6.247 | 6.230 | (0.882) | 74041 | 5.00000 | 5.76 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.523 | 6.526 | (0.921) | 54525 | 5.00000 | 4.99(aM) |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.533 | 6.516 | (0.922) | 1328 | 5.00000 | 0.771(aM) |
| | 35 Benzene | 78 | 6.582 | 6.585 | (0.929) | 132380 | 5.00000 | 5.59 |
| | 36 1,2-Dichloroethane | 62 | 6.652 | 6.644 | (0.939) | 67975 | 5.00000 | 5.51 |
| | 37 Tert-amyl methyl ether | 73 | 6.868 | 6.870 | (0.969) | 119688 | 5.00000 | 5.00 |
| * | 38 Fluorobenzene | 96 | 7.085 | 7.078 | (1.000) | 1196596 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.736 | 7.718 | (1.092) | 45269 | 5.00000 | 5.05 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.111 | 8.103 | (1.145) | 54902 | 5.00000 | 4.96(a) |
| | 41 Dibromomethane | 93 | 8.318 | 8.310 | (1.174) | 40745 | 5.00000 | 5.04 |
| | 42 Bromodichloromethane | 83 | 8.643 | 8.635 | (1.220) | 93688 | 5.00000 | 5.32 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.264 | 9.257 | (1.308) | 2491 | 10.0000 | 2.14(aM) |
| | 43 1-Bromo-2-chloroethane | 63 | 9.136 | 9.153 | (1.289) | 121954 | 5.00000 | 5.80(M) |
| | 45 cis-1,3-Dichloropropene | 75 | 9.461 | 9.444 | (1.335) | 72114 | 5.00000 | 5.01 |
| | 46 4-Methyl-2-pentanone | 43 | 9.797 | 9.809 | (1.383) | 325469 | 25.0000 | 28.25 |
| $ | 47 Toluene-d8 | 98 | 9.915 | 9.897 | (0.787) | 116665 | 5.00000 | 5.38 |
| | 48 Toluene (*) | 91 | 10.023 | 10.026 | (0.796) | 133308 | 5.00000 | 5.39 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.516 | 10.499 | (0.835) | 52161 | 5.00000 | 4.41(a) |
| | 50 1,1,2-Trichloroethane | 97 | 10.822 | 10.824 | (0.859) | 43503 | 5.00000 | 5.26 |
| | 51 Tetrachloroethene | 164 | 11.019 | 11.011 | (0.875) | 37395 | 5.00000 | 5.00 |
| | 52 1,3-Dichloropropane | 76 | 11.108 | 11.120 | (0.882) | 78100 | 5.00000 | 5.22 |
| | 53 2-Hexanone | 43 | 11.384 | 11.376 | (0.904) | 221762 | 25.0000 | 27.19 |
| | 54 Dibromochloromethane | 129 | 11.522 | 11.524 | (0.915) | 70518 | 5.00000 | 5.30 |
| | 55 1,2-Dibromoethane | 107 | 11.690 | 11.692 | (0.928) | 59230 | 5.00000 | 5.13 |
| * | 56 Chlorobenzene-d5 | 117 | 12.597 | 12.599 | (1.000) | 877809 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.646 | 12.648 | (1.004) | 89170 | 5.00000 | 5.26 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 12.843 | 12.835 | (1.020) | 49369 | 5.00000 | 5.34 |
| | 59 Ethylbenzene (*) | 106 | 12.902 | 12.914 | (1.024) | 39875 | 5.00000 | 4.96(a) |
| | 60 m,p-Xylenes | 106 | 13.159 | 13.151 | (1.045) | 103257 | 10.0000 | 10.69 |
| | 61 o-Xylene | 106 | 13.918 | 13.910 | (1.105) | 45442 | 5.00000 | 5.00 |

10-24-00

10-24-00

10-24-00

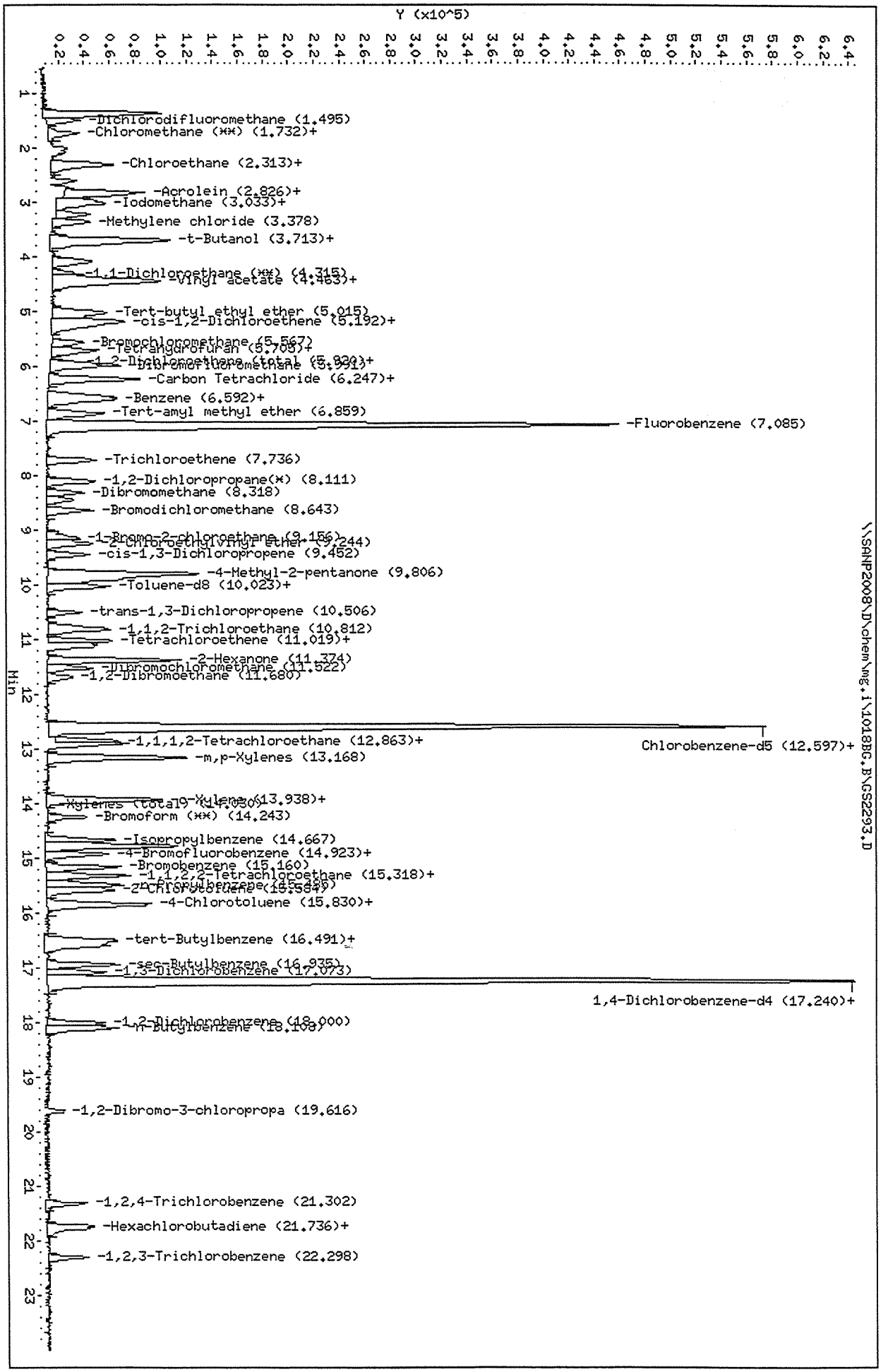
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 62 Styrene | 104 | 13.947 | 13.949 | (1.107) | 80719 | 5.00000 | 5.21 |
| M | 63 Xylenes (total) | 100 | | | | 148700 | 15.0000 | 15.68 |
| | 64 Bromoform (**) | 173 | 14.253 | 14.255 | (1.131) | 51583 | 5.00000 | 5.36 |
| | 65 Isopropylbenzene | 105 | 14.667 | 14.659 | (1.164) | 143501 | 5.00000 | 5.27 |
| $ | 67 4-Bromofluorobenzene | 95 | 14.923 | 14.926 | (0.866) | 83467 | 5.00000 | 5.23 |
| | 66 4-Bromofluorobenzene-2nd | 174 | 14.933 | 14.926 | (0.866) | 43754 | 5.00000 | 4.82(a) |
| | 68 Bromobenzene | 156 | 15.170 | 15.162 | (0.880) | 42435 | 5.00000 | 4.88(a) |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.308 | 15.300 | (0.888) | 83257 | 5.00000 | 5.66 |
| | 70 1,2,3-Trichloropropane | 110 | 15.338 | 15.330 | (0.890) | 15780 | 5.00000 | 4.61(a) |
| | 71 n-Propylbenzene | 91 | 15.485 | 15.488 | (0.898) | 202375 | 5.00000 | 5.41 |
| | 72 2-Chlorotoluene | 126 | 15.594 | 15.596 | (0.904) | 33556 | 5.00000 | 5.12 |
| | 73 4-Chlorotoluene | 126 | 15.830 | 15.813 | (0.918) | 28249 | 5.00000 | 4.45(a) |
| | 74 1,3,5-Trimethylbenzene | 105 | 15.860 | 15.862 | (0.920) | 127877 | 5.00000 | 5.36 |
| | 75 tert-Butylbenzene | 119 | 16.491 | 16.493 | (0.957) | 118316 | 5.00000 | 4.99(a) |
| | 76 1,2,4-Trimethylbenzene | 105 | 16.590 | 16.602 | (0.962) | 125685 | 5.00000 | 5.26 |
| | 77 sec-Butylbenzene | 105 | 16.935 | 16.947 | (0.982) | 167031 | 5.00000 | 5.20 |
| | 78 1,3-Dichlorobenzene | 146 | 17.073 | 17.085 | (0.990) | 77987 | 5.00000 | 5.54 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 17.240 | 17.233 | (1.000) | 487411 | 50.0000 | |
| | 80 1,4-Dichlorobenzene | 146 | 17.280 | 17.272 | (1.002) | 79382 | 5.00000 | 5.51 |
| | 81 p-Isopropyltoluene | 119 | 17.270 | 17.262 | (1.002) | 137486 | 5.00000 | 5.61 |
| | 82 1,2-Dichlorobenzene | 146 | 18.000 | 18.002 | (1.044) | 68454 | 5.00000 | 5.12 |
| | 83 n-Butylbenzene | 91 | 18.098 | 18.100 | (1.050) | 136087 | 5.00000 | 5.38 |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 19.616 | 19.619 | (1.138) | 11297 | 5.00000 | 3.38(a) |
| | 85 1,2,4-Trichlorobenzene | 180 | 21.322 | 21.314 | (1.237) | 43849 | 5.00000 | 4.55(a) |
| | 86 Hexachlorobutadiene | 225 | 21.726 | 21.738 | (1.260) | 36214 | 5.00000 | 4.82(a) |
| | 87 Napthalene | 128 | 21.785 | 21.778 | (1.264) | 87663 | 5.00000 | 4.80(a) |
| | 88 1,2,3-Trichlorobenzene | 180 | 22.298 | 22.290 | (1.293) | 42444 | 5.00000 | 4.46(a) |

## QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\SANP2008\D\chem\mg.i\1018BG.B\GS2293.D
Date : 18-OCT-2000 22:09
Client ID:
Sample Info: 5 PPB 8260B,,1.0,,8260BGS.M
Column phase: J&W DB-624

Instrument: mg.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2294.D
Lab Smp Id: 20 PPB 8260B
Inj Date : 18-OCT-2000 22:44
Operator : AD Inst ID: mg.i
Smp Info : 20 PPB 8260B,,,2,0,,,8260BGS.M
Misc Info : 53-2A;59-1,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Meth Date : 18-Oct-2000 23:10 +AwN( Quant Type: ISTD
Cal Date : 12-OCT-2000 17:03 Cal File: GS2269.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.495 | 1.492 | (0.211) | 234396 | 20.0000 | 38.96 |
| 3 Chloromethane (**) | 50 | 1.732 | 1.719 | (0.244) | 177380 | 20.0000 | 29.66(Q) |
| 2 Vinyl chloride (*) | 62 | 1.732 | 1.729 | (0.244) | 181001 | 20.0000 | 29.22 |
| 4 Bromomethane | 94 | 1.998 | 1.995 | (0.282) | 92669 | 20.0000 | 31.37(Q) |
| 5 Chloroethane | 64 | 2.097 | 2.094 | (0.296) | 100124 | 20.0000 | 38.96 |
| 6 Trichlorofluoromethane | 101 | 2.333 | 2.320 | (0.329) | 337146 | 20.0000 | 31.23 |
| 7 Acrolein | 56 | 2.737 | 2.734 | (0.386) | 151301 | 200.000 | 230.1(AQ) |
| 8 1,1-Dichloroethene(*) | 96 | 2.836 | 2.823 | (0.400) | 135346 | 20.0000 | 25.88 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.826 | 2.823 | (0.399) | 192418 | 20.0000 | 26.48 |
| 10 Acetone | 43 | 2.895 | 2.902 | (0.409) | 248009 | 100.000 | 119.5 |
| 11 Iodomethane | 142 | 2.974 | 2.971 | (0.420) | 559734 | 40.0000 | 65.48 |
| 12 Carbon disulfide | 76 | 3.043 | 3.030 | (0.429) | 462399 | 20.0000 | 25.98 |
| 13 Methylene chloride | 84 | 3.359 | 3.365 | (0.474) | 157511 | 20.0000 | 23.70 |
| 14 t-Butanol | 59 | 3.615 | 3.612 | (0.510) | 106368 | 500.000 | 592.6 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acrylontrile | 53 | 3.694 | 3.691 | (0.521) | 437086 | 200.000 | 230.5(A) |
| | 15 trans-1,2-Dichloroethene | 96 | 3.704 | 3.701 | (0.523) | 153460 | 20.0000 | 23.91 |
| | 19 Vinyl acetate | 43 | 4.423 | 4.420 | (0.624) | 1254293 | 40.0000 | 48.98 |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.753 | 3.740 | (0.530) | 425337 | 20.0000 | 22.02 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.295 | 4.292 | (0.606) | 347818 | 20.0000 | 22.64 |
| | 20 Isopropyl ether | 45 | 4.463 | 4.460 | (0.630) | 792721 | 20.0000 | 23.25 |
| | 22 Tert-butyl ethyl ether | 59 | 5.015 | 5.012 | (0.708) | 636008 | 20.0000 | 22.72 |
| | 21 2,2-Dichloropropane | 77 | 5.153 | 5.160 | (0.727) | 292749 | 20.0000 | 22.25 |
| | 23 cis-1,2-Dichloroethene | 96 | 5.183 | 5.189 | (0.731) | 168105 | 20.0000 | 22.99 |
| | 24 2-Butanone | 43 | 5.271 | 5.278 | (0.744) | 501775 | 100.000 | 114.8 |
| | 25 Bromochloromethane | 128 | 5.567 | 5.564 | (0.786) | 94881 | 20.0000 | 24.04 |
| | 27 Tetrahydrofuran | 42 | 5.676 | 5.663 | (0.801) | 68443 | 20.0000 | 21.89 |
| | 26 Chloroform (*) | 83 | 5.725 | 5.712 | (0.808) | 358754 | 20.0000 | 22.38 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 321565 | 40.0000 | 46.89 |
| $ | 29 Dibromofluoromethane | 111 | 5.981 | 5.978 | (0.844) | 293417 | 20.0000 | 23.62 |
| | 30 1,1,1-Trichloroethane | 97 | 5.962 | 5.949 | (0.841) | 291074 | 20.0000 | 22.44 |
| | 31 Carbon Tetrachloride | 117 | 6.228 | 6.225 | (0.879) | 271636 | 20.0000 | 23.35 |
| | 32 1,1-Dichloropropene | 75 | 6.238 | 6.225 | (0.880) | 284204 | 20.0000 | 22.90 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.504 | 6.511 | (0.918) | 240481 | 20.0000 | 23.56 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.524 | 6.511 | (0.921) | 41597 | 20.0000 | 22.12 |
| | 35 Benzene | 78 | 6.573 | 6.570 | (0.928) | 518649 | 20.0000 | 22.81 |
| | 36 1,2-Dichloroethane | 62 | 6.642 | 6.629 | (0.937) | 266045 | 20.0000 | 21.85 |
| | 37 Tert-amyl methyl ether | 73 | 6.869 | 6.865 | (0.969) | 517381 | 20.0000 | 21.00 |
| * | 38 Fluorobenzene | 96 | 7.085 | 7.072 | (1.000) | 1202090 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.716 | 7.704 | (1.089) | 188162 | 20.0000 | 21.39 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.101 | 8.108 | (1.143) | 236185 | 20.0000 | 20.87 |
| | 41 Dibromomethane | 93 | 8.308 | 8.305 | (1.173) | 175945 | 20.0000 | 21.70 |
| | 42 Bromodichloromethane | 83 | 8.643 | 8.630 | (1.220) | 381125 | 20.0000 | 21.80 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.255 | 9.242 | (1.306) | 53176 | 40.0000 | 50.06 |
| | 43 1-Bromo-2-chloroethane | 63 | 9.146 | 9.153 | (1.291) | 680551 | 20.0000 | 30.47(Q) |
| | 45 cis-1,3-Dichloropropene | 75 | 9.452 | 9.449 | (1.334) | 298239 | 20.0000 | 19.85 |
| | 46 4-Methyl-2-pentanone | 43 | 9.797 | 9.803 | (1.383) | 1282277 | 100.000 | 111.5 |
| $ | 47 Toluene-d8 | 98 | 9.905 | 9.902 | (0.787) | 471218 | 20.0000 | 21.89 |
| | 48 Toluene (*) | 91 | 10.014 | 10.020 | (0.796) | 528318 | 20.0000 | 19.65 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.517 | 10.494 | (0.836) | 241809 | 20.0000 | 17.71 |
| | 50 1,1,2-Trichloroethane | 97 | 10.832 | 10.819 | (0.861) | 174107 | 20.0000 | 19.67 |
| | 51 Tetrachloroethene | 164 | 11.029 | 11.016 | (0.876) | 163965 | 20.0000 | 20.40 |
| | 52 1,3-Dichloropropane | 76 | 11.108 | 11.105 | (0.883) | 319166 | 20.0000 | 19.72 |
| | 53 2-Hexanone | 43 | 11.374 | 11.371 | (0.904) | 900118 | 100.000 | 102.6 |
| | 54 Dibromochloromethane | 129 | 11.522 | 11.519 | (0.915) | 278400 | 20.0000 | 20.00 |
| | 55 1,2-Dibromoethane | 107 | 11.690 | 11.677 | (0.929) | 244714 | 20.0000 | 19.66(Q) |
| * | 56 Chlorobenzene-d5 | 117 | 12.587 | 12.594 | (1.000) | 892327 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.646 | 12.643 | (1.005) | 362668 | 20.0000 | 19.64 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 12.843 | 12.840 | (1.020) | 197049 | 20.0000 | 19.93 |
| | 59 Ethylbenzene (*) | 106 | 12.912 | 12.909 | (1.026) | 176426 | 20.0000 | 19.27 |
| | 60 m,p-Xylenes | 106 | 13.149 | 13.146 | (1.045) | 425896 | 40.0000 | 38.32 |
| | 61 o-Xylene | 106 | 13.908 | 13.895 | (1.105) | 183086 | 20.0000 | 16.83 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|---|
| | 62 Styrene | 104 | 13.948 | 13.935 | (1.108) | 311299 | 20.0000 | 16.96 | |
| M | 63 Xylenes (total) | 100 | | | | 608983 | 60.0000 | 55.15 | |
| | 64 Bromoform (**) | 173 | 14.263 | 14.250 | (1.133) | 189312 | 20.0000 | 18.18 | |
| | 65 Isopropylbenzene | 105 | 14.667 | 14.654 | (1.165) | 552515 | 20.0000 | 16.66 | |
| $ | 67 4-Bromofluorobenzene | 95 | 14.924 | 14.920 | (0.866) | 309339 | 20.0000 | 19.41 | |
| | 66 4-Bromofluorobenzene-2nd | 174 | 14.924 | 14.920 | (0.866) | 176821 | 20.0000 | 20.56 | |
| | 68 Bromobenzene | 156 | 15.150 | 15.157 | (0.879) | 167942 | 20.0000 | 18.95 | |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.318 | 15.305 | (0.889) | 288494 | 20.0000 | 18.27 | |
| | 70 1,2,3-Trichloropropane | 110 | 15.328 | 15.325 | (0.890) | 66650 | 20.0000 | 18.63 | |
| | 71 n-Propylbenzene | 91 | 15.486 | 15.482 | (0.899) | 746311 | 20.0000 | 18.29 | |
| | 72 2-Chlorotoluene | 126 | 15.584 | 15.591 | (0.904) | 126349 | 20.0000 | 17.64 | |
| | 73 4-Chlorotoluene | 126 | 15.821 | 15.808 | (0.918) | 125495 | 20.0000 | 17.88 | |
| | 74 1,3,5-Trimethylbenzene | 105 | 15.860 | 15.857 | (0.920) | 474423 | 20.0000 | 17.98 | |
| | 75 tert-Butylbenzene | 119 | 16.491 | 16.488 | (0.957) | 470867 | 20.0000 | 18.07 | |
| | 76 1,2,4-Trimethylbenzene | 105 | 16.590 | 16.597 | (0.963) | 471763 | 20.0000 | 17.67 | |
| | 77 sec-Butylbenzene | 105 | 16.945 | 16.932 | (0.983) | 651469 | 20.0000 | 17.53 | |
| | 78 1,3-Dichlorobenzene | 146 | 17.093 | 17.080 | (0.992) | 283201 | 20.0000 | 18.58 | |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 17.231 | 17.228 | (1.000) | 467746 | 50.0000 | | (Q) |
| | 80 1,4-Dichlorobenzene | 146 | 17.270 | 17.267 | (1.002) | 293685 | 20.0000 | 18.97 | |
| | 81 p-Isopropyltoluene | 119 | 17.270 | 17.257 | (1.002) | 498705 | 20.0000 | 17.95 | |
| | 82 1,2-Dichlorobenzene | 146 | 18.000 | 18.006 | (1.045) | 266784 | 20.0000 | 18.41 | |
| | 83 n-Butylbenzene | 91 | 18.098 | 18.095 | (1.050) | 516017 | 20.0000 | 16.60 | |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 19.617 | 19.613 | (1.138) | 69592 | 20.0000 | 18.24 | |
| | 85 1,2,4-Trichlorobenzene | 180 | 21.312 | 21.319 | (1.237) | 196954 | 20.0000 | 17.69 | |
| | 86 Hexachlorobutadiene | 225 | 21.727 | 21.733 | (1.261) | 158605 | 20.0000 | 20.35 | |
| | 87 Napthalene | 128 | 21.786 | 21.773 | (1.264) | 368566 | 20.0000 | 17.55 | |
| | 88 1,2,3-Trichlorobenzene | 180 | 22.289 | 22.285 | (1.294) | 195976 | 20.0000 | 18.41 | |

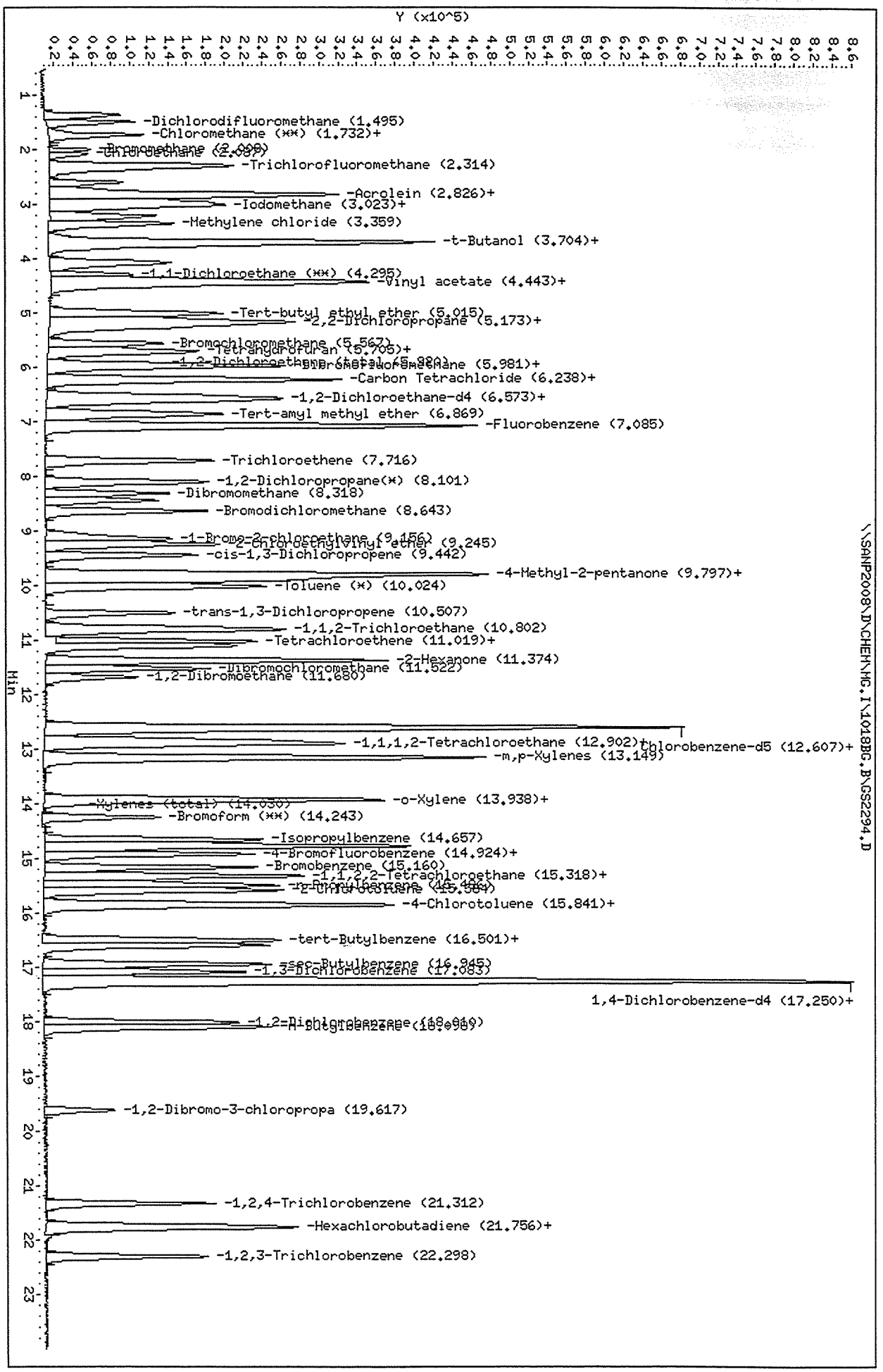
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2294.D
Date : 18-OCT-2000 22:44
Client ID:
Sample Info: 20 PPB 8260B,,,2,0,,,8260BGS.M

Column phase: J&W DB-624

Instrument: mg.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2295.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 18-OCT-2000 23:19
Operator : AD Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 53-2A;59-1,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Meth Date : 18-Oct-2000 23:45 +AwN( Quant Type: ISTD
Cal Date : 12-OCT-2000 17:03 Cal File: GS2269.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.501 | 1.501 | (0.212) | 568786 | 50.0000 | 91.05 |
| 3 Chloromethane (**) | 50 | 1.738 | 1.738 | (0.245) | 435654 | 50.0000 | 70.17 |
| 2 Vinyl chloride (*) | 62 | 1.738 | 1.738 | (0.245) | 444071 | 50.0000 | 69.03 |
| 4 Bromomethane | 94 | 1.994 | 1.994 | (0.282) | 171732 | 50.0000 | 55.99 |
| 5 Chloroethane | 64 | 2.073 | 2.073 | (0.293) | 150772 | 50.0000 | 56.51 |
| 6 Trichlorofluoromethane | 101 | 2.319 | 2.319 | (0.328) | 775239 | 50.0000 | 69.15 |
| 7 Acrolein | 56 | 2.743 | 2.743 | (0.387) | 379570 | 500.000 | 556.0(A) |
| 8 1,1-Dichloroethene(*) | 96 | 2.822 | 2.822 | (0.399) | 327491 | 50.0000 | 60.30 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.812 | 2.812 | (0.397) | 454292 | 50.0000 | 60.20 |
| 10 Acetone | 43 | 2.921 | 2.921 | (0.412) | 606342 | 250.000 | 281.3 |
| 11 Iodomethane | 142 | 2.980 | 2.980 | (0.421) | 1457062 | 100.000 | 164.1(A) |
| 12 Carbon disulfide | 76 | 3.029 | 3.029 | (0.428) | 1307205 | 50.0000 | 70.74 |
| 13 Methylene chloride | 84 | 3.364 | 3.364 | (0.475) | 381939 | 50.0000 | 55.35 |
| 14 t-Butanol | 59 | 3.640 | 3.640 | (0.514) | 278581 | 1250.00 | 1494 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acrylontrile | 53 | 3.700 | 3.700 | (0.522) | 1112846 | 500.000 | 565.3(A) |
| | 15 trans-1,2-Dichloroethene | 96 | 3.700 | 3.700 | (0.522) | 376088 | 50.0000 | 56.42 |
| | 19 Vinyl acetate | 43 | 4.439 | 4.439 | (0.627) | 2952052 | 100.000 | 111.0(A) |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.749 | 3.749 | (0.529) | 1057582 | 50.0000 | 52.73 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.311 | 4.311 | (0.609) | 865371 | 50.0000 | 54.26 |
| | 20 Isopropyl ether | 45 | 4.459 | 4.459 | (0.630) | 1965309 | 50.0000 | 55.51 |
| | 22 Tert-butyl ethyl ether | 59 | 5.031 | 5.031 | (0.710) | 1577479 | 50.0000 | 54.28 |
| | 21 2,2-Dichloropropane | 77 | 5.169 | 5.169 | (0.730) | 697727 | 50.0000 | 51.07 |
| | 23 cis-1,2-Dichloroethene | 96 | 5.198 | 5.198 | (0.734) | 408309 | 50.0000 | 53.77 |
| | 24 2-Butanone | 43 | 5.287 | 5.287 | (0.747) | 1258621 | 250.000 | 277.2 |
| | 25 Bromochloromethane | 128 | 5.563 | 5.563 | (0.786) | 236403 | 50.0000 | 57.69 |
| | 27 Tetrahydrofuran | 42 | 5.691 | 5.691 | (0.804) | 170826 | 50.0000 | 52.62 |
| | 26 Chloroform (*) | 83 | 5.731 | 5.731 | (0.809) | 855336 | 50.0000 | 51.38 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 784398 | 100.000 | 110.2 |
| $ | 29 Dibromofluoromethane | 111 | 5.977 | 5.977 | (0.844) | 712253 | 50.0000 | 55.23 |
| | 30 1,1,1-Trichloroethane | 97 | 5.967 | 5.967 | (0.843) | 706870 | 50.0000 | 52.48 |
| | 31 Carbon Tetrachloride | 117 | 6.243 | 6.243 | (0.882) | 634218 | 50.0000 | 52.50 |
| | 32 1,1-Dichloropropene | 75 | 6.253 | 6.253 | (0.883) | 653271 | 50.0000 | 50.70 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.519 | 6.519 | (0.921) | 599830 | 50.0000 | 56.59 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.519 | 6.519 | (0.921) | 115331 | 50.0000 | 59.08 |
| | 35 Benzene | 78 | 6.579 | 6.579 | (0.929) | 1260723 | 50.0000 | 53.39 |
| | 36 1,2-Dichloroethane | 62 | 6.648 | 6.648 | (0.939) | 651025 | 50.0000 | 51.49 |
| | 37 Tert-amyl methyl ether | 73 | 6.874 | 6.874 | (0.971) | 1301243 | 50.0000 | 50.85 |
| * | 38 Fluorobenzene | 96 | 7.081 | 7.081 | (1.000) | 1248208 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.722 | 7.722 | (1.090) | 473618 | 50.0000 | 51.86 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.097 | 8.097 | (1.143) | 589189 | 50.0000 | 50.15 |
| | 41 Dibromomethane | 93 | 8.314 | 8.314 | (1.174) | 430427 | 50.0000 | 51.12 |
| | 42 Bromodichloromethane | 83 | 8.649 | 8.649 | (1.221) | 915627 | 50.0000 | 50.43 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.250 | 9.250 | (1.306) | 144315 | 100.000 | 130.8(A) |
| | 43 1-Bromo-2-chloroethane | 63 | 9.152 | 9.152 | (1.292) | 1685437 | 50.0000 | 72.68 |
| | 45 cis-1,3-Dichloropropene | 75 | 9.448 | 9.448 | (1.334) | 757431 | 50.0000 | 48.55 |
| | 46 4-Methyl-2-pentanone | 43 | 9.812 | 9.812 | (1.386) | 3060325 | 250.000 | 256.3 |
| $ | 47 Toluene-d8 | 98 | 9.911 | 9.911 | (0.787) | 1111015 | 50.0000 | 51.06 |
| | 48 Toluene (*) | 91 | 10.029 | 10.029 | (0.796) | 1249858 | 50.0000 | 45.99 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.512 | 10.512 | (0.835) | 631557 | 50.0000 | 45.76 |
| | 50 1,1,2-Trichloroethane | 97 | 10.838 | 10.838 | (0.861) | 423429 | 50.0000 | 47.32 |
| | 51 Tetrachloroethene | 164 | 11.025 | 11.025 | (0.876) | 380590 | 50.0000 | 46.84 |
| | 52 1,3-Dichloropropane | 76 | 11.124 | 11.124 | (0.883) | 771446 | 50.0000 | 47.14 |
| | 53 2-Hexanone | 43 | 11.370 | 11.370 | (0.903) | 2141772 | 250.000 | 241.6 |
| | 54 Dibromochloromethane | 129 | 11.528 | 11.528 | (0.915) | 681958 | 50.0000 | 48.46 |
| | 55 1,2-Dibromoethane | 107 | 11.686 | 11.686 | (0.928) | 589742 | 50.0000 | 46.87 |
| * | 56 Chlorobenzene-d5 | 117 | 12.593 | 12.593 | (1.000) | 901954 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.652 | 12.652 | (1.005) | 855169 | 50.0000 | 45.81 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 12.839 | 12.839 | (1.020) | 467524 | 50.0000 | 46.78 |
| | 59 Ethylbenzene (*) | 106 | 12.908 | 12.908 | (1.025) | 415482 | 50.0000 | 44.90 |
| | 60 m,p-Xylenes | 106 | 13.165 | 13.165 | (1.045) | 917053 | 100.000 | 81.63 |
| | 61 o-Xylene | 106 | 13.914 | 13.914 | (1.105) | 447093 | 50.0000 | 40.67 |

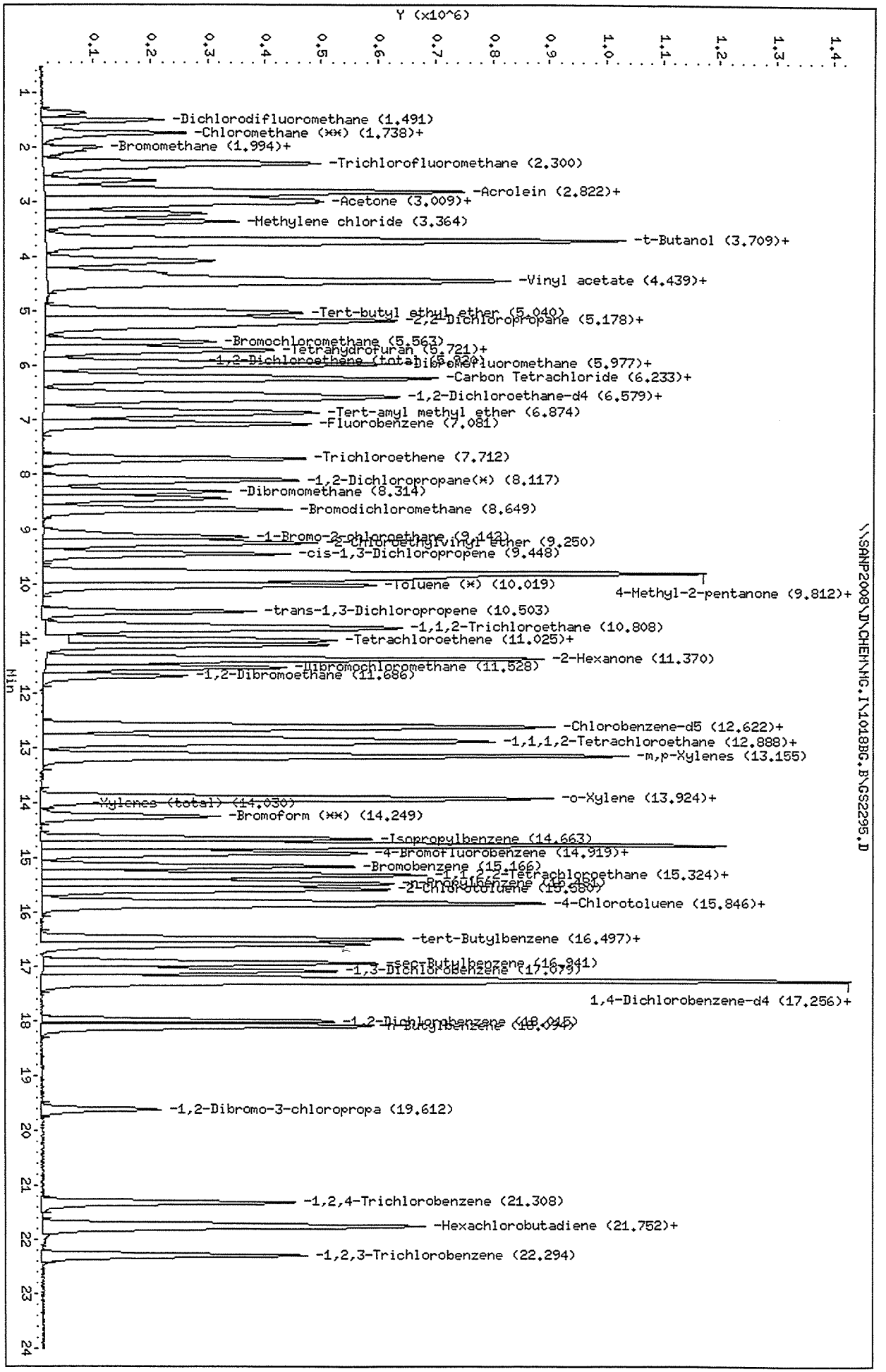
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 62 Styrene | 104 | 13.943 | 13.943 | (1.107) | 756984 | 50.0000 | 40.81 |
| M | 63 Xylenes (total) | 100 | | | | 1364146 | 150.000 | 122.3 |
| | 64 Bromoform (**) | 173 | 14.249 | 14.249 | (1.132) | 472108 | 50.0000 | 44.85 |
| | 65 Isopropylbenzene | 105 | 14.663 | 14.663 | (1.164) | 1328562 | 50.0000 | 39.63 |
| $ | 67 4-Bromofluorobenzene | 95 | 14.919 | 14.919 | (0.866) | 730371 | 50.0000 | 45.27 |
| | 66 4-Bromofluorobenzene-2nd | 174 | 14.919 | 14.919 | (0.866) | 420186 | 50.0000 | 48.25 |
| | 68 Bromobenzene | 156 | 15.166 | 15.166 | (0.880) | 409622 | 50.0000 | 45.66 |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.304 | 15.304 | (0.888) | 676956 | 50.0000 | 42.33 |
| | 70 1,2,3-Trichloropropane | 110 | 15.334 | 15.334 | (0.890) | 169300 | 50.0000 | 46.75 |
| | 71 n-Propylbenzene | 91 | 15.481 | 15.481 | (0.898) | 1718420 | 50.0000 | 41.59 |
| | 72 2-Chlorotoluene | 126 | 15.590 | 15.590 | (0.904) | 312739 | 50.0000 | 43.12 |
| | 73 4-Chlorotoluene | 126 | 15.827 | 15.827 | (0.918) | 307245 | 50.0000 | 43.23 |
| | 74 1,3,5-Trimethylbenzene | 105 | 15.866 | 15.866 | (0.920) | 1114712 | 50.0000 | 41.74 |
| | 75 tert-Butylbenzene | 119 | 16.497 | 16.497 | (0.957) | 1124722 | 50.0000 | 42.63 |
| | 76 1,2,4-Trimethylbenzene | 105 | 16.596 | 16.596 | (0.963) | 1110680 | 50.0000 | 41.10 |
| | 77 sec-Butylbenzene | 105 | 16.941 | 16.941 | (0.983) | 1528889 | 50.0000 | 40.64 |
| | 78 1,3-Dichlorobenzene | 146 | 17.089 | 17.089 | (0.991) | 645251 | 50.0000 | 41.81 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 17.236 | 17.236 | (1.000) | 473592 | 50.0000 | (Q) |
| | 80 1,4-Dichlorobenzene | 146 | 17.276 | 17.276 | (1.002) | 680183 | 50.0000 | 43.38 |
| | 81 p-Isopropyltoluene | 119 | 17.276 | 17.276 | (1.002) | 1141520 | 50.0000 | 40.57 |
| | 82 1,2-Dichlorobenzene | 146 | 18.005 | 18.005 | (1.045) | 642352 | 50.0000 | 43.77 |
| | 83 n-Butylbenzene | 91 | 18.104 | 18.104 | (1.050) | 1157079 | 50.0000 | 36.76 |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 19.612 | 19.612 | (1.138) | 185187 | 50.0000 | 47.93 |
| | 85 1,2,4-Trichlorobenzene | 180 | 21.318 | 21.318 | (1.237) | 464181 | 50.0000 | 41.19 |
| | 86 Hexachlorobutadiene | 225 | 21.732 | 21.732 | (1.261) | 367002 | 50.0000 | 46.52 |
| | 87 Napthalene | 128 | 21.782 | 21.782 | (1.264) | 924739 | 50.0000 | 43.48 |
| | 88 1,2,3-Trichlorobenzene | 180 | 22.294 | 22.294 | (1.293) | 472897 | 50.0000 | 43.88 |

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2295.D
Date : 18-OCT-2000 23:19
Client ID:
Sample Info: 50 PPB 8260B,,,3,0,,,8260BGS.M
Column phase: J&W DB-624

Instrument: mg.i
Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2296.D
Lab Smp Id: 100 PPB 8260B
Inj Date : 18-OCT-2000 23:54
Operator : AD Inst ID: mg.i
Smp Info : 100 PPB 8260B,,,4,0,,,8260BGS.M
Misc Info : 53-2A;59-1,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Meth Date : 19-Oct-2000 00:20 +AwN( Quant Type: ISTD
Cal Date : 12-OCT-2000 17:03 Cal File: GS2269.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.501 | 1.501 | (0.212) | 1078458 | 100.000 | 175.9 |
| 3 Chloromethane (**) | 50 | 1.748 | 1.738 | (0.247) | 816192 | 100.000 | 133.9 |
| 2 Vinyl chloride (*) | 62 | 1.738 | 1.738 | (0.246) | 897669 | 100.000 | 142.2 |
| 4 Bromomethane | 94 | 2.004 | 1.994 | (0.283) | 308441 | 100.000 | 102.4 |
| 5 Chloroethane | 64 | 2.073 | 2.073 | (0.293) | 209952 | 100.000 | 80.17 |
| 6 Trichlorofluoromethane | 101 | 2.310 | 2.319 | (0.327) | 1369282 | 100.000 | 124.4 |
| 7 Acrolein | 56 | 2.744 | 2.743 | (0.388) | 695072 | 1000.00 | 1037(A) |
| 8 1,1-Dichloroethene(*) | 96 | 2.813 | 2.822 | (0.398) | 615811 | 100.000 | 115.5 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.813 | 2.812 | (0.398) | 856570 | 100.000 | 115.6 |
| 10 Acetone | 43 | 2.941 | 2.921 | (0.416) | 1036091 | 500.000 | 489.8 |
| 11 Iodomethane | 142 | 2.970 | 2.980 | (0.420) | 2808192 | 200.000 | 322.3(A) |
| 12 Carbon disulfide | 76 | 3.029 | 3.029 | (0.428) | 2052372 | 100.000 | 113.2 |
| 13 Methylene chloride | 84 | 3.365 | 3.364 | (0.476) | 743559 | 100.000 | 109.8 |
| 14 t-Butanol | 59 | 3.680 | 3.640 | (0.520) | 474890 | 2500.00 | 2596 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acrylontrile | 53 | 3.720 | 3.700 | (0.526) | 1973635 | 1000.00 | 1021(A) |
| | 15 trans-1,2-Dichloroethene | 96 | 3.700 | 3.700 | (0.523) | 730783 | 100.000 | 111.7 |
| | 19 Vinyl acetate | 43 | 4.439 | 4.439 | (0.628) | 5729713 | 200.000 | 219.5(A) |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.759 | 3.749 | (0.532) | 1982654 | 100.000 | 100.7 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.311 | 4.311 | (0.610) | 1636710 | 100.000 | 104.6 |
| | 20 Isopropyl ether | 45 | 4.479 | 4.459 | (0.633) | 3677596 | 100.000 | 105.8 |
| | 22 Tert-butyl ethyl ether | 59 | 5.031 | 5.031 | (0.711) | 2991800 | 100.000 | 104.9 |
| | 21 2,2-Dichloropropane | 77 | 5.159 | 5.169 | (0.730) | 1303616 | 100.000 | 97.22 |
| | 23 cis-1,2-Dichloroethene | 96 | 5.199 | 5.198 | (0.735) | 790196 | 100.000 | 106.0 |
| | 24 2-Butanone | 43 | 5.297 | 5.287 | (0.749) | 2096489 | 500.000 | 470.5 |
| | 25 Bromochloromethane | 128 | 5.573 | 5.563 | (0.788) | 456848 | 100.000 | 113.6 |
| | 27 Tetrahydrofuran | 42 | 5.691 | 5.691 | (0.805) | 293597 | 100.000 | 92.15 |
| | 26 Chloroform (*) | 83 | 5.731 | 5.731 | (0.810) | 1646398 | 100.000 | 100.8 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 1520979 | 200.000 | 217.7 |
| $ | 29 Dibromofluoromethane | 111 | 5.987 | 5.977 | (0.847) | 1367950 | 100.000 | 108.1 |
| | 30 1,1,1-Trichloroethane | 97 | 5.968 | 5.967 | (0.844) | 1329884 | 100.000 | 100.6 |
| | 31 Carbon Tetrachloride | 117 | 6.224 | 6.243 | (0.880) | 1206052 | 100.000 | 101.7 |
| | 32 1,1-Dichloropropene | 75 | 6.234 | 6.253 | (0.881) | 1220705 | 100.000 | 96.52 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.510 | 6.519 | (0.921) | 1116045 | 100.000 | 107.3 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.510 | 6.519 | (0.921) | 224393 | 100.000 | 117.1 |
| | 35 Benzene | 78 | 6.579 | 6.579 | (0.930) | 2366744 | 100.000 | 102.1 |
| | 36 1,2-Dichloroethane | 62 | 6.638 | 6.648 | (0.939) | 1224992 | 100.000 | 98.71 |
| | 37 Tert-amyl methyl ether | 73 | 6.865 | 6.874 | (0.971) | 2521504 | 100.000 | 100.4 |
| * | 38 Fluorobenzene | 96 | 7.072 | 7.081 | (1.000) | 1225143 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.722 | 7.722 | (1.092) | 910913 | 100.000 | 101.6 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.107 | 8.097 | (1.146) | 1119985 | 100.000 | 97.12 |
| | 41 Dibromomethane | 93 | 8.314 | 8.314 | (1.176) | 827243 | 100.000 | 100.1 |
| | 42 Bromodichloromethane | 83 | 8.639 | 8.649 | (1.222) | 1740017 | 100.000 | 97.63 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.251 | 9.250 | (1.308) | 288074 | 200.000 | 266.1(A) |
| | 43 1-Bromo-2-chloroethane | 63 | 9.152 | 9.152 | (1.294) | 2077293 | 100.000 | 91.27(Q) |
| | 45 cis-1,3-Dichloropropene | 75 | 9.448 | 9.448 | (1.336) | 1465404 | 100.000 | 95.70 |
| | 46 4-Methyl-2-pentanone | 43 | 9.813 | 9.812 | (1.388) | 5469647 | 500.000 | 466.8 |
| $ | 47 Toluene-d8 | 98 | 9.901 | 9.911 | (0.786) | 2141944 | 100.000 | 100.6 |
| | 48 Toluene (*) | 91 | 10.030 | 10.029 | (0.796) | 2421238 | 100.000 | 91.03 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.503 | 10.512 | (0.834) | 1240311 | 100.000 | 91.82 |
| | 50 1,1,2-Trichloroethane | 97 | 10.828 | 10.838 | (0.860) | 825853 | 100.000 | 94.30 |
| | 51 Tetrachloroethene | 164 | 11.025 | 11.025 | (0.876) | 757663 | 100.000 | 95.27 |
| | 52 1,3-Dichloropropane | 76 | 11.114 | 11.124 | (0.883) | 1485636 | 100.000 | 92.77 |
| | 53 2-Hexanone | 43 | 11.370 | 11.370 | (0.903) | 3916297 | 500.000 | 451.4 |
| | 54 Dibromochloromethane | 129 | 11.528 | 11.528 | (0.915) | 1332225 | 100.000 | 96.73 |
| | 55 1,2-Dibromoethane | 107 | 11.686 | 11.686 | (0.928) | 1158814 | 100.000 | 94.10 |
| * | 56 Chlorobenzene-d5 | 117 | 12.593 | 12.593 | (1.000) | 882744 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.652 | 12.652 | (1.005) | 1684529 | 100.000 | 92.20 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 12.839 | 12.839 | (1.020) | 911831 | 100.000 | 93.22 |
| | 59 Ethylbenzene (*) | 106 | 12.908 | 12.908 | (1.025) | 832518 | 100.000 | 91.94 |
| | 60 m,p-Xylenes | 106 | 13.155 | 13.165 | (1.045) | 1981827 | 200.000 | 180.2 |
| | 61 o-Xylene | 106 | 13.904 | 13.914 | (1.104) | 988743 | 100.000 | 91.89 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 62 Styrene | 104 | 13.954 | 13.943 | (1.108) | 1660526 | 100.000 | 91.46 |
| M | 63 Xylenes (total) | 100 | | | | 2970571 | 300.000 | 272.1 |
| | 64 Bromoform (**) | 173 | 14.259 | 14.249 | (1.132) | 995254 | 100.000 | 96.61 |
| | 65 Isopropylbenzene | 105 | 14.654 | 14.663 | (1.164) | 2917098 | 100.000 | 88.91 |
| $ | 67 4-Bromofluorobenzene | 95 | 14.920 | 14.919 | (0.866) | 1619655 | 100.000 | 96.78 |
| | 66 4-Bromofluorobenzene-2nd | 174 | 14.920 | 14.919 | (0.866) | 926809 | 100.000 | 102.6 |
| | 68 Bromobenzene | 156 | 15.166 | 15.166 | (0.880) | 877547 | 100.000 | 94.28 |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.304 | 15.304 | (0.888) | 1396779 | 100.000 | 84.20 |
| | 70 1,2,3-Trichloropropane | 110 | 15.334 | 15.334 | (0.890) | 344829 | 100.000 | 91.79 |
| | 71 n-Propylbenzene | 91 | 15.482 | 15.481 | (0.899) | 3691711 | 100.000 | 86.12 |
| | 72 2-Chlorotoluene | 126 | 15.580 | 15.590 | (0.904) | 673877 | 100.000 | 89.57 |
| | 73 4-Chlorotoluene | 126 | 15.817 | 15.827 | (0.918) | 656047 | 100.000 | 88.98 |
| | 74 1,3,5-Trimethylbenzene | 105 | 15.866 | 15.866 | (0.921) | 2356948 | 100.000 | 85.07 |
| | 75 tert-Butylbenzene | 119 | 16.497 | 16.497 | (0.958) | 2350872 | 100.000 | 85.89 |
| | 76 1,2,4-Trimethylbenzene | 105 | 16.606 | 16.596 | (0.964) | 2343574 | 100.000 | 83.59 |
| | 77 sec-Butylbenzene | 105 | 16.941 | 16.941 | (0.983) | 3209700 | 100.000 | 82.24 |
| | 78 1,3-Dichlorobenzene | 146 | 17.079 | 17.089 | (0.991) | 1365611 | 100.000 | 85.29 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 17.227 | 17.236 | (1.000) | 491301 | 50.0000 | |
| | 80 1,4-Dichlorobenzene | 146 | 17.276 | 17.276 | (1.003) | 1410446 | 100.000 | 86.72 |
| | 81 p-Isopropyltoluene | 119 | 17.266 | 17.276 | (1.002) | 2401816 | 100.000 | 82.29 |
| | 82 1,2-Dichlorobenzene | 146 | 18.006 | 18.005 | (1.045) | 1316172 | 100.000 | 86.46 |
| | 83 n-Butylbenzene | 91 | 18.094 | 18.104 | (1.050) | 2541112 | 100.000 | 77.83 |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 19.613 | 19.612 | (1.139) | 331139 | 100.000 | 82.61 |
| | 85 1,2,4-Trichlorobenzene | 180 | 21.309 | 21.318 | (1.237) | 929600 | 100.000 | 79.51 |
| | 86 Hexachlorobutadiene | 225 | 21.723 | 21.732 | (1.261) | 710574 | 100.000 | 86.82 |
| | 87 Napthalene | 128 | 21.782 | 21.782 | (1.264) | 1732848 | 100.000 | 78.54 |
| | 88 1,2,3-Trichlorobenzene | 180 | 22.294 | 22.294 | (1.294) | 920022 | 100.000 | 82.28 |

QC Flag Legend

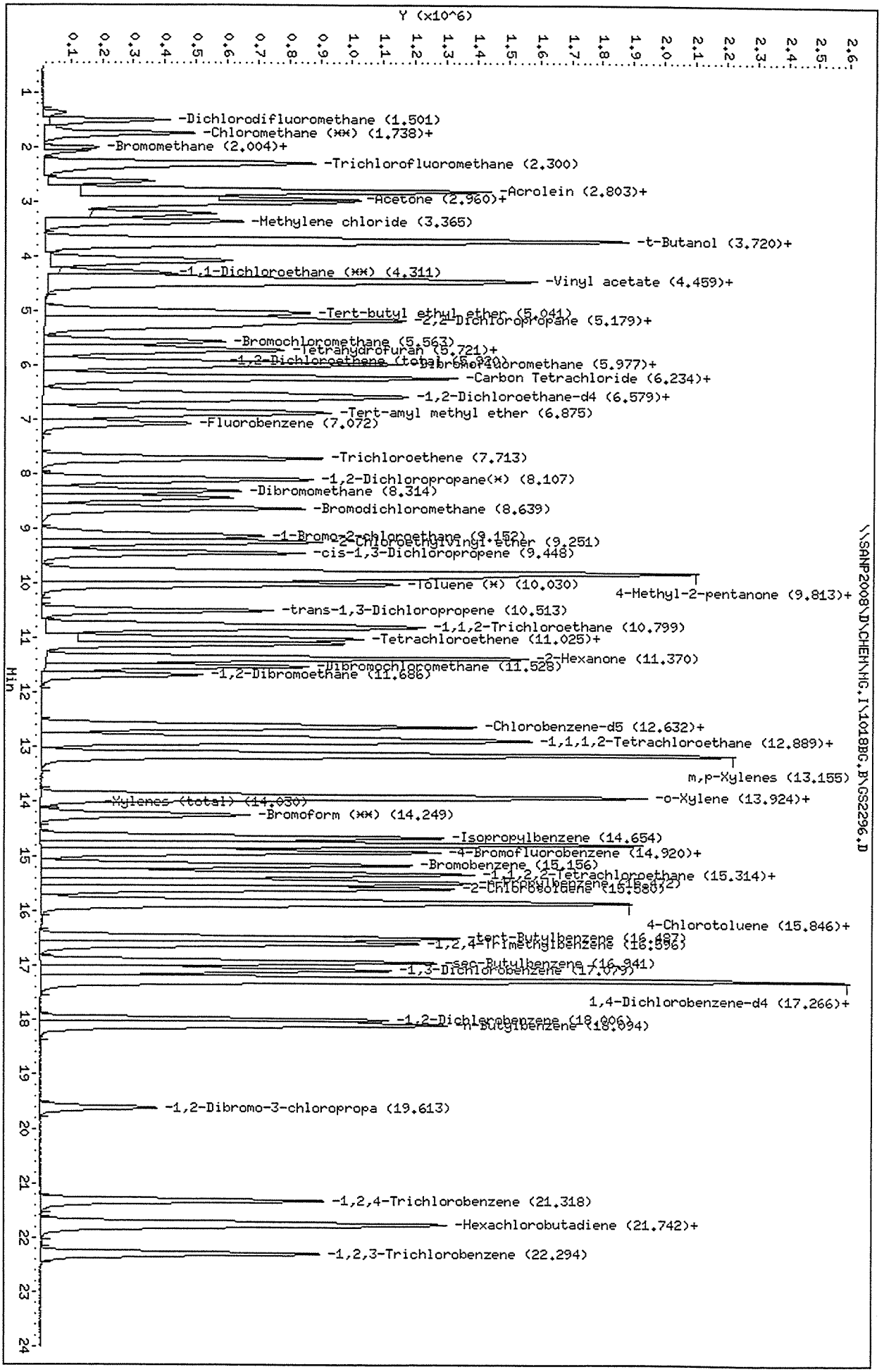
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2296.D
Date : 18-OCT-2000 23:54
Client ID:
Sample Info: 100 PPB 8260B,,,4,0,,,8260BGS.M

Column phase: J&W DB-624

Operator: AD
Column diameter: 0.53

Instrument: mg.i



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2297.D
Lab Smp Id: 400 PPB 8260B
Inj Date : 19-OCT-2000 00:29
Operator : AD Inst ID: mg.i
Smp Info : 400 PPB 8260B,,,5,0,,,8260BGS.M
Misc Info : 53-2A;59-1,,5,,1,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1018BG.B\8260BGS.m
Meth Date : 19-Oct-2000 00:55 +AwN( Quant Type: ISTD
Cal Date : 12-OCT-2000 17:03 Cal File: GS2269.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.522 | 1.501 | (0.215) | 3971230 | 400.000 | 672.9(A) |
| 3 Chloromethane (**) | 50 | 1.759 | 1.738 | (0.249) | 3115368 | 400.000 | 531.1(A) |
| 2 Vinyl chloride (*) | 62 | 1.749 | 1.738 | (0.247) | 3090020 | 400.000 | 508.5(A) |
| 4 Bromomethane | 94 | 2.015 | 1.994 | (0.285) | 1016800 | 400.000 | 350.9 |
| 5 Chloroethane | 64 | 2.074 | 2.073 | (0.293) | 656411 | 400.000 | 260.4 |
| 6 Trichlorofluoromethane | 101 | 2.281 | 2.319 | (0.323) | 1560787 | 400.000 | 147.4 |
| 7 Acrolein | 56 | 2.774 | 2.743 | (0.392) | 2082903 | 4000.00 | 3230(A) |
| 8 1,1-Dichloroethene(*) | 96 | 2.774 | 2.822 | (0.392) | 1905891 | 400.000 | 371.5 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.755 | 2.812 | (0.389) | 2596089 | 400.000 | 364.2 |
| 10 Acetone | 43 | 3.041 | 2.921 | (0.430) | 3460965 | 2000.00 | 1700 |
| 11 Iodomethane | 142 | 2.932 | 2.980 | (0.415) | 8955115 | 800.000 | 1068(A) |
| 12 Carbon disulfide | 76 | 2.981 | 3.029 | (0.422) | 6461009 | 400.000 | 370.1 |
| 13 Methylene chloride | 84 | 3.366 | 3.364 | (0.476) | 2646639 | 400.000 | 406.0(A) |
| 14 t-Butanol | 59 | 3.681 | 3.640 | (0.520) | 150635 | 10000.0 | 855.4(Q) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 15 trans-1,2-Dichloroethene | 96 | 3.681 | 3.700 | (0.520) | 2645211 | 400.000 | 420.1(A) |
| | 19 Vinyl acetate | 43 | 4.480 | 4.439 | (0.633) | 19957534 | 800.000 | 794.5(A) |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.819 | 3.749 | (0.540) | 6987092 | 400.000 | 368.8 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.312 | 4.311 | (0.610) | 5933342 | 400.000 | 393.8 |
| | 20 Isopropyl ether | 45 | 4.549 | 4.459 | (0.643) | 12950897 | 400.000 | 387.2 |
| | 22 Tert-butyl ethyl ether | 59 | 5.091 | 5.031 | (0.720) | 10964487 | 400.000 | 399.4 |
| | 21 2,2-Dichloropropane | 77 | 5.160 | 5.169 | (0.730) | 4617286 | 400.000 | 357.7 |
| | 23 cis-1,2-Dichloroethene | 96 | 5.210 | 5.198 | (0.737) | 2861244 | 400.000 | 398.8 |
| | 24 2-Butanone | 43 | 5.407 | 5.287 | (0.764) | 7932263 | 2000.00 | 1849 |
| | 27 Tetrahydrofuran | 42 | 5.771 | 5.691 | (0.816) | 1121247 | 400.000 | 365.6 |
| | 26 Chloroform (*) | 83 | 5.762 | 5.731 | (0.815) | 6048270 | 400.000 | 384.6 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 5506455 | 800.000 | 818.9 |
| $ | 29 Dibromofluoromethane | 111 | 6.018 | 5.977 | (0.851) | 5158873 | 400.000 | 423.4(A) |
| | 30 1,1,1-Trichloroethane | 97 | 5.939 | 5.967 | (0.840) | 4834685 | 400.000 | 380.0 |
| | 31 Carbon Tetrachloride | 117 | 6.205 | 6.243 | (0.877) | 4333575 | 400.000 | 379.7 |
| | 32 1,1-Dichloropropene | 75 | 6.225 | 6.253 | (0.880) | 4309794 | 400.000 | 354.0 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.531 | 6.519 | (0.923) | 3726085 | 400.000 | 372.1 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.531 | 6.519 | (0.923) | 738113 | 400.000 | 400.2(A) |
| | 35 Benzene | 78 | 6.560 | 6.579 | (0.927) | 7372625 | 400.000 | 330.5 |
| | 36 1,2-Dichloroethane | 62 | 6.659 | 6.648 | (0.941) | 4085389 | 400.000 | 342.0 |
| | 37 Tert-amyl methyl ether | 73 | 6.905 | 6.874 | (0.976) | 8059414 | 400.000 | 333.4 |
| * | 38 Fluorobenzene | 96 | 7.073 | 7.081 | (1.000) | 1179231 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.704 | 7.722 | (1.089) | 3318084 | 400.000 | 384.5 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.108 | 8.097 | (1.146) | 4095192 | 400.000 | 368.9 |
| | 41 Dibromomethane | 93 | 8.325 | 8.314 | (1.177) | 2837638 | 400.000 | 356.8 |
| | 42 Bromodichloromethane | 83 | 8.650 | 8.649 | (1.223) | 6229052 | 400.000 | 363.1 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.271 | 9.250 | (1.311) | 1139803 | 800.000 | 1094(A) |
| | 43 1-Bromo-2-chloroethane | 63 | 9.153 | 9.152 | (1.294) | 7257760 | 400.000 | 331.3(Q) |
| | 45 cis-1,3-Dichloropropene | 75 | 9.459 | 9.448 | (1.337) | 5470670 | 400.000 | 371.2 |
| | 46 4-Methyl-2-pentanone | 43 | 9.883 | 9.812 | (1.397) | 18516404 | 2000.00 | 1642 |
| $ | 47 Toluene-d8 | 98 | 9.922 | 9.911 | (0.787) | 7288647 | 400.000 | 357.4 |
| | 48 Toluene (*) | 91 | 10.031 | 10.029 | (0.796) | 8687353 | 400.000 | 341.1 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.514 | 10.512 | (0.834) | 4700352 | 400.000 | 363.4 |
| | 50 1,1,2-Trichloroethane | 97 | 10.849 | 10.838 | (0.861) | 2954656 | 400.000 | 352.3 |
| | 51 Tetrachloroethene | 164 | 11.017 | 11.025 | (0.874) | 2651522 | 400.000 | 348.2 |
| | 52 1,3-Dichloropropane | 76 | 11.125 | 11.124 | (0.883) | 5279736 | 400.000 | 344.3 |
| | 53 2-Hexanone | 43 | 11.441 | 11.370 | (0.908) | 13331965 | 2000.00 | 1605 |
| | 54 Dibromochloromethane | 129 | 11.549 | 11.528 | (0.916) | 4701512 | 400.000 | 356.5 |
| | 55 1,2-Dibromoethane | 107 | 11.697 | 11.686 | (0.928) | 4171134 | 400.000 | 353.7 |
| * | 56 Chlorobenzene-d5 | 117 | 12.604 | 12.593 | (1.000) | 845289 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.653 | 12.652 | (1.004) | 6071235 | 400.000 | 347.0 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 12.850 | 12.839 | (1.020) | 3256794 | 400.000 | 347.7 |
| | 59 Ethylbenzene (*) | 106 | 12.919 | 12.908 | (1.025) | 2790537 | 400.000 | 321.8 |
| | 60 m,p-Xylenes | 106 | 13.156 | 13.165 | (1.044) | 6720759 | 800.000 | 638.3 |
| | 61 o-Xylene | 106 | 13.905 | 13.914 | (1.103) | 3404640 | 400.000 | 330.4 |
| | 62 Styrene | 104 | 13.955 | 13.943 | (1.107) | 5676307 | 400.000 | 326.5 |
| M | 63 Xylenes (total) | 100 | | | | 10125400 | 1200.00 | 968.8 |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 64 Bromoform (**) | 173 | 14.280 | 14.249 | (1.133) | 3605303 | 400.000 | 365.5 |
| 65 Isopropylbenzene | 105 | 14.665 | 14.663 | (1.163) | 9791592 | 400.000 | 311.7 |
| $ 67 4-Bromofluorobenzene | 95 | 14.941 | 14.919 | (0.866) | 5265202 | 400.000 | 383.8 |
| 66 4-Bromofluorobenzene-2nd | 174 | 14.950 | 14.919 | (0.867) | 3177152 | 400.000 | 429.0(A) |
| 68 Bromobenzene | 156 | 15.177 | 15.166 | (0.880) | 3018603 | 400.000 | 395.6 |
| 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.335 | 15.304 | (0.889) | 4667630 | 400.000 | 343.2 |
| 70 1,2,3-Trichloropropane | 110 | 15.365 | 15.334 | (0.891) | 1181030 | 400.000 | 383.5 |
| 71 n-Propylbenzene | 91 | 15.493 | 15.481 | (0.898) | 11834825 | 400.000 | 336.8 |
| 72 2-Chlorotoluene | 126 | 15.601 | 15.590 | (0.905) | 2086120 | 400.000 | 338.2 |
| 73 4-Chlorotoluene | 126 | 15.828 | 15.827 | (0.918) | 2236774 | 400.000 | 370.0 |
| 74 1,3,5-Trimethylbenzene | 105 | 15.877 | 15.866 | (0.921) | 7508491 | 400.000 | 330.6 |
| 75 tert-Butylbenzene | 119 | 16.498 | 16.497 | (0.957) | 7864990 | 400.000 | 350.5 |
| 76 1,2,4-Trimethylbenzene | 105 | 16.607 | 16.596 | (0.963) | 7801092 | 400.000 | 339.4 |
| 77 sec-Butylbenzene | 105 | 16.942 | 16.941 | (0.982) | 9946961 | 400.000 | 310.9 |
| 78 1,3-Dichlorobenzene | 146 | 17.100 | 17.089 | (0.991) | 4350958 | 400.000 | 331.5 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.248 | 17.236 | (1.000) | 402771 | 50.0000 | (Q) |
| 80 1,4-Dichlorobenzene | 146 | 17.297 | 17.276 | (1.003) | 4267421 | 400.000 | 320.0 |
| 81 p-Isopropyltoluene | 119 | 17.267 | 17.276 | (1.001) | 7167185 | 400.000 | 299.5 |
| 83 n-Butylbenzene | 91 | 18.105 | 18.104 | (1.050) | 7687944 | 400.000 | 287.2 |
| 84 1,2-Dibromo-3-chloropropane | 157 | 19.624 | 19.612 | (1.138) | 1237282 | 400.000 | 376.5 |
| 85 1,2,4-Trichlorobenzene | 180 | 21.320 | 21.318 | (1.236) | 3431519 | 400.000 | 358.0 |
| 86 Hexachlorobutadiene | 225 | 21.744 | 21.732 | (1.261) | 2461111 | 400.000 | 366.8 |
| 87 Napthalene | 128 | 21.793 | 21.782 | (1.264) | 6035026 | 400.000 | 333.6 |
| 88 1,2,3-Trichlorobenzene | 180 | 22.306 | 22.294 | (1.293) | 3306219 | 400.000 | 360.7 |

QC Flag Legend

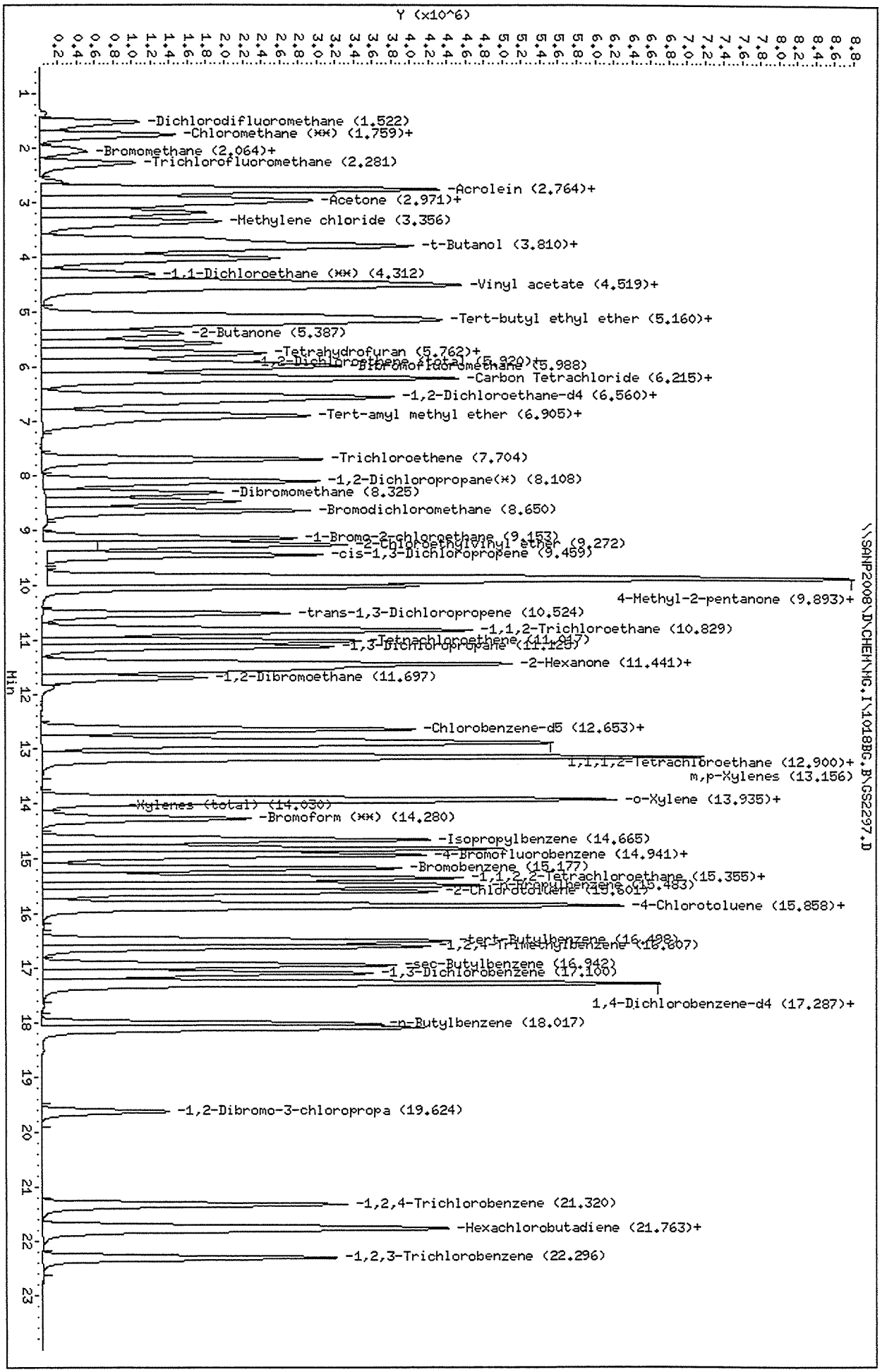
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1018BG.B\GS2297.D
Date : 19-OCT-2000 00:29
Client ID:
Sample Info: 400 PPB 8260B,,5.0,,8260BGS.M

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53



# 8260B SAMPLE / QC DATA

DATE ANALYZED: 10-14-2000

INSTRUMENT ID: MC

SAMPLES: EU J100272



BOE-C6-0167435

FJK 10/26/00

Batch ID: 0290380

# GC/MS VOA Run Log

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

| Inst ID: MSC | EM Set: 1647 | Tune File: BFB U | Seq File: 10114/AC |
|---|---|---|---|
| Init. Cal ID: V260BCL - 10/13/2000 | | | Date: 10/14/2000 |

| Inj. Time | Analyst | File ID | Work Order # | AS # | Matrix | Sample Wt/Vol | Dil. | I.S. | Run | Rerun | pH | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8:53 | AD | CT1205 | 50ng BFB | | | 1µL | | | ✓ | | | MSV0A1198-1 |
| 9:08 | | CS2050 | 10ppb 876013 | 1 | L | 25mL | 1.0 | 171 | ✓ | | | I1254-1; S1254-2; SD1254-2 |
| 9:47 | | CO9804 | LCS 1014AC | 2 | | | | 161 | ✓ | | | O-C1253-1 |
| 10:17 | | 05 | MB1014AC | 3 | | | | 157 | ✓ | | | |
| 10:49 | | 06 | DMIC71AA | 3 | | | | 151 | ✓ | | 2 | EOJ110288-9 |
| 11:19 | | 07 | DLJJV101 | 4 | | | | 153 | ✓ | | | EOJ041032-1 |
| 11:49 | | 08 | DLJL0101 | 5 | | | | 147 | ✓ | | | 23 |
| 12:19 | | 09 | DLW72101 | 6 | | | | 137 | ✓ | ✓ | | MDBE 121 EOJ 100272-21 |
| 12:49 | | 10 | DLV741AA | 7 | | | | 132 | ✓ | | | -24 |
| 13:20 | | 11 | DM3H81AD | 4 | | 2mL | 12.5 | 142 | ✓ | ✓ | | Chloroform 108 EOJ 120322-1 |
| 13:50 | | 12 | DM3K11AA | 5 | | 25mL | 1.0 | 137 | ✓ | | | EOJ120326-01 |
| 14:20 | | 13 | DM3LG1AA | 6 | | ↓ | ↓ | 115 | ✓ | | | -02 |
| 14:50 | | 14 | DMICT1AA | 7 | | 250µL | 100 | 143 | ✓ | | | EOJ120288-1 |
| 15:20 | | 15 | DMICW1AA | 8 | | 20µL | 1250 | 137 | ✓ | | | -2 |
| 15:49 | | 16 | DMICK1AA | 9 | | ↓ | ↓ | 135 | ✓ | | | -3 |
| 16:19 | | 17 | DMICO1AA | 10 | | 10µL | 2500 | 116 | ✓ | | | -4 |
| 16:49 | | 18 | DMIC21AA | 11 | | ↓ | ↓ | 137 | ✓ | | | -5 |
| 17:19 | | 19 | DMICL1AA | 12 | | 1µL | 20000 | 137 | ✓ | | | -6 |
| 17:49 | | 20 | DMICF1AA | 13 | | 1:5DIL - 1µL | 125000 | 133 | ✓ | | | -7 |
| 18:19 | | 21 | DMIC61AA | 14 | | 25mL | 1.0 | 142 | ✓ | | | -8 |
| 18:49 | | 22 | DM3JT1ASS | 15 | | | | 129 | ✓ | | | EOJ120326-1MS |
| 19:19 | | 23 | DM3JT1APP | 16 | | | | 147 | ✓ | | | 1MSD |
| 19:49 | | 24 | DMICW1ABS | 1 | | 20µL | 125 | 148 | ✓ | | | EOJ110288-2MS |
| 20:19 | | 25 | DMICW1ACD | 2 | | ↓ | | 149 | ✓ | | | 2MSD |
| 20:49 | ↓ | CO9P26 | DM2XM1AA | 3 | ↓ | 2.5mL | 10.0 | 142 | ✓ | | ✓ | UOJ120288-1 |

000315



BOE-C6-0167436

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02609

Lab File ID (Standard): CS2050 Date Analyzed: 10/14/00

Instrument ID: MC Time Analyzed: 0908

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

| | | IS1 AREA # | RT | IS2(CBZ) AREA # | RT | IS3(DCB) AREA # | RT |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1715078 | 8.03 | 1233700 | 13.49 | 765106 | 18.12 |
| | UPPER LIMIT | 3430156 | 8.53 | 2467400 | 13.99 | 1530212 | 18.62 |
| | LOWER LIMIT | 857539 | 7.53 | 616850 | 12.99 | 382553 | 17.62 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | C09804 | 1612504 | 8.02 | 1173487 | 13.49 | 732722 | 18.13 |
| 02 | C09805 | 1571670 | 8.03 | 1190332 | 13.49 | 709605 | 18.13 |
| 03 | C09806 | 1519238 | 8.02 | 1119411 | 13.49 | 646725 | 18.12 |
| 04 | C09807 | 1536583 | 8.03 | 1155439 | 13.49 | 696055 | 18.12 |
| 05 | C09808 | 1472752 | 8.02 | 1109986 | 13.49 | 664323 | 18.13 |
| 06 | C09809 | 1371254 | 8.04 | 955828 | 13.50 | 559251 | 18.13 |
| 07 | C09810 | 1561748 | 8.03 | 1140402 | 13.50 | 691669 | 18.13 |
| 08 | C09811 | 1426453 | 8.03 | 1074829 | 13.49 | 643535 | 18.13 |
| 09 | C09812 | 1371226 | 8.03 | 996850 | 13.50 | 610335 | 18.14 |
| 10 | C09813 | 1159621 | 8.04 | 850731 | 13.50 | 521026 | 18.14 |
| 11 | C09814 | 1431502 | 8.04 | 1037438 | 13.49 | 640955 | 18.12 |
| 12 | C09815 | 1378826 | 8.03 | 1014597 | 13.49 | 617955 | 18.13 |
| 13 | C09816 | 1354136 | 8.03 | 998939 | 13.50 | 587856 | 18.12 |
| 14 | C09817 | 1165462 | 8.03 | 884842 | 13.50 | 546498 | 18.13 |
| 15 | C09818 | 1374133 | 8.03 | 1026435 | 13.49 | 620777 | 18.12 |
| 16 | C09819 | 1370646 | 8.03 | 1023287 | 13.49 | 614258 | 18.13 |
| 17 | C09820 | 1339080 | 8.03 | 989453 | 13.49 | 585445 | 18.13 |
| 18 | C09821 | 1424695 | 8.03 | 1080435 | 13.50 | 657546 | 18.12 |
| 19 | C09822 | 1291582 | 8.04 | 971606 | 13.50 | 623497 | 18.13 |
| 20 | C09823 | 1477444 | 8.02 | 1095134 | 13.49 | 690757 | 18.13 |
| 21 | C09824 | 1486177 | 8.03 | 1107289 | 13.50 | 708975 | 18.12 |
| 22 | C09825 | 1495018 | 8.02 | 1142232 | 13.49 | 702346 | 18.11 |

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

# Column used to flag internal standard area values with an asterisk.



FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02609

Lab File ID (Standard): CS2050 Date Analyzed: 10/14/00

Instrument ID: MC Time Analyzed: 0908

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

| | | IS1 AREA # | RT | IS2(CBZ) AREA # | RT | IS3(DCB) AREA # | RT |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1715078 | 8.03 | 1233700 | 13.49 | 765106 | 18.12 |
| | UPPER LIMIT | 3430156 | 8.53 | 2467400 | 13.99 | 1530212 | 18.62 |
| | LOWER LIMIT | 857539 | 7.53 | 616850 | 12.99 | 382553 | 17.62 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | C09826 | 1428142 | 8.01 | 1101180 | 13.49 | 683203 | 18.14 |
| 02 | C09826 | 1401537 | 8.03 | 1050012 | 13.49 | 637106 | 18.13 |
| 03 | C09826 | 1214450 | 8.03 | 930217 | 13.50 | 568222 | 18.12 |
| 04 | C09826 | 1112456 | 8.03 | 839714 | 13.50 | 511426 | 18.13 |
| 05 | C09826 | 1369641 | 8.03 | 1027060 | 13.49 | 621302 | 18.13 |
| 06 | | | | | | | |
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| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

# Column used to flag internal standard area values with an asterisk.



FORM VIII VOA 1/87 Rev.

STL Los Angeles

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\CT1205.D
Lab Smp Id:
Inj Date : 14-OCT-2000 08:53
Operator : AD Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : ,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\BFB.M
Meth Date : 23-May-2000 08:08 kentf Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vf * VI

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | ng unit correction factor |
| Vf | 1.000 | Volumetric correction factor |
| VI | 1.000 | Injection Volume |

| RT | EXP RT | (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 p-Bromofluorobenzene | | | | | | CAS #: 460-00-4 | | |
| 2.1458 | 2.1000 | (0.000) | 95 | 75389 | | | 0.00- 100.00 | 100.00 |
| 2.1458 | 2.1000 | (0.000) | 50 | 17312 | | | 15.00- 40.00 | 22.96 |
| 2.1458 | 2.1000 | (0.000) | 75 | 41386 | | | 30.00- 60.00 | 54.90 |
| 2.1458 | 2.1000 | (0.000) | 96 | 5464 | | | 5.00- 9.00 | 7.25 |
| 2.1458 | 2.1000 | (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 2.1458 | 2.1000 | (0.000) | 174 | 66762 | | | 50.00- 0.00 | 88.56 |
| 2.1458 | 2.1000 | (0.000) | 175 | 5013 | | | 5.00- 9.00 | 7.51 |
| 2.1458 | 2.1000 | (0.000) | 176 | 65290 | | | 95.00- 101.00 | 97.80 |
| 2.1458 | 2.1000 | (0.000) | 177 | 4504 | | | 5.00- 9.00 | 6.90 |

M 10/14/2000

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\CT1205.D

Date : 14-OCT-2000 08:53

Client ID:

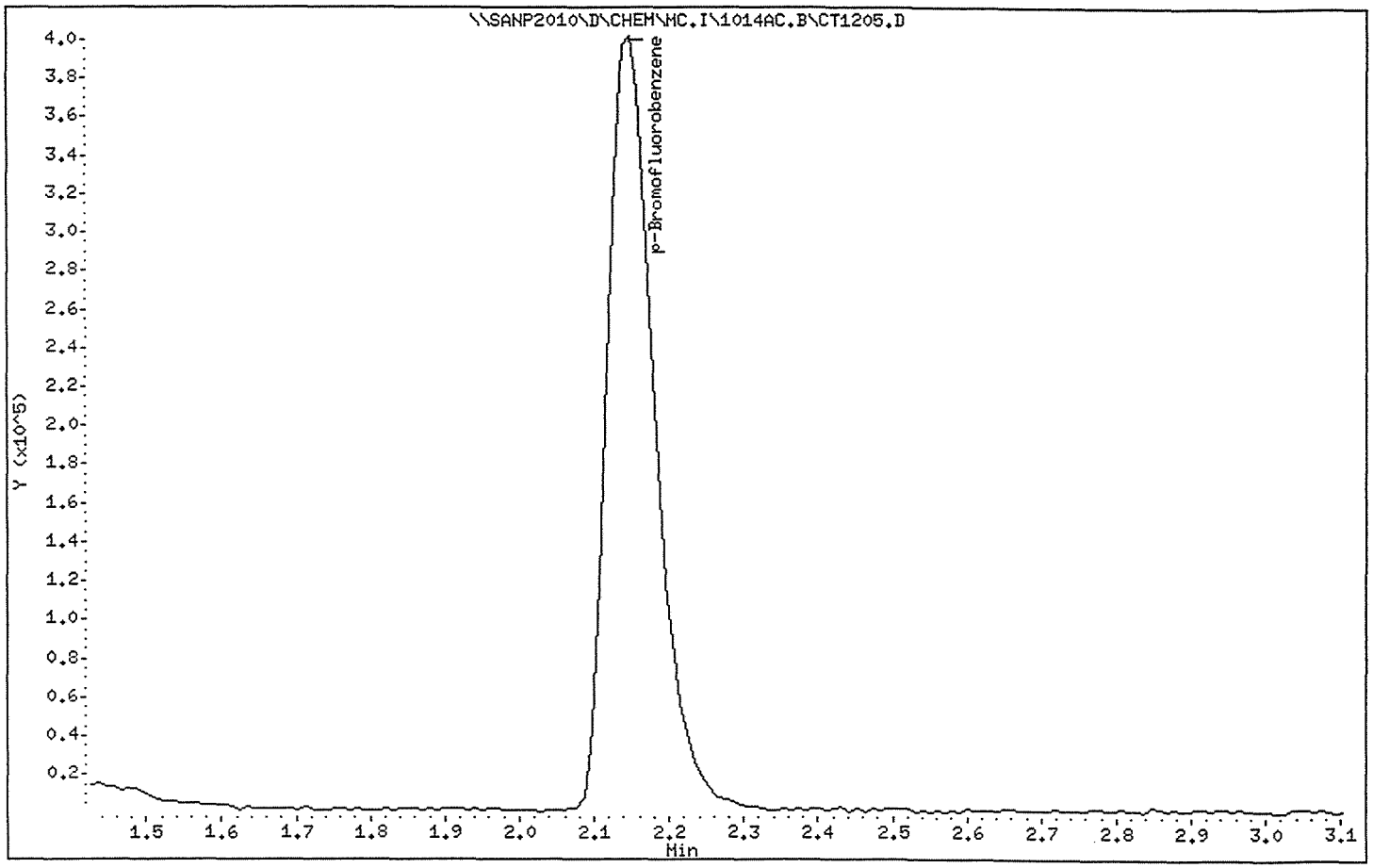
Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\CT1205.D



Date : 14-OCT-2000 08:53

Client ID:

Instrument: mc.i

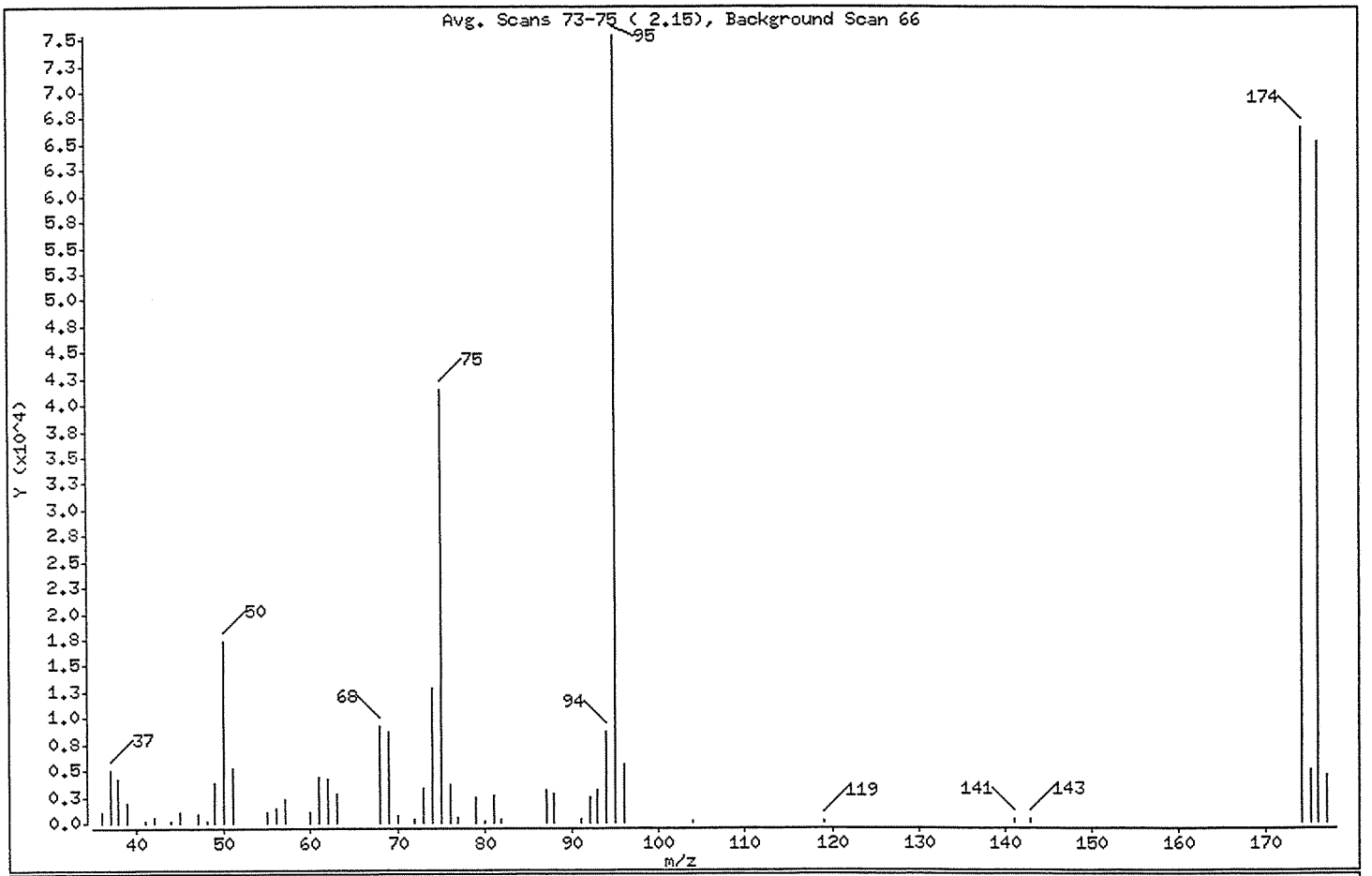
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 p-Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 22.96 |
| 75 | 30.00 - 60.00% of mass 95 | 54.90 |
| 96 | 5.00 - 9.00% of mass 95 | 7.25 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 88.56 |
| 175 | 5.00 - 9.00% of mass 174 | 6.65 ( 7.51) |
| 176 | 95.00 - 101.00% of mass 174 | 86.60 ( 97.80) |
| 177 | 5.00 - 9.00% of mass 176 | 5.97 ( 6.90) |

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\CT1205.D

Date : 14-OCT-2000 08:53

Client ID:

Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1205.D
Spectrum: Avg. Scans 73-75 ( 2.15), Background Scan 66
Location of Maximum: 95.00
Number of points: 49

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1071 | 55.00 | 1058 | 75.00 | 41384 | 95.00 | 75384 |
| 37.00 | 5079 | 56.00 | 1458 | 76.00 | 3577 | 96.00 | 5464 |
| 38.00 | 4187 | 57.00 | 2234 | 77.00 | 459 | 104.00 | 171 |
| 39.00 | 1988 | 60.00 | 1102 | 79.00 | 2405 | 119.00 | 171 |
| 41.00 | 173 | 61.00 | 4350 | 80.00 | 245 | 141.00 | 388 |
| 42.00 | 542 | 62.00 | 4105 | 81.00 | 2622 | 143.00 | 260 |
| 44.00 | 249 | 63.00 | 2738 | 82.00 | 380 | 174.00 | 66760 |
| 45.00 | 1062 | 68.00 | 9148 | 87.00 | 3177 | 175.00 | 5013 |
| 47.00 | 823 | 69.00 | 8583 | 88.00 | 2831 | 176.00 | 65288 |
| 48.00 | 195 | 70.00 | 769 | 91.00 | 417 | 177.00 | 4504 |
| 49.00 | 3781 | 72.00 | 356 | 92.00 | 2360 | | |
| 50.00 | 17312 | 73.00 | 3237 | 93.00 | 3050 | | |
| 51.00 | 5176 | 74.00 | 12801 | 94.00 | 8719 | | |

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2010\D\chem\mc.i\1014AC.B/CS2050.D
Inj. Date : 14-OCT-2000 09:08

ICAL Mid Point : //SANP2010/D/chem/mc.i/1013BC.B/CS2047.D
Inj. Date : 13-OCT-2000 18:30

| IS NAME | ICAL RT | CCV RT | DIFF. | ICAL AREA | CCV AREA | %DIFF. |
|---|---|---|---|---|---|---|
| Fluorobenzene | 8.02 | 8.03 | -0.01 | 1611523 | 1715078 | 106.4% |
| Chlorobenzene-d5 | 13.49 | 13.49 | -0.00 | 1203388 | 1233700 | 102.5% |
| 1,4-Dichlorobenzene-d4 | 18.11 | 18.12 | -0.01 | 758273 | 765106 | 100.9% |

8260B Area difference criteria: 50%-200%

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2050.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m

Injection Date: 14-OCT-2000 09:08
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

M 10/14/00

| | COMPOUND | RRF | RF10 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 1 Dichlorodifluoromethane | 0.47812 | 0.42756 | 0.010 | -10.6 | 50.0 | |
| | 2 Chloromethane (**) | 0.17821 | 0.16461 | 0.100 | -7.6 | 50.0 | |
| | 3 Vinyl chloride (*) | 0.21289 | 0.20806 | 0.010 | -2.3 | 20.0 | |
| | 4 Bromomethane | 0.22509 | 0.21999 | 0.010 | -2.3 | 50.0 | |
| | 5 Chloroethane | 0.13761 | 0.13969 | 0.010 | 1.5 | 50.0 | |
| | 6 Trichlorofluoromethane | 0.79484 | 0.78304 | 0.010 | -1.5 | 50.0 | |
| | 7 Acrolein | 0.01737 | 0.01673 | 0.010 | -3.7 | 50.0 | |
| | 8 1,1-Dichloroethene(*) | 0.28621 | 0.28565 | 0.010 | -0.2 | 20.0 | |
| | 9 1,1,2-Trichlorotrifluoroeth | 0.47679 | 0.46473 | 0.010 | -2.5 | 50.0 | |
| | 10 Iodomethane | 0.51178 | 0.49515 | 0.010 | -3.2 | 50.0 | |
| | 11 Acetone | 0.02094 | 0.02089 | 0.010 | -0.2 | 50.0 | |
| | 12 Carbon disulfide | 0.56701 | 0.55864 | 0.010 | -1.5 | 50.0 | |
| | 13 Methylene chloride | 0.22775 | 0.23283 | 0.010 | 2.2 | 50.0 | |
| | 14 Acrylonitrile | 0.00290 | 0.00298 | 0.010 | 2.9 | 50.0 | <- |
| | 15 t-Butanol | 0.00522 | 0.00394 | 0.010 | -24.5 | 20.0 | <- |
| | 16 Vinyl acetate | 0.30083 | 0.25589 | 0.010 | -14.9 | 50.0 | |
| | 17 trans-1,2-Dichloroethene | 0.32739 | 0.32614 | 0.010 | -0.4 | 20.0 | |
| | 18 Methyl-tert-butyl ether[MTB | 0.28643 | 0.26661 | 0.010 | -6.9 | 50.0 | |
| | 19 1,1-Dichloroethane (**) | 0.52501 | 0.50976 | 0.100 | -2.9 | 20.0 | |
| | 20 Isopropyl ether | 0.69947 | 0.66806 | 0.010 | -4.5 | 20.0 | |
| | 21 Tert-butyl ethyl ether | 0.56109 | 0.59505 | 0.010 | 6.1 | 20.0 | |
| M | 22 1,2-Dichloroethene (total) | 0.31727 | 0.33069 | 0.010 | 4.2 | 20.0 | |
| | 23 2,2-Dichloropropane | 0.31788 | 0.22894 | 0.010 | -28.0 | 50.0 | |
| | 24 cis-1,2-Dichloroethene | 0.30715 | 0.33524 | 0.010 | 9.1 | 20.0 | |
| | 25 2-Butanone | 0.02365 | 0.02165 | 0.010 | -8.5 | 50.0 | |
| | 26 Bromochloromethane | 0.14855 | 0.15484 | 0.010 | 4.2 | 50.0 | |
| | 27 Tetrahydrofuran | 0.01188 | 0.01463 | 0.010 | 23.2 | 50.0 | |
| | 28 Chloroform (*) | 0.76245 | 0.78567 | 0.010 | 3.0 | 20.0 | |
| $ | 29 Dibromofluoromethane | 0.53385 | 0.53322 | 0.010 | -0.1 | 50.0 | |
| | 30 1,1,1-Trichloroethane | 0.74110 | 0.75482 | 0.010 | 1.9 | 20.0 | |
| | 31 Carbon Tetrachloride | 0.69529 | 0.74754 | 0.010 | 7.5 | 20.0 | |
| | 32 1,1-Dichloropropene | 0.57059 | 0.56937 | 0.010 | -0.2 | 50.0 | |
| $ | 33 1,2-Dichloroethane-d4 | 0.24971 | 0.24395 | 0.010 | -2.3 | 50.0 | |
| | 34 1,2-Dichloroethane-d4 2nd | 0.04403 | 0.04762 | 0.010 | 8.1 | 50.0 | |
| | 35 Benzene | 0.79444 | 0.80813 | 0.010 | 1.7 | 20.0 | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2050.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m

Injection Date: 14-OCT-2000 09:08
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

| | COMPOUND | RRF | RF10 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 36 1,2-Dichloroethane | 0.32092 | 0.32361 | 0.010 | 0.8 | 20.0 | |
| | 37 Tert-amyl methyl ether | 0.40327 | 0.40648 | 0.010 | 0.8 | 20.0 | |
| | 39 Trichloroethene | 0.50327 | 0.51389 | 0.010 | 2.1 | 20.0 | |
| | 40 1,2-Dichloropropane(*) | 0.27539 | 0.26964 | 0.010 | -2.1 | 20.0 | |
| | 41 Dibromomethane | 0.18816 | 0.19315 | 0.010 | 2.6 | 50.0 | |
| | 42 Bromodichloromethane | 0.54942 | 0.57939 | 0.010 | 5.5 | 20.0 | |
| | 43 2-Chloroethylvinyl ether | 0.00485 | 0.00347 | 0.010 | -28.5 | 50.0 | <- |
| | 44 1-Bromo-2-chloroethane | 0.25567 | 0.26859 | 0.010 | 5.1 | 50.0 | |
| | 45 cis-1,3-Dichloropropene | 0.31011 | 0.30529 | 0.010 | -1.6 | 50.0 | |
| | 46 4-Methyl-2-pentanone | 0.06770 | 0.06679 | 0.010 | -1.3 | 50.0 | |
| $ | 47 Toluene-d8 | 1.08611 | 1.07347 | 0.010 | -1.2 | 50.0 | |
| | 48 Toluene (*) | 1.39458 | 1.43750 | 0.010 | 3.1 | 20.0 | |
| | 49 trans-1,3-Dichloropropene | 0.27496 | 0.24980 | 0.010 | -9.2 | 50.0 | |
| | 50 1,1,2-Trichloroethane | 0.23393 | 0.24552 | 0.010 | 5.0 | 50.0 | |
| | 51 Tetrachloroethene | 0.72855 | 0.75057 | 0.010 | 3.0 | 20.0 | |
| | 52 1,3-Dichloropropane | 0.37597 | 0.39250 | 0.010 | 4.4 | 50.0 | |
| | 53 2-Hexanone | 0.06631 | 0.05934 | 0.010 | -10.5 | 50.0 | |
| | 54 Dibromochloromethane | 0.49465 | 0.53376 | 0.010 | 7.9 | 50.0 | |
| | 55 1,2-Dibromoethane | 0.31686 | 0.30958 | 0.010 | -2.3 | 50.0 | |
| | 57 Chlorobenzene (**) | 1.07199 | 1.08515 | 0.300 | 1.2 | 50.0 | |
| | 58 1,1,1,2-Tetrachloroethane | 0.53784 | 0.57680 | 0.010 | 7.2 | 50.0 | |
| | 59 Ethylbenzene (*) | 0.52935 | 0.53883 | 0.010 | 1.8 | 20.0 | |
| | 60 m,p-Xylenes | 0.65171 | 0.68238 | 0.010 | 4.7 | 20.0 | |
| M | 61 Xylenes (total) | 0.63479 | 0.66352 | 0.010 | 4.5 | 20.0 | |
| | 62 o-Xylene | 0.60095 | 0.62582 | 0.010 | 4.1 | 20.0 | |
| | 63 Styrene | 0.87833 | 0.92883 | 0.010 | 5.7 | 50.0 | |
| | 64 Bromoform (**) | 0.27134 | 0.29868 | 0.100 | 10.1 | 50.0 | |
| | 65 Isopropylbenzene | 2.09661 | 2.15719 | 0.010 | 2.9 | 50.0 | |
| $ | 66 4-Bromofluorobenzene | 0.72278 | 0.74319 | 0.010 | 2.8 | 50.0 | |
| | 67 4-Bromofluorobenzene-2nd | 0.61205 | 0.62979 | 0.010 | 2.9 | 50.0 | |
| | 68 Bromobenzene | 0.95805 | 0.95516 | 0.010 | -0.3 | 50.0 | |
| | 69 1,1,2,2-Tetrachloroethane(* | 0.45959 | 0.44886 | 0.300 | -2.3 | 50.0 | |
| | 70 1,2,3-Trichloropropane | 0.12147 | 0.12712 | 0.010 | 4.7 | 50.0 | |
| | 71 n-Propylbenzene | 4.06276 | 3.90931 | 0.010 | -3.8 | 50.0 | |
| | 72 2-Chlorotoluene | 0.81296 | 0.80150 | 0.010 | -1.4 | 50.0 | |
| | 73 4-Chlorotoluene | 0.79102 | 0.79489 | 0.010 | 0.5 | 50.0 | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2050.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m

Injection Date: 14-OCT-2000 09:08
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

| COMPOUND | RRF | RF10 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|
| 74 1,3,5-Trimethylbenzene | 2.83677 | 2.84300 | 0.010 | 0.2 | 50.0 |
| 75 tert-Butylbenzene | 3.12145 | 3.07608 | 0.010 | -1.5 | 50.0 |
| 76 1,2,4-Trimethylbenzene | 2.77919 | 2.79834 | 0.010 | 0.7 | 50.0 |
| 77 sec-Butylbenzene | 4.16324 | 4.09933 | 0.010 | -1.5 | 50.0 |
| 78 1,3-Dichlorobenzene | 1.70685 | 1.69150 | 0.010 | -0.9 | 50.0 |
| 80 p-Isopropyltoluene | 3.46639 | 3.41436 | 0.010 | -1.5 | 50.0 |
| 81 1,4-Dichlorobenzene | 1.72203 | 1.71767 | 0.010 | -0.3 | 50.0 |
| 82 1,2-Dichlorobenzene | 1.37848 | 1.32902 | 0.010 | -3.6 | 50.0 |
| 83 n-Butylbenzene | 3.43040 | 3.37375 | 0.010 | -1.7 | 50.0 |
| 84 1,2-Dibromo-3-chloropropane | 0.08952 | 0.08726 | 0.010 | -2.5 | 50.0 |
| 85 1,2,4-Trichlorobenzene | 1.26756 | 1.23385 | 0.010 | -2.7 | 50.0 |
| 86 Hexachlorobutadiene | 1.72387 | 1.74380 | 0.010 | 1.2 | 50.0 |
| 87 Napthalene | 0.80240 | 0.76802 | 0.010 | -4.3 | 20.0 |
| 88 1,2,3-Trichlorobenzene | 0.96366 | 0.93290 | 0.010 | -3.2 | 50.0 |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2050.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,2,1-8260B.SUB

Calibration Date: 14-OCT-2000
Calibration Time: 09:08

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1715078 | 0.00 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 1233700 | 0.00 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 765106 | 0.00 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.03 | 0.00 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | 0.00 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.12 | 0.00 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1014AC.B\CS2050.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 14-OCT-2000 09:08
Operator : AD Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,2,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:30 donga Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.871 | 1.871 | (0.233) | 733301 | 10.0000 | 8.94 |
| 2 Chloromethane (**) | 50 | 2.088 | 2.088 | (0.260) | 282316 | 10.0000 | 9.24 |
| 3 Vinyl chloride (*) | 62 | 2.157 | 2.157 | (0.269) | 356832 | 10.0000 | 9.77 |
| 4 Bromomethane | 94 | 2.482 | 2.482 | (0.309) | 377300 | 10.0000 | 9.77 |
| 5 Chloroethane | 64 | 2.611 | 2.611 | (0.325) | 239582 | 10.0000 | 10.15 |
| 6 Trichlorofluoromethane | 101 | 2.906 | 2.906 | (0.362) | 1342982 | 10.0000 | 9.85 |
| 7 Acrolein | 56 | 5.005 | 5.005 | (0.623) | 286944 | 100.000 | 96.31 |
| 8 1,1-Dichloroethene(*) | 96 | 3.498 | 3.498 | (0.435) | 489910 | 10.0000 | 9.98 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.517 | 3.517 | (0.438) | 797054 | 10.0000 | 9.75 |
| 10 Iodomethane | 142 | 3.685 | 3.685 | (0.459) | 1698439 | 20.0000 | 19.35 |
| 11 Acetone | 43 | 3.547 | 3.547 | (0.442) | 179169 | 50.0000 | 49.89 |
| 12 Carbon disulfide | 76 | 3.773 | 3.773 | (0.470) | 958104 | 10.0000 | 9.85(M) |
| 13 Methylene chloride | 84 | 4.168 | 4.168 | (0.519) | 399318 | 10.0000 | 10.22 |
| 14 Acrylonitrile | 53 | 7.430 | 7.430 | (0.925) | 51096 | 100.000 | 102.9(Q) |
| 15 t-Butanol | 59 | 4.394 | 4.394 | (0.547) | 27048 | 40.0000 | 30.18(MH) |

JM 10/24/00

JM 10/14/00

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.370 | 5.370 | (0.669) | 877759 | 20.0000 | 17.01 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.562 | 4.562 | (0.568) | 559363 | 10.0000 | 9.96 |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.611 | 4.611 | (0.574) | 457249 | 10.0000 | 9.31 |
| | 19 1,1-Dichloroethane (**) | 63 | 5.193 | 5.193 | (0.647) | 874273 | 10.0000 | 9.71 |
| | 20 Isopropyl ether | 45 | 5.380 | 5.380 | (0.670) | 1145771 | 10.0000 | 9.55 |
| | 21 Tert-butyl ethyl ether | 59 | 5.952 | 5.952 | (0.741) | 1020566 | 10.0000 | 10.60 |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 1134322 | 20.0000 | 20.88 |
| | 23 2,2-Dichloropropane | 77 | 6.109 | 6.109 | (0.761) | 392645 | 10.0000 | 7.20 |
| | 24 cis-1,2-Dichloroethene | 96 | 6.109 | 6.109 | (0.761) | 574959 | 10.0000 | 10.91 |
| | 25 2-Butanone | 43 | 6.159 | 6.159 | (0.767) | 185617 | 50.0000 | 45.76 |
| | 26 Bromochloromethane | 128 | 6.494 | 6.494 | (0.809) | 265564 | 10.0000 | 10.42 |
| | 27 Tetrahydrofuran | 42 | 6.612 | 6.612 | (0.823) | 25095 | 10.0000 | 12.32 |
| | 28 Chloroform (*) | 83 | 6.661 | 6.661 | (0.829) | 1347482 | 10.0000 | 10.30 |
| $ | 29 Dibromofluoromethane | 111 | 6.908 | 6.908 | (0.860) | 914518 | 10.0000 | 9.99 |
| | 30 1,1,1-Trichloroethane | 97 | 6.927 | 6.927 | (0.863) | 1294569 | 10.0000 | 10.18 |
| | 31 Carbon Tetrachloride | 117 | 7.223 | 7.223 | (0.899) | 1282089 | 10.0000 | 10.75 |
| | 32 1,1-Dichloropropene | 75 | 7.213 | 7.213 | (0.898) | 976519 | 10.0000 | 9.98 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.450 | 7.450 | (0.928) | 418393 | 10.0000 | 9.77 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.450 | 7.450 | (0.928) | 81665 | 10.0000 | 10.81 |
| | 35 Benzene | 78 | 7.548 | 7.548 | (0.940) | 1386013 | 10.0000 | 10.17 |
| | 36 1,2-Dichloroethane | 62 | 7.578 | 7.578 | (0.944) | 555010 | 10.0000 | 10.08 |
| | 37 Tert-amyl methyl ether | 73 | 7.814 | 7.814 | (0.973) | 697151 | 10.0000 | 10.08 |
| * | 38 Fluorobenzene | 96 | 8.031 | 8.031 | (1.000) | 1715078 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.672 | 8.672 | (1.080) | 881366 | 10.0000 | 10.21 |
| | 40 1,2-Dichloropropane(*) | 63 | 9.027 | 9.027 | (1.124) | 462449 | 10.0000 | 9.79 |
| | 41 Dibromomethane | 93 | 9.224 | 9.224 | (1.148) | 331262 | 10.0000 | 10.26 |
| | 42 Bromodichloromethane | 83 | 9.539 | 9.539 | (1.188) | 993700 | 10.0000 | 10.54 |
| | 43 2-Chloroethylvinyl ether | 106 | 10.121 | 10.121 | (1.260) | 11905 | 20.0000 | 14.31(Q) |
| | 44 1-Bromo-2-chloroethane | 63 | 10.052 | 10.052 | (1.252) | 460651 | 10.0000 | 10.50 |
| | 45 cis-1,3-Dichloropropene | 75 | 10.347 | 10.347 | (1.288) | 523601 | 10.0000 | 9.84 |
| | 46 4-Methyl-2-pentanone | 43 | 10.653 | 10.653 | (1.326) | 572771 | 50.0000 | 49.33 |
| $ | 47 Toluene-d8 | 98 | 10.830 | 10.830 | (0.803) | 1324336 | 10.0000 | 9.88 |
| | 48 Toluene (*) | 91 | 10.948 | 10.948 | (0.812) | 1773440 | 10.0000 | 10.31 |
| | 49 trans-1,3-Dichloropropene | 75 | 11.382 | 11.382 | (0.844) | 308177 | 10.0000 | 9.08 |
| | 50 1,1,2-Trichloroethane | 97 | 11.688 | 11.688 | (0.866) | 302897 | 10.0000 | 10.50 |
| | 51 Tetrachloroethene | 164 | 11.954 | 11.954 | (0.886) | 925976 | 10.0000 | 10.30 |
| | 52 1,3-Dichloropropane | 76 | 11.993 | 11.993 | (0.889) | 484231 | 10.0000 | 10.44 |
| | 53 2-Hexanone | 43 | 12.210 | 12.210 | (0.905) | 366069 | 50.0000 | 44.74 |
| | 54 Dibromochloromethane | 129 | 12.397 | 12.397 | (0.919) | 658500 | 10.0000 | 10.79 |
| | 55 1,2-Dibromoethane | 107 | 12.575 | 12.575 | (0.932) | 381927 | 10.0000 | 9.77 |
| * | 56 Chlorobenzene-d5 | 117 | 13.491 | 13.491 | (1.000) | 1233700 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.550 | 13.550 | (1.004) | 1338750 | 10.0000 | 10.12 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.718 | 13.718 | (1.017) | 711601 | 10.0000 | 10.72 |
| | 59 Ethylbenzene (*) | 106 | 13.797 | 13.797 | (1.023) | 664759 | 10.0000 | 10.18 |
| | 60 m,p-Xylenes | 106 | 14.033 | 14.033 | (1.040) | 1683695 | 20.0000 | 20.94 |
| M | 61 Xylenes (total) | 100 | | | | 2455767 | 30.0000 | 31.36 |
| | 62 o-Xylene | 106 | 14.782 | 14.782 | (1.096) | 772071 | 10.0000 | 10.41 |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 63 Styrene | 104 | 14.812 | 14.812 | (1.098) | 1145892 | 10.0000 | 10.57 |
| 64 Bromoform (**) | 173 | 15.117 | 15.117 | (1.121) | 368482 | 10.0000 | 11.01 |
| 65 Isopropylbenzene | 105 | 15.541 | 15.541 | (1.152) | 2661330 | 10.0000 | 10.29 |
| $ 66 4-Bromofluorobenzene | 95 | 15.797 | 15.797 | (1.171) | 916877 | 10.0000 | 10.28 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.807 | 15.807 | (1.172) | 776975 | 10.0000 | 10.29 |
| 68 Bromobenzene | 156 | 16.064 | 16.064 | (0.886) | 730796 | 10.0000 | 9.97 |
| 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.133 | 16.133 | (0.890) | 343425 | 10.0000 | 9.77 |
| 70 1,2,3-Trichloropropane | 110 | 16.182 | 16.182 | (0.893) | 97263 | 10.0000 | 10.46(Q) |
| 71 n-Propylbenzene | 91 | 16.359 | 16.359 | (0.903) | 2991037 | 10.0000 | 9.62 |
| 72 2-Chlorotoluene | 126 | 16.487 | 16.487 | (0.910) | 613233 | 10.0000 | 9.86(Q) |
| 73 4-Chlorotoluene | 126 | 16.704 | 16.704 | (0.922) | 608177 | 10.0000 | 10.05 |
| 74 1,3,5-Trimethylbenzene | 105 | 16.744 | 16.744 | (0.924) | 2175194 | 10.0000 | 10.02 |
| 75 tert-Butylbenzene | 119 | 17.365 | 17.365 | (0.958) | 2353529 | 10.0000 | 9.85 |
| 76 1,2,4-Trimethylbenzene | 105 | 17.473 | 17.473 | (0.964) | 2141027 | 10.0000 | 10.07 |
| 77 sec-Butylbenzene | 105 | 17.828 | 17.828 | (0.984) | 3136425 | 10.0000 | 9.85 |
| 78 1,3-Dichlorobenzene | 146 | 17.985 | 17.985 | (0.992) | 1294175 | 10.0000 | 9.91 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.123 | 18.123 | (1.000) | 765106 | 10.0000 | (Q) |
| 80 p-Isopropyltoluene | 119 | 18.143 | 18.143 | (1.001) | 2612353 | 10.0000 | 9.85 |
| 81 1,4-Dichlorobenzene | 146 | 18.173 | 18.173 | (1.003) | 1314199 | 10.0000 | 9.97(H) |
| 82 1,2-Dichlorobenzene | 146 | 18.902 | 18.902 | (1.043) | 1016844 | 10.0000 | 9.64 |
| 83 n-Butylbenzene | 91 | 18.981 | 18.981 | (1.047) | 2581282 | 10.0000 | 9.83 |
| 84 1,2-Dibromo-3-chloropropane | 157 | 20.499 | 20.499 | (1.131) | 66761 | 10.0000 | 9.75 |
| 85 1,2,4-Trichlorobenzene | 180 | 22.243 | 22.243 | (1.227) | 944026 | 10.0000 | 9.73 |
| 86 Hexachlorobutadiene | 225 | 22.667 | 22.667 | (1.251) | 1334190 | 10.0000 | 10.12 |
| 87 Napthalene | 128 | 22.706 | 22.706 | (1.253) | 587616 | 10.0000 | 9.57 |
| 88 1,2,3-Trichlorobenzene | 180 | 23.150 | 23.150 | (1.277) | 713770 | 10.0000 | 9.68 |

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09804.D
Lab Smp Id: LCS-1014AC  Client Smp ID: C09804
Inj Date : 14-OCT-2000 09:47
Operator : AD  Inst ID: mc.i
Smp Info : LCS-1014AC,LCS,1,,0,1,0,8260BCL.M,C09804
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 09:32 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 2  QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.495 | 3.498 | (0.436) | 427732 | 9.26809 | 9.27 |
| $ 29 Dibromofluoromethane | 111 | 6.905 | 6.908 | (0.861) | 867133 | 10.0732 | 10.07 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.427 | 7.450 | (0.926) | 391565 | 9.72445 | 9.72 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.427 | 7.450 | (0.926) | 75884 | 10.6887 | 10.69 |
| 35 Benzene | 78 | 7.536 | 7.548 | (0.940) | 1163672 | 9.08377 | 9.08 |
| * 38 Fluorobenzene | 96 | 8.019 | 8.031 | (1.000) | 1612504 | 10.0000 | |
| 39 Trichloroethene | 130 | 8.659 | 8.672 | (1.080) | 724131 | 8.92312 | 8.92 |
| $ 47 Toluene-d8 | 98 | 10.828 | 10.830 | (0.803) | 1287762 | 10.1038 | 10.10 |
| 48 Toluene (*) | 91 | 10.946 | 10.948 | (0.811) | 1482931 | 9.06145 | 9.06 |
| * 56 Chlorobenzene-d5 | 117 | 13.489 | 13.491 | (1.000) | 1173487 | 10.0000 | |
| 57 Chlorobenzene (**) | 112 | 13.538 | 13.550 | (1.004) | 1119116 | 8.89621 | 8.90 |
| $ 66 4-Bromofluorobenzene | 95 | 15.805 | 15.797 | (1.172) | 895527 | 10.5583 | 10.56 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.815 | 15.807 | (1.172) | 755941 | 10.5250 | 10.52 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.131 | 18.123 | (1.000) | 732722 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09804.D
Lab Smp Id: LCS-1014AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09804
Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1612504 | -5.98 |
| 56 Chlorobenzene-d5 | 1242425 | 621213 | 2484850 | 1173487 | -5.55 |
| 79 1,4-Dichlorobenze | 764494 | 382247 | 1528988 | 732722 | -4.16 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.02 | -0.15 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | -0.02 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.13 | 0.04 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

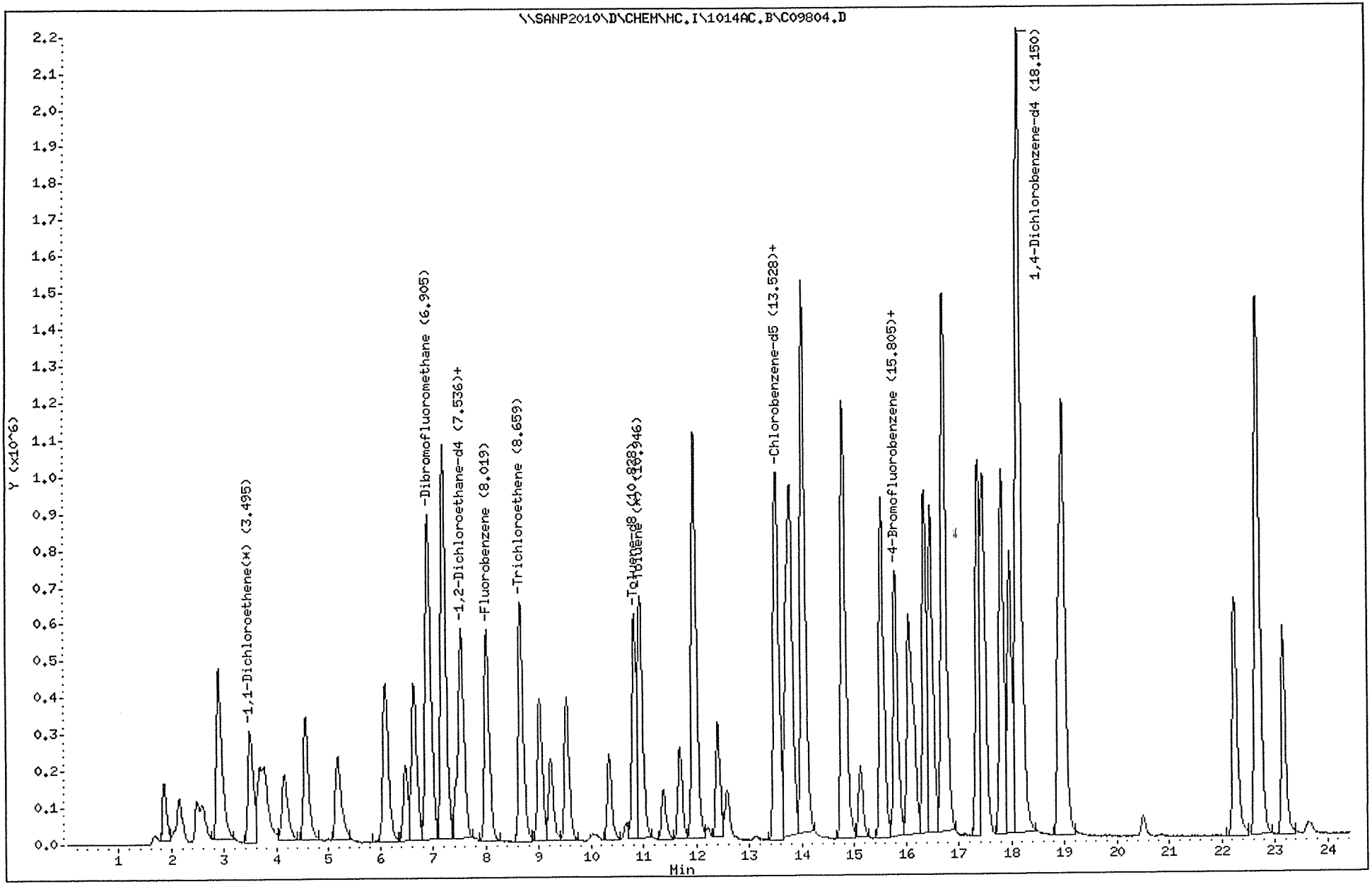
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09804.D
Date : 14-OCT-2000 09:47
Client ID: C09804
Sample Info: LCS-1014AC,LCS,1,,0,1,0,8260BCL.M,C09804
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: AD
Column diameter: 0.53




000333

BOE-C6-0167454

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D
Lab Smp Id: MB-1014AC  Client Smp ID: C09805
Inj Date : 14-OCT-2000 10:17
Operator : AD  Inst ID: mc.i
Smp Info : MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:30 donga  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 3  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 14 Acrylonitrile | 53 | 7.438 | 7.430 | (0.926) | 38441 | 84.4547 | 84.45(Q) |
| $ 29 Dibromofluoromethane | 111 | 6.906 | 6.908 | (0.860) | 842824 | 10.0452 | 10.04 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.438 | 7.450 | (0.926) | 382417 | 9.74400 | 9.74 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.448 | 7.450 | (0.928) | 68376 | 9.88135 | 9.88 |
| 37 Tert-amyl methyl ether | 73 | 8.019 | 7.814 | (0.999) | 27859 | 0.43956 | 0.440(a) |
| * 38 Fluorobenzene | 96 | 8.029 | 8.031 | (1.000) | 1571670 | 10.0000 | |
| $ 47 Toluene-d8 | 98 | 10.828 | 10.830 | (0.803) | 1246938 | 9.64504 | 9.64 |
| * 56 Chlorobenzene-d5 | 117 | 13.489 | 13.491 | (1.000) | 1190332 | 10.0000 | |
| $ 66 4-Bromofluorobenzene | 95 | 15.805 | 15.797 | (1.172) | 886266 | 10.3012 | 10.30 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.805 | 15.807 | (1.172) | 742087 | 10.1859 | 10.18 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.131 | 18.123 | (1.000) | 709605 | 10.0000 | (Q) |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09805.D
Lab Smp Id: MB-1014AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09805
Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1571670 | -8.36 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 1190332 | -3.52 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 709605 | -7.25 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.03 | -0.02 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | -0.01 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.13 | 0.04 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D
Lab Smp Id: MB-1014AC  Client Smp ID: C09805
Inj Date : 14-OCT-2000 10:17
Operator : AD  Inst ID: mc.i
Smp Info : MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:30 donga  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 3  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

STL Los Angeles

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: MB-1014AC
Level: LOW
Data Type: MS DATA
SpikeList File: SH.spk
Sublist File: 1-8260B.SUB
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,1-8260B.SUB

Client SDG: SDGa02609
Fraction: VOA
Client Smp ID: C09805
Operator: AD
SampleType: BLANK
Quant Type: ISTD

| SPIKE COMPOUND | CONC ADDED ug/L | CONC RECOVERED ug/L | % RECOVERED | LIMITS |
|---|---|---|---|---|
| 8 1,1-Dichloroethen | 10.00 | 0.000 | * | 70-130 |
| 35 Benzene | 10.00 | 0.000 | * | 75-120 |
| 39 Trichloroethene | 10.00 | 0.000 | * | 75-130 |
| 48 Toluene (*) | 10.00 | 0.000 | * | 80-120 |
| 57 Chlorobenzene (**) | 10.00 | 0.000 | * | 80-120 |

| SURROGATE COMPOUND | CONC ADDED ug/L | CONC RECOVERED ug/L | % RECOVERED | LIMITS |
|---|---|---|---|---|
| $ 29 Dibromofluorometha | 10.00 | 10.04 | 100.40 | 70-130 |
| $ 33 1,2-Dichloroethane | 10.00 | 9.74 | 97.40 | 65-130 |
| $ 47 Toluene-d8 | 10.00 | 9.64 | 96.40 | 80-130 |
| $ 66 4-Bromofluorobenze | 10.00 | 10.30 | 103.00 | 75-120 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1014AC
Operator : AD
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa02609
Client Smp ID: C09805
Sample Date:
Sample Point:
Date Received:
Level: LOW

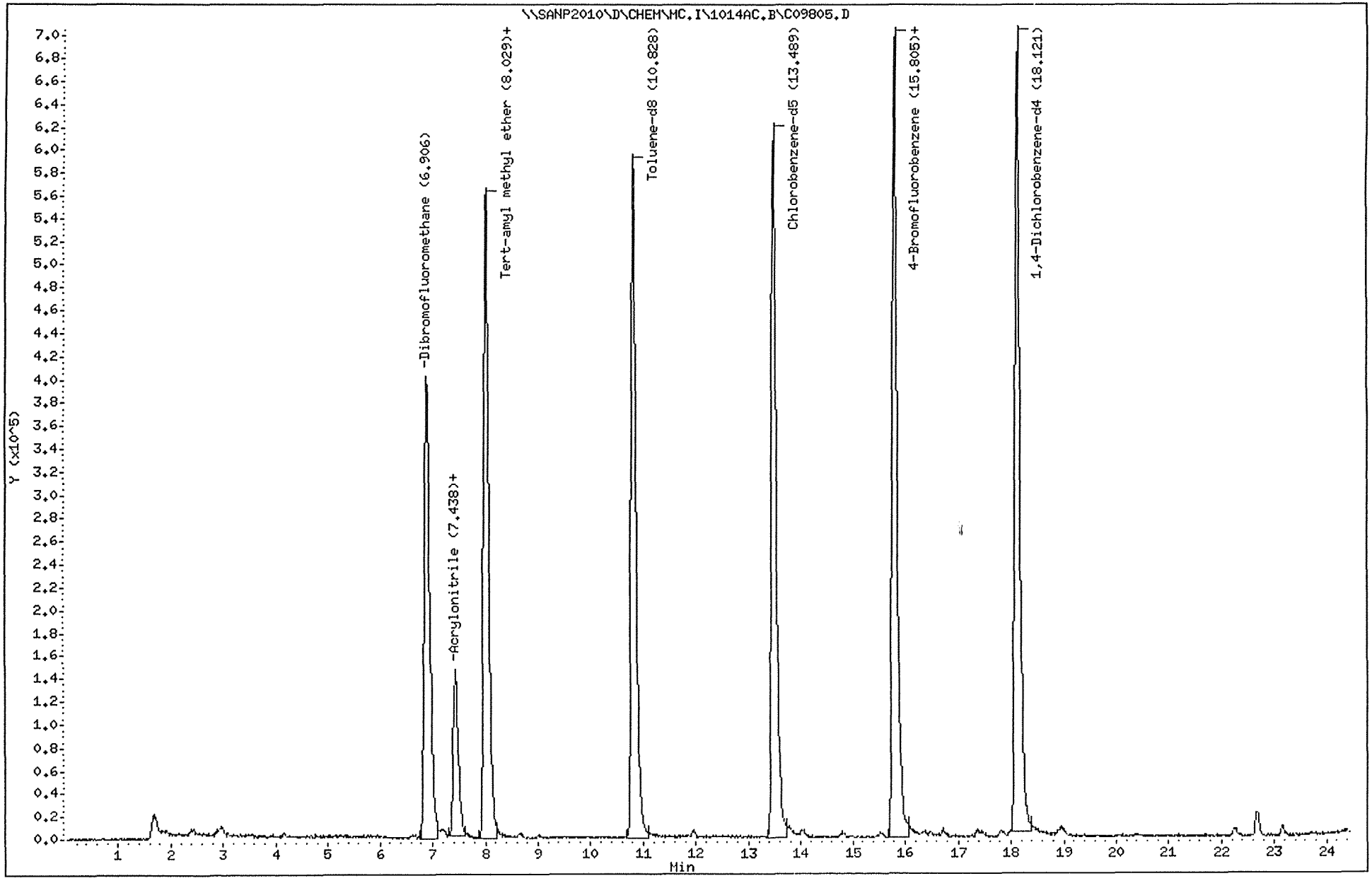
Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D
Date : 14-OCT-2000 10:17
Client ID: C09805
Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: AD
Column diameter: 0.53




000340

BOE-C6-0167461

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

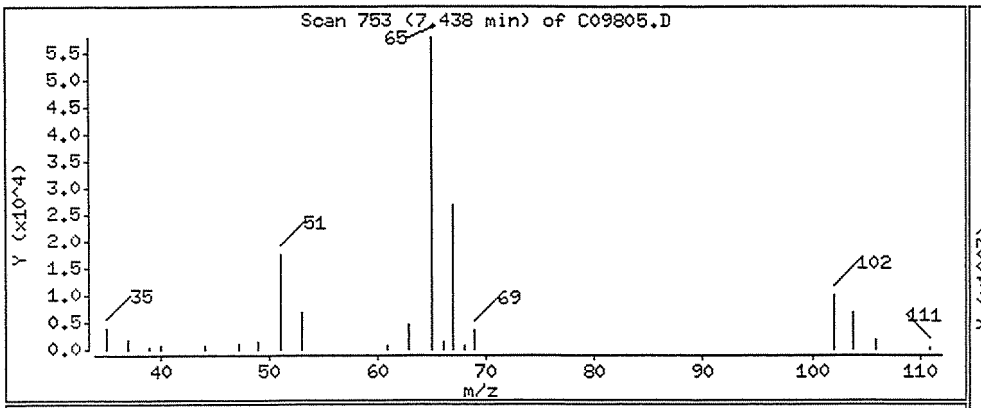
Client ID: C09805 Instrument: mc.i

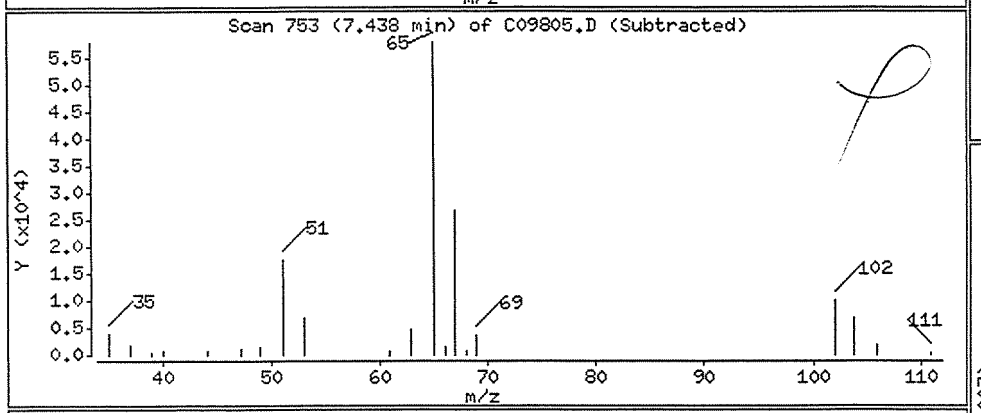
Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805

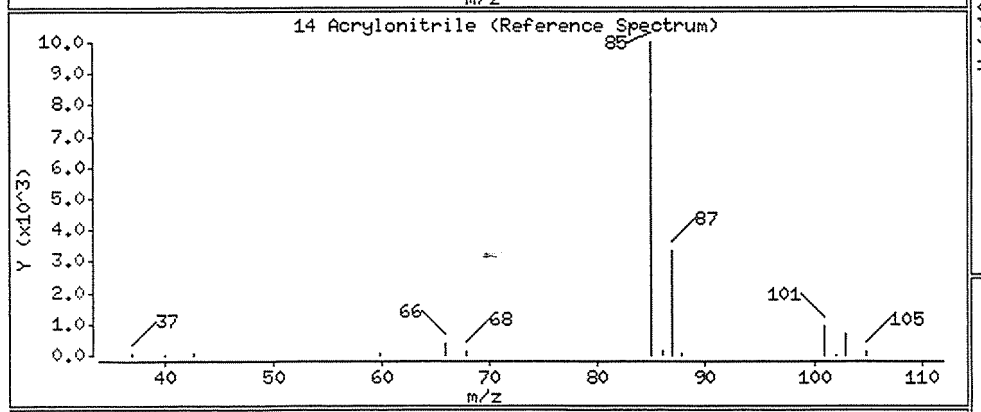
Purge Volume: 25.0 Operator: AD

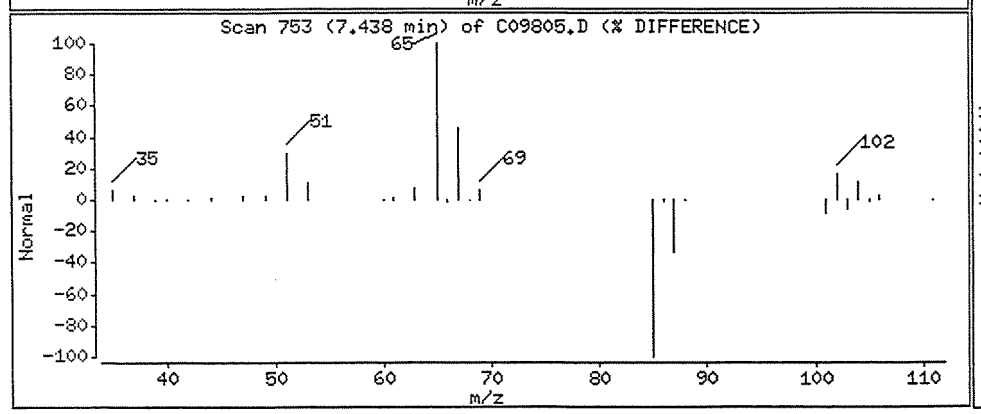
Column phase: J&W DB-624 Column diameter: 0.53

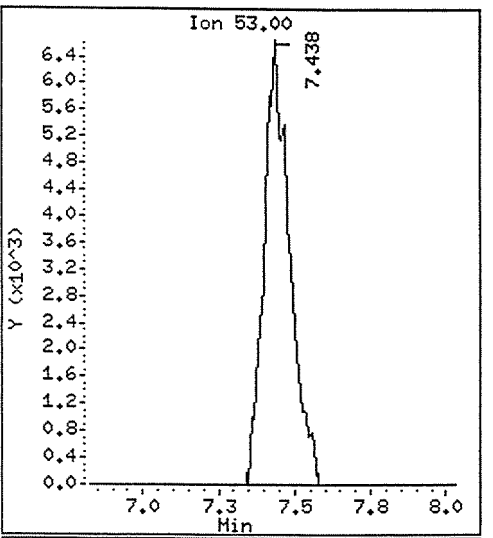
14 Acrylonitrile Concentration: 84.45 ug/L

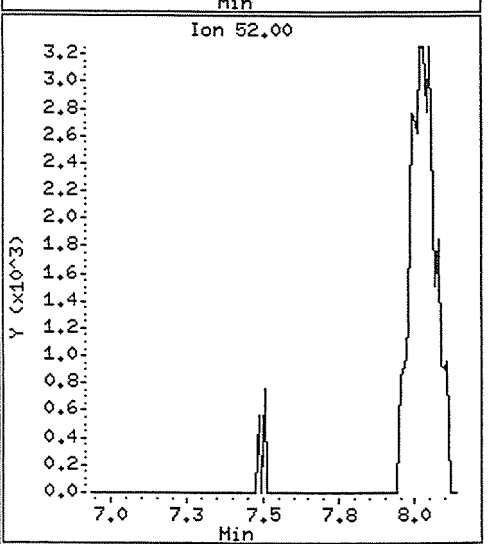


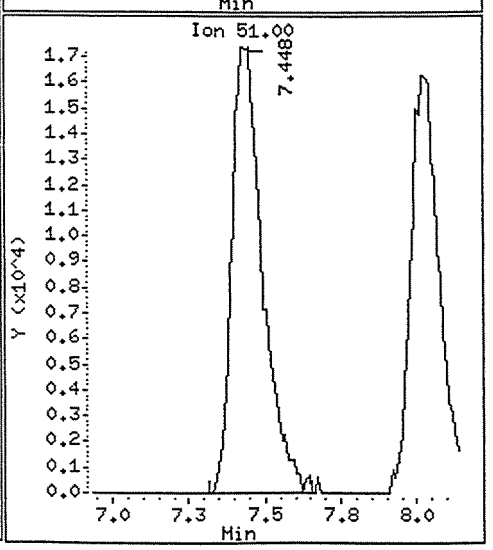



Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

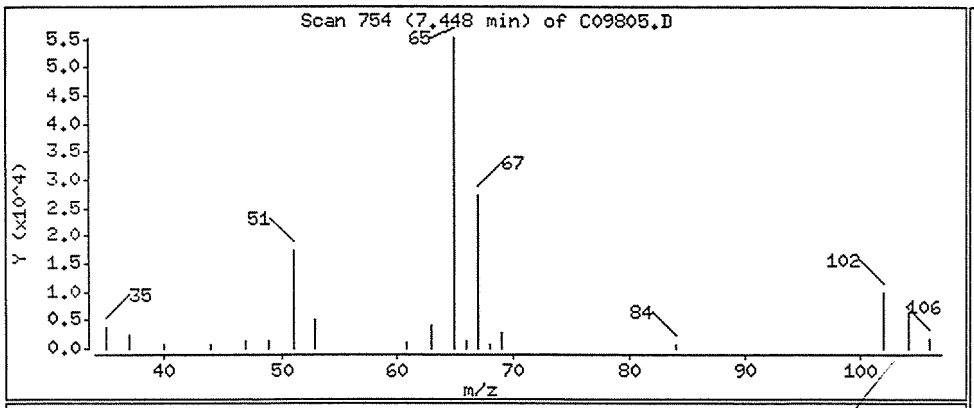
Client ID: C09805 Instrument: mc.i

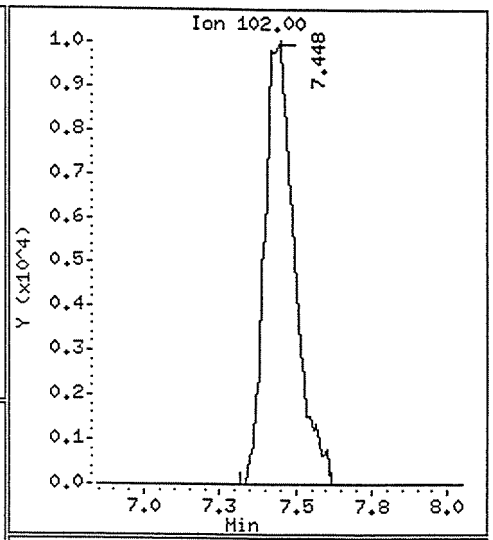
Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805

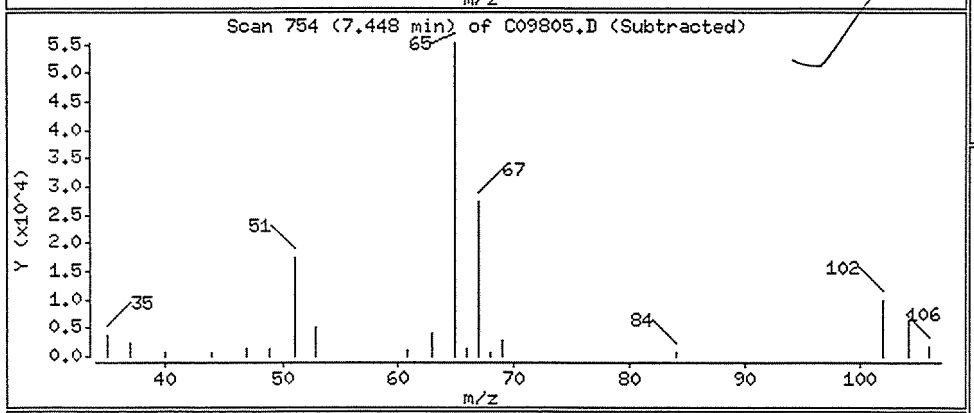
Purge Volume: 25.0 Operator: AD

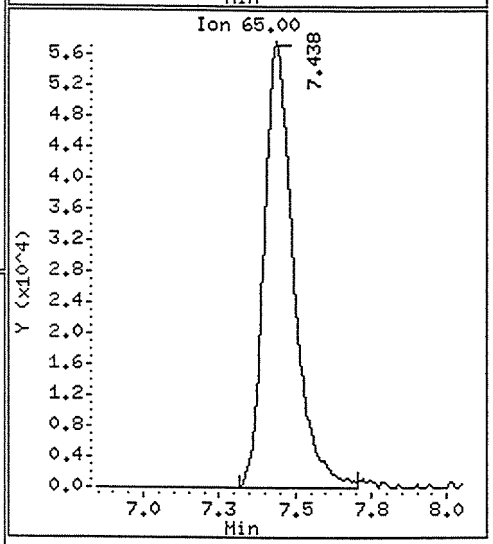
Column phase: J&W DB-624 Column diameter: 0.53

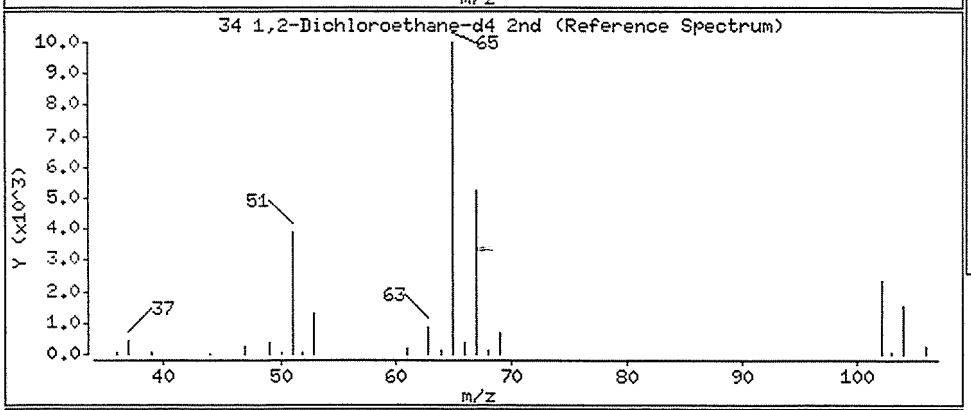
34 1,2-Dichloroethane-d4 2nd Concentration: 9.88 ug/L

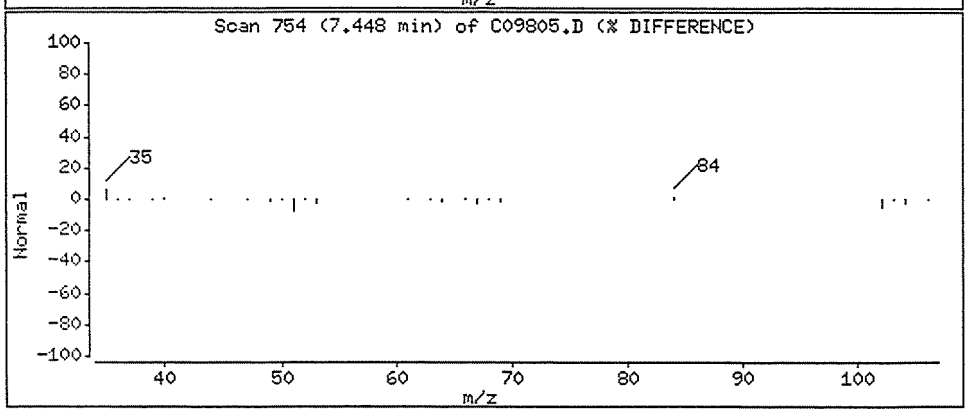


Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

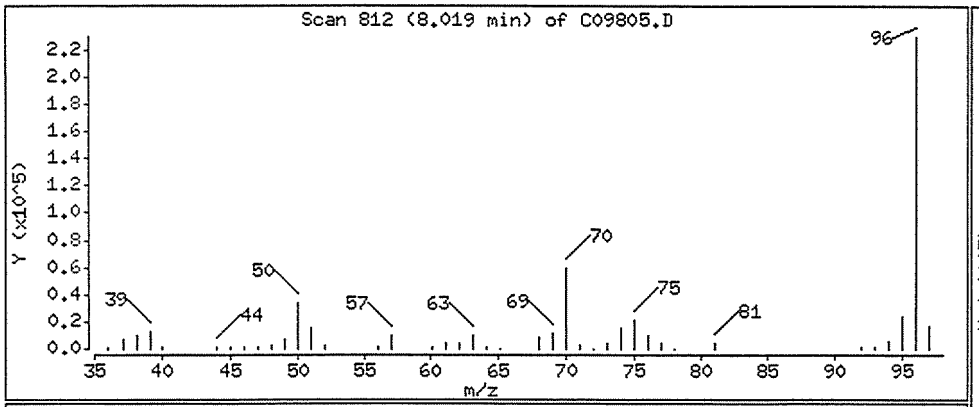
Client ID: C09805 Instrument: mc.i

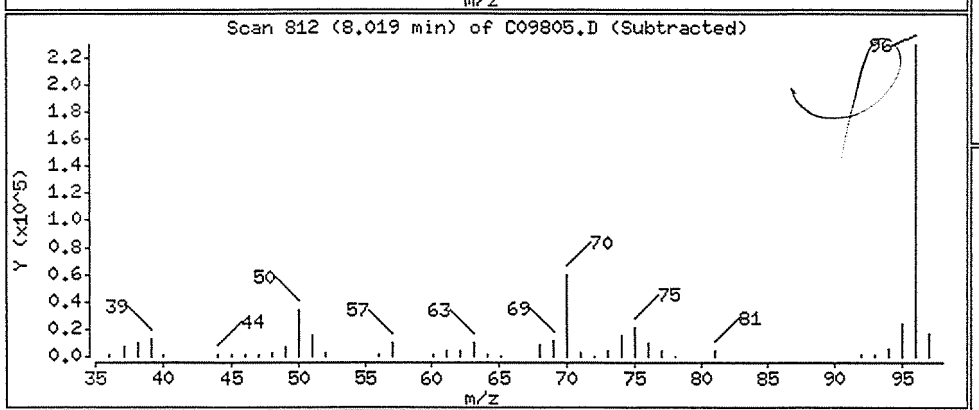
Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805

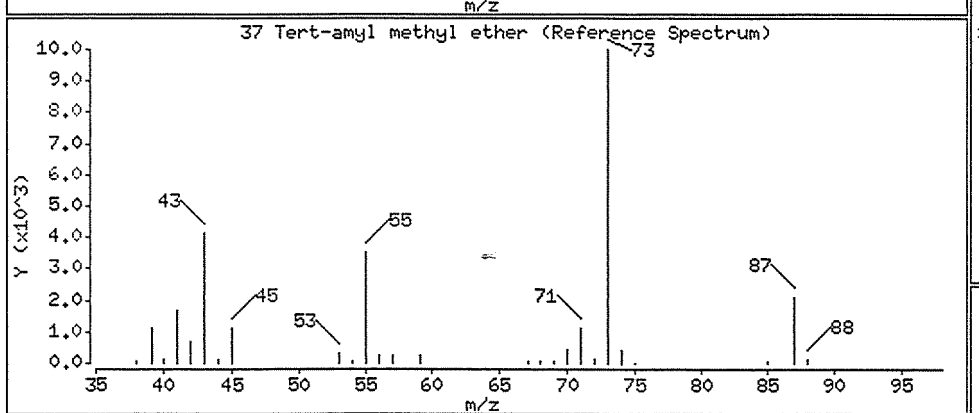
Purge Volume: 25.0 Operator: AD

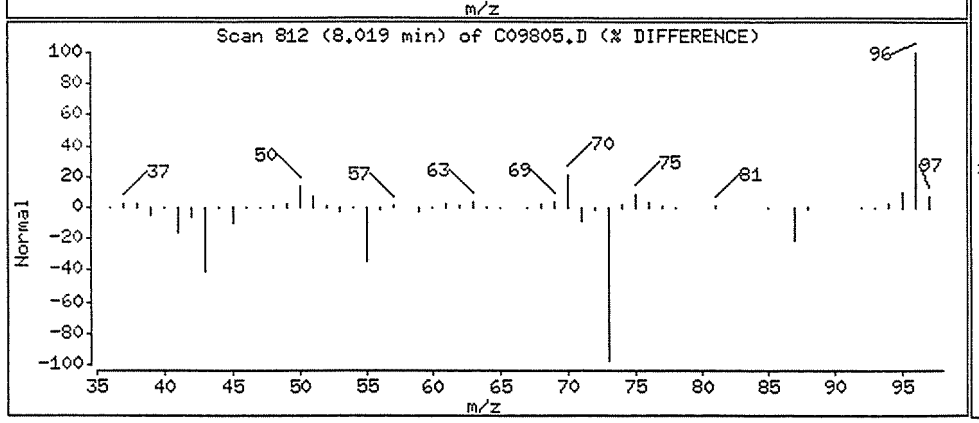
Column phase: J&W DB-624 Column diameter: 0.53

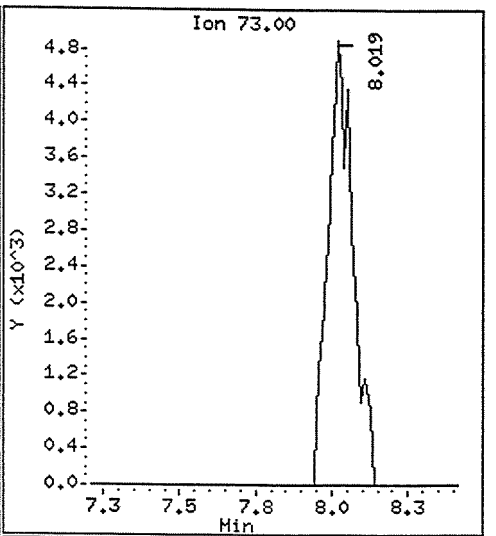
37 Tert-amyl methyl ether Concentration: 0.440 ug/L

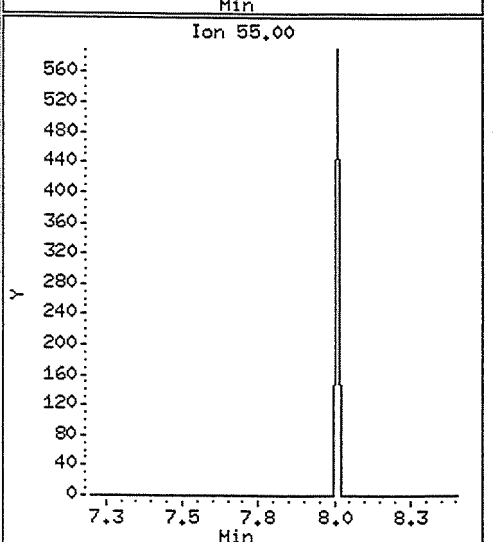


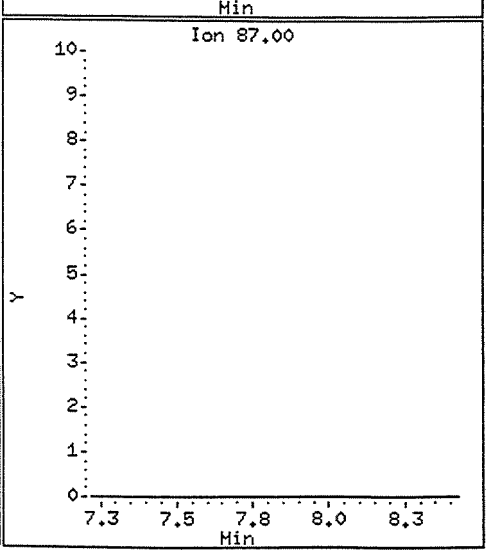



Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09805.D

Date : 14-OCT-2000 10:17

Client ID: C09805

Instrument: mc.i

Sample Info: MB-1014AC,BLANK,1,,0,1,0,8260BCL.M,C09805

Purge Volume: 25.0

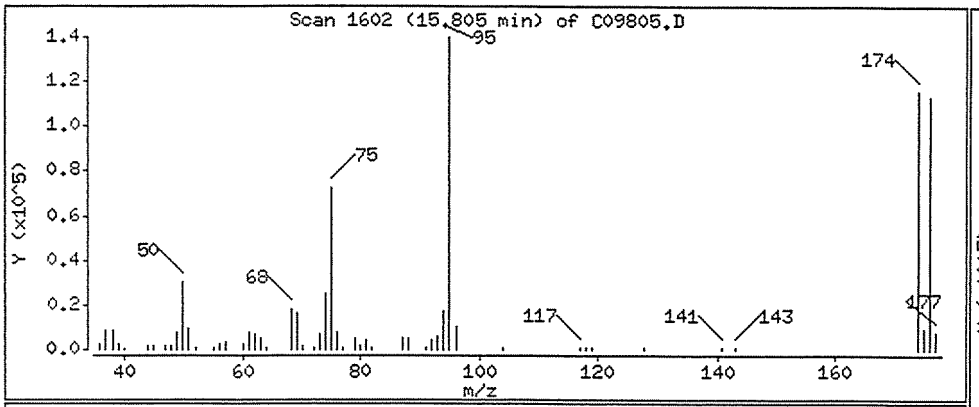
Operator: AD

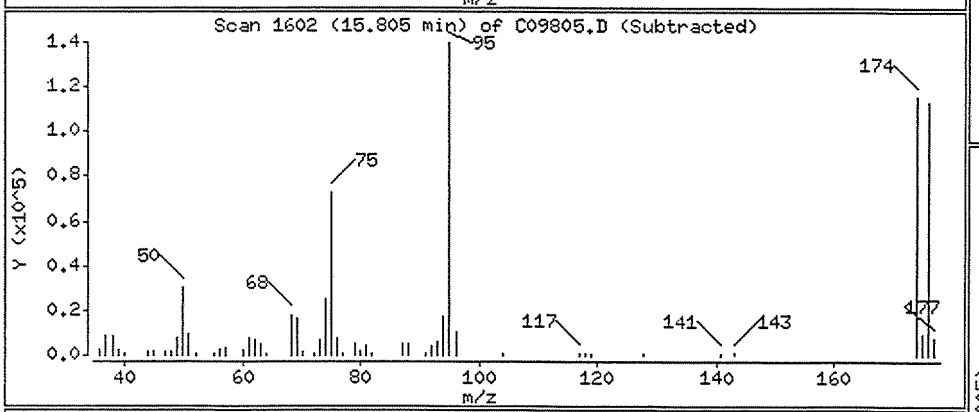
Column phase: J&W DB-624

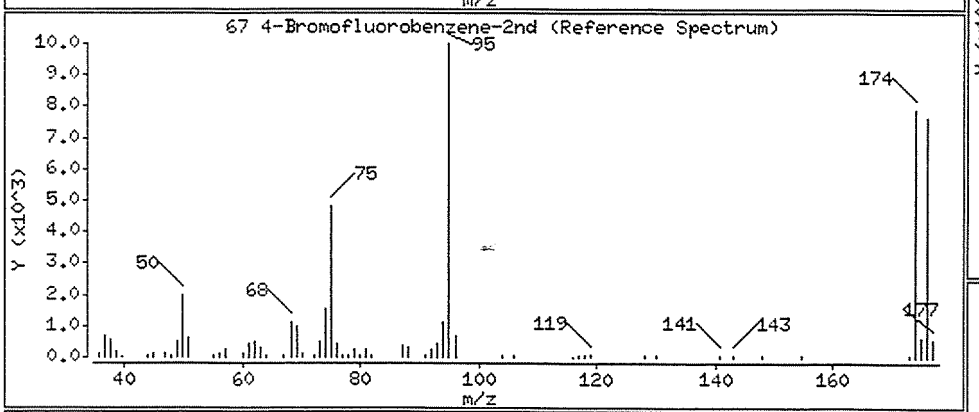
Column diameter: 0.53

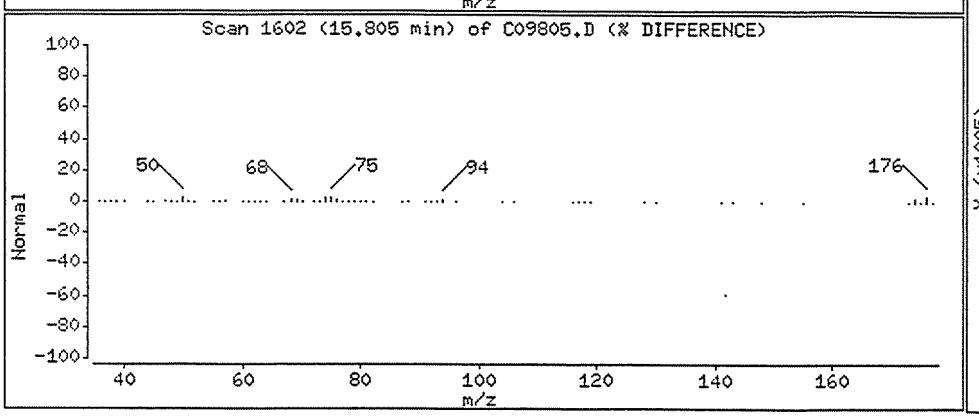
67 4-Bromofluorobenzene-2nd

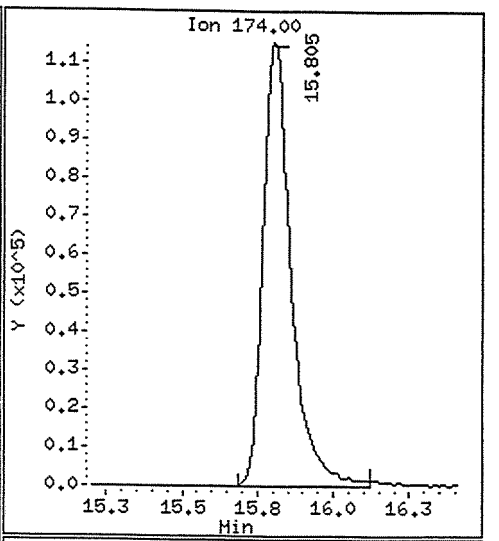
Concentration: 10.18 ug/L

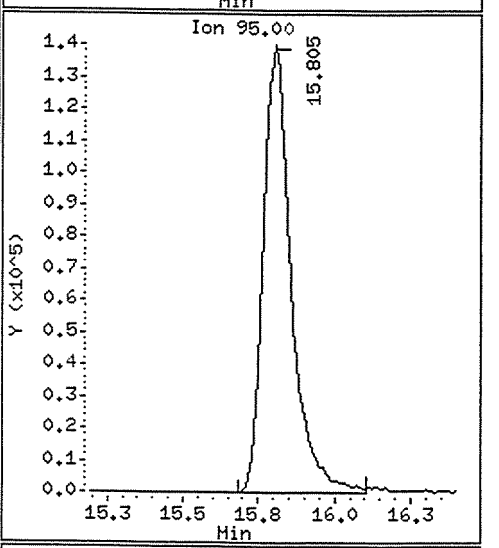


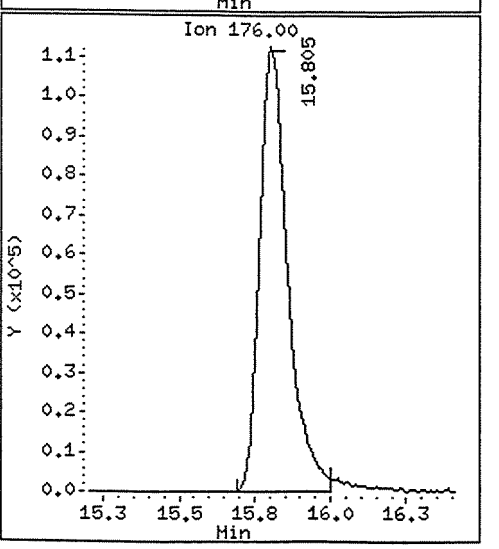



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09824.D
Lab Smp Id: DM1CW1AB  Client Smp ID: C09824
Inj Date : 14-OCT-2000 19:49
Operator : AD  Inst ID: mc.i
Smp Info : DM1CW1AB,MS,1,,0,1,0,8260BCL.M,C09824
Misc Info : ,0.020,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 1  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 0.020 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.497 | 3.498 | (0.435) | 386344 | 9.08287 | 11350 |
| $ 29 Dibromofluoromethane | 111 | 6.907 | 6.908 | (0.860) | 769262 | 9.69585 | 12120 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.439 | 7.450 | (0.926) | 363882 | 9.80509 | 12260 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.449 | 7.450 | (0.928) | 62482 | 9.54896 | 11940(Q) |
| 35 Benzene | 78 | 7.528 | 7.548 | (0.937) | 1067400 | 9.04052 | 11300 |
| * 38 Fluorobenzene | 96 | 8.031 | 8.031 | (1.000) | 1486177 | 10.0000 | |
| 39 Trichloroethene | 130 | 8.671 | 8.672 | (1.080) | 694641 | 9.28732 | 11610 |
| $ 47 Toluene-d8 | 98 | 10.830 | 10.830 | (0.802) | 1144171 | 9.51387 | 11890 |
| 48 Toluene (*) | 91 | 10.958 | 10.948 | (0.812) | 1360471 | 8.81015 | 11010 |
| * 56 Chlorobenzene-d5 | 117 | 13.500 | 13.491 | (1.000) | 1107289 | 10.0000 | |
| 57 Chlorobenzene (**) | 112 | 13.550 | 13.550 | (1.004) | 1060543 | 8.93461 | 11170 |
| $ 66 4-Bromofluorobenzene | 95 | 15.807 | 15.797 | (1.171) | 900547 | 11.2522 | 14060 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.807 | 15.807 | (1.171) | 759745 | 11.2104 | 14010 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.123 | 18.123 | (1.000) | 708975 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09824.D
Lab Smp Id: DM1CW1AB
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,0.020,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09824
Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1486177 | -13.35 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 1107289 | -10.25 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 708975 | -7.34 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.03 | -0.01 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.50 | 0.07 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.12 | -0.00 |

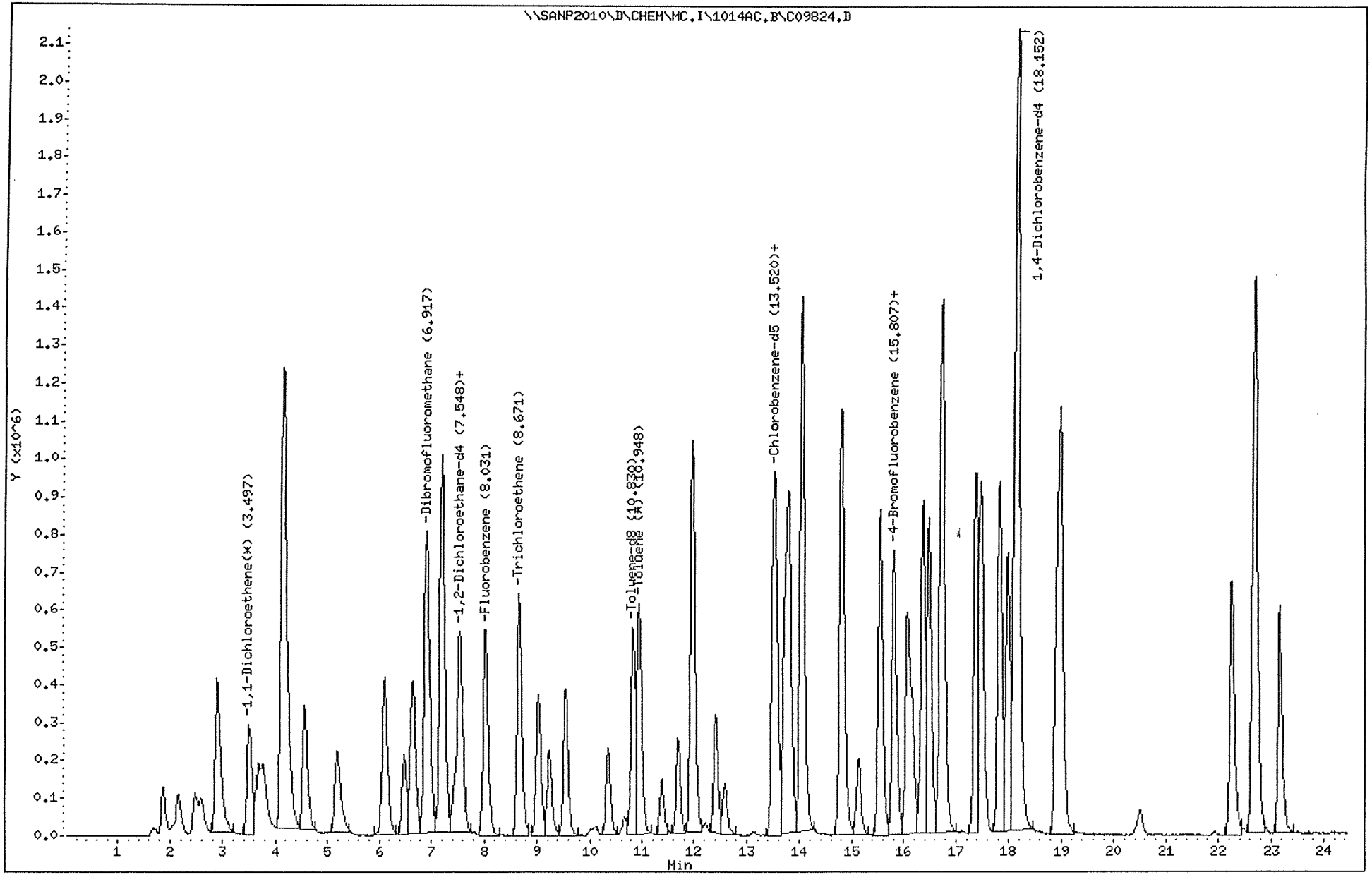
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09824.D
Date : 14-OCT-2000 19:49
Client ID: C09824
Sample Info: DM1CW1AB,MS,1,,0,1,0,8260BCL.M,C09824
Purge Volume: 0.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: AD
Column diameter: 0.53



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BOE-C6-0167468

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09825.D
Lab Smp Id: DM1CW1AC  Client Smp ID: C09825
Inj Date : 14-OCT-2000 20:19
Operator : AD  Inst ID: mc.i
Smp Info : DM1CW1AC,MSD,1,,0,1,0,8260BCL.M,C09825
Misc Info : ,0.020,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 2  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 0.020 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.496 | 3.498 | (0.436) | 395054 | 9.23272 | 11540 |
| $ 29 Dibromofluoromethane | 111 | 6.896 | 6.908 | (0.860) | 816172 | 10.2263 | 12780 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.438 | 7.450 | (0.927) | 380036 | 10.1798 | 12720 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.448 | 7.450 | (0.929) | 66837 | 10.1542 | 12690 |
| 35 Benzene | 78 | 7.536 | 7.548 | (0.940) | 1134160 | 9.54914 | 11940 |
| * 38 Fluorobenzene | 96 | 8.019 | 8.031 | (1.000) | 1495018 | 10.0000 | |
| 39 Trichloroethene | 130 | 8.660 | 8.672 | (1.080) | 711692 | 9.45901 | 11820 |
| $ 47 Toluene-d8 | 98 | 10.828 | 10.830 | (0.803) | 1169154 | 9.42421 | 11780 |
| 48 Toluene (*) | 91 | 10.947 | 10.948 | (0.811) | 1386505 | 8.70407 | 10880 |
| * 56 Chlorobenzene-d5 | 117 | 13.489 | 13.491 | (1.000) | 1142232 | 10.0000 | |
| 57 Chlorobenzene (**) | 112 | 13.548 | 13.550 | (1.004) | 1060174 | 8.65827 | 10820 |
| $ 66 4-Bromofluorobenzene | 95 | 15.805 | 15.797 | (1.172) | 927324 | 11.2323 | 14040 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.805 | 15.807 | (1.172) | 767274 | 10.9751 | 13720 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.112 | 18.123 | (1.000) | 702346 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09825.D
Lab Smp Id: DM1CW1AC
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,0.020,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09825
Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1495018 | -12.83 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 1142232 | -7.41 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 702346 | -8.20 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.02 | -0.15 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | -0.01 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.11 | -0.07 |

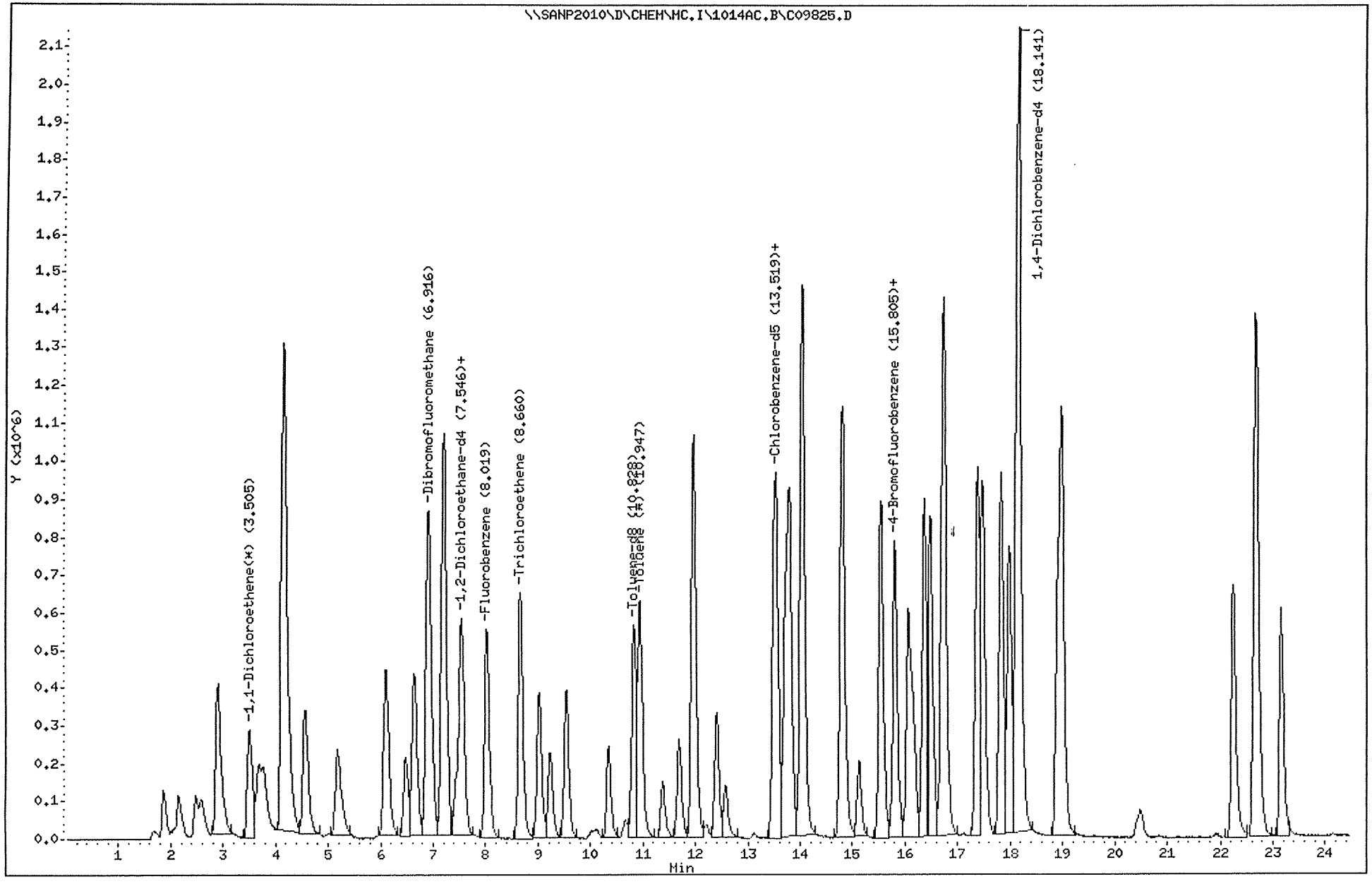
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09825.D
Date : 14-OCT-2000 20:19
Client ID: C09825
Sample Info: DM1CW1AC,MSD,1,,0,1,0,8260BCL.M,C09825
Purge Volume: 0.0
Column phase: J&W DB-624



Instrument: mc.i

Operator: AD
Column diameter: 0.53

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BOE-C6-0167471

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D
Lab Smp Id: DLW741AA  Client Smp ID: C09810
Inj Date : 14-OCT-2000 12:49
Operator : AD  Inst ID: mc.i
Smp Info : DLW741AA,,1,,0,1,0,8260BCL.M,C09810
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 14 Acrylonitrile | 53 | 7.458 | 7.430 | (0.929) | 39598 | 87.5502 | 87.55(Q) |
| $ 29 Dibromofluoromethane | 111 | 6.916 | 6.908 | (0.861) | 849375 | 10.1876 | 10.19 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.448 | 7.450 | (0.928) | 402124 | 10.3112 | 10.31 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.448 | 7.450 | (0.928) | 69003 | 10.0354 | 10.04 |
| 37 Tert-amyl methyl ether | 73 | 8.020 | 7.814 | (0.999) | 28889 | 0.45870 | 0.459(a) |
| * 38 Fluorobenzene | 96 | 8.030 | 8.031 | (1.000) | 1561748 | 10.0000 | |
| $ 47 Toluene-d8 | 98 | 10.829 | 10.830 | (0.802) | 1241570 | 10.0240 | 10.02 |
| * 56 Chlorobenzene-d5 | 117 | 13.500 | 13.491 | (1.000) | 1140402 | 10.0000 | |
| $ 66 4-Bromofluorobenzene | 95 | 15.806 | 15.797 | (1.171) | 910907 | 11.0512 | 11.05 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.806 | 15.807 | (1.171) | 742976 | 10.6446 | 10.64 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.132 | 18.123 | (1.000) | 691669 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09810.D
Lab Smp Id: DLW741AA
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,0,1-8260B.SUB

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09810
Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1561748 | -8.94 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 1140402 | -7.56 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 691669 | -9.60 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.03 | -0.02 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.50 | 0.06 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.13 | 0.05 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D
Lab Smp Id: DLW741AA Client Smp ID: C09810
Inj Date : 14-OCT-2000 12:49
Operator : AD Inst ID: mc.i
Smp Info : DLW741AA,,1,,0,1,0,8260BCL.M,C09810
Misc Info : ,25,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW741AA
Operator : AD
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: SDGa02609
Client Smp ID: C09810
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 0

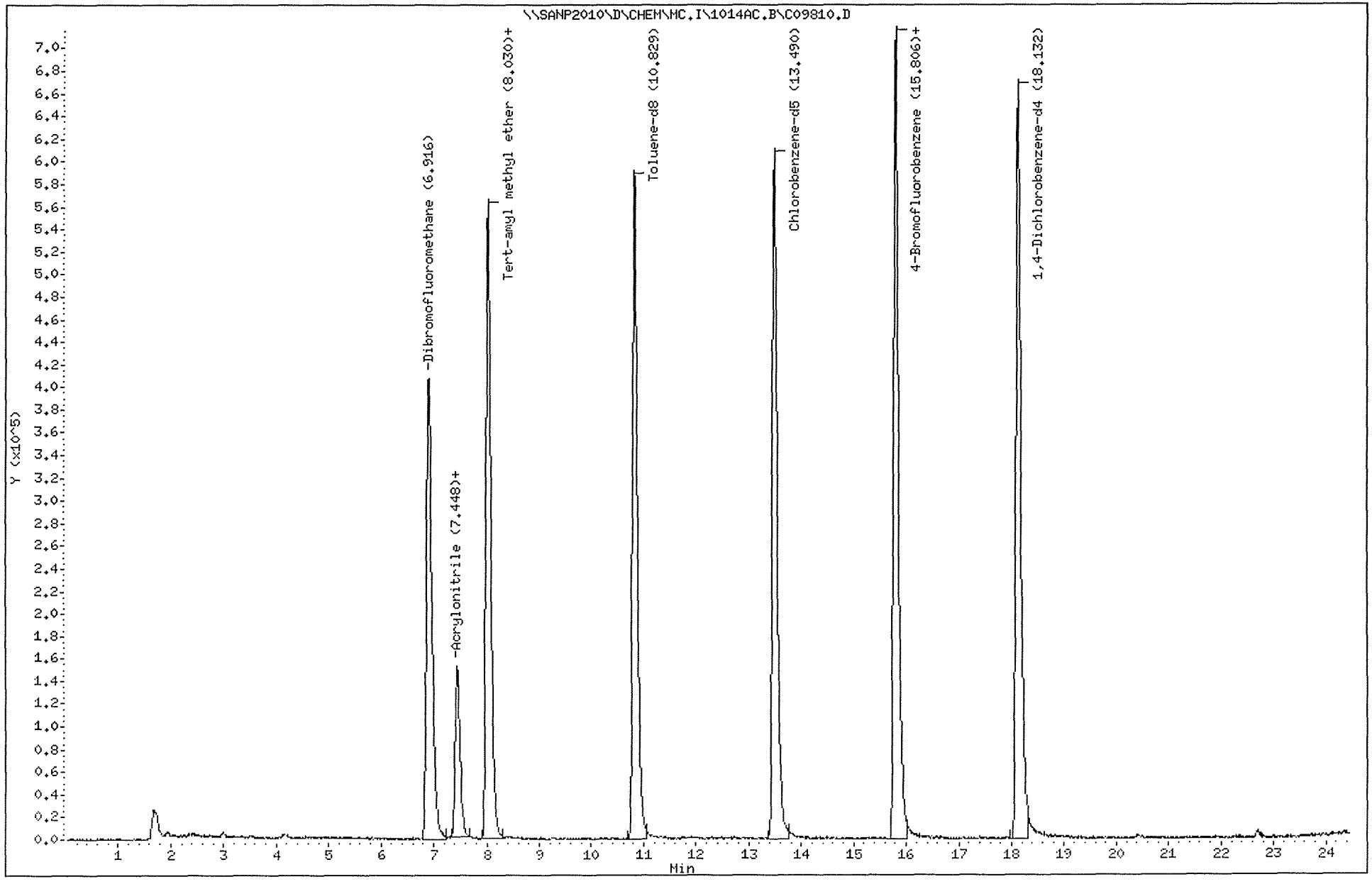
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D
Date : 14-OCT-2000 12:49
Client ID: C09810
Sample Info: DLW741AA,,1,,0,1,0,8260BCL.M,C09810
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i

Operator: AD
Column diameter: 0.53






BOE-C6-0167477

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D

Date : 14-OCT-2000 12:49

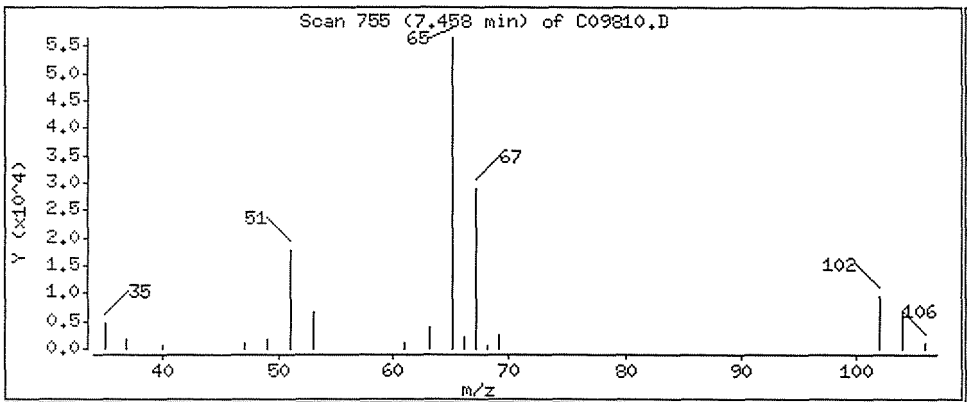
Client ID: C09810 Instrument: mc.i

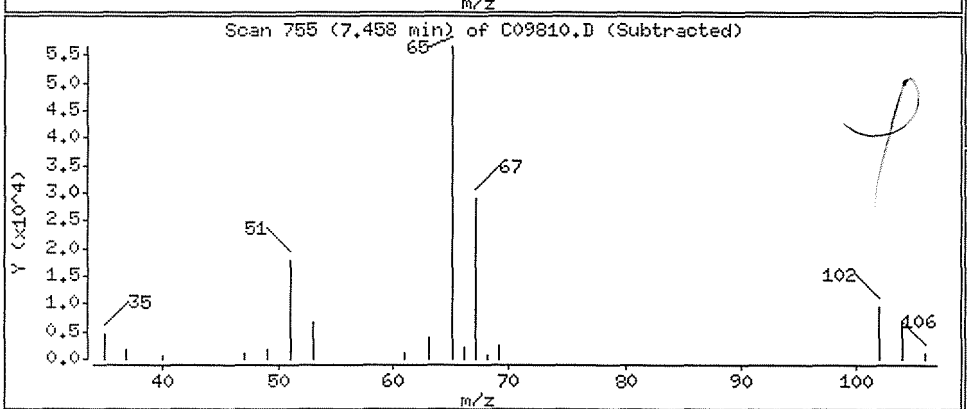
Sample Info: DLW741AA,,1,,0,1,0,8260BCL.M,C09810

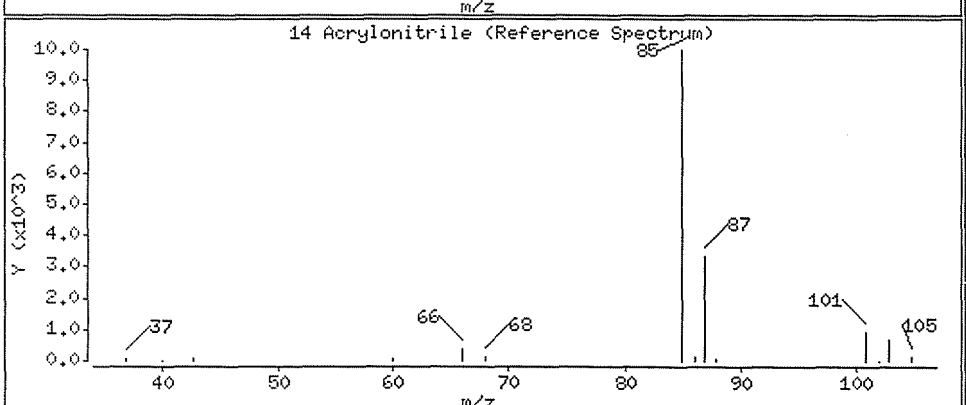
Purge Volume: 25.0 Operator: AD

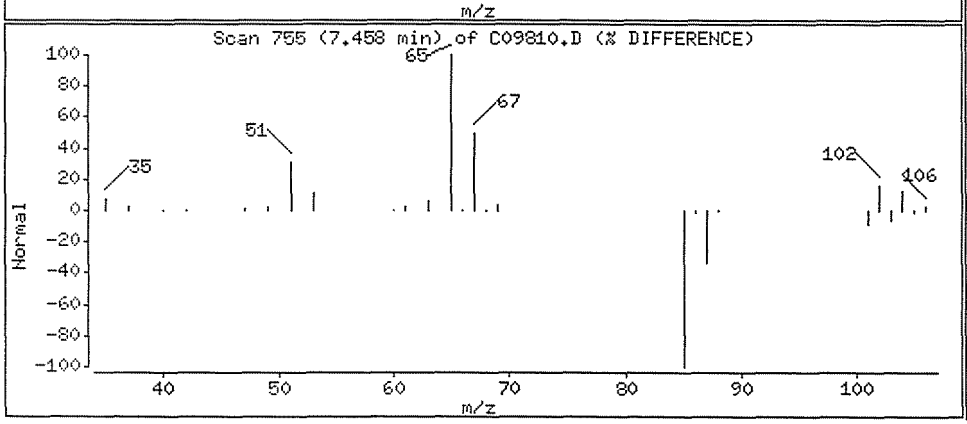
Column phase: J&W DB-624 Column diameter: 0.53

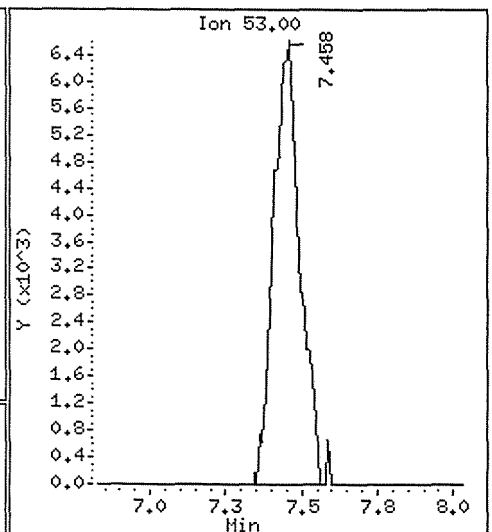
14 Acrylonitrile Concentration: 87.55 ug/L

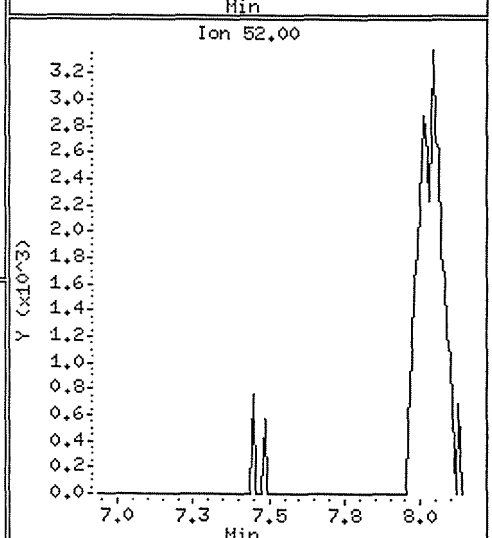


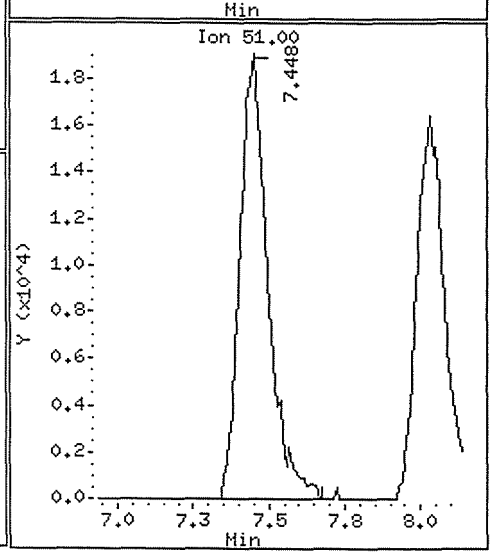



Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D

Date : 14-OCT-2000 12:49

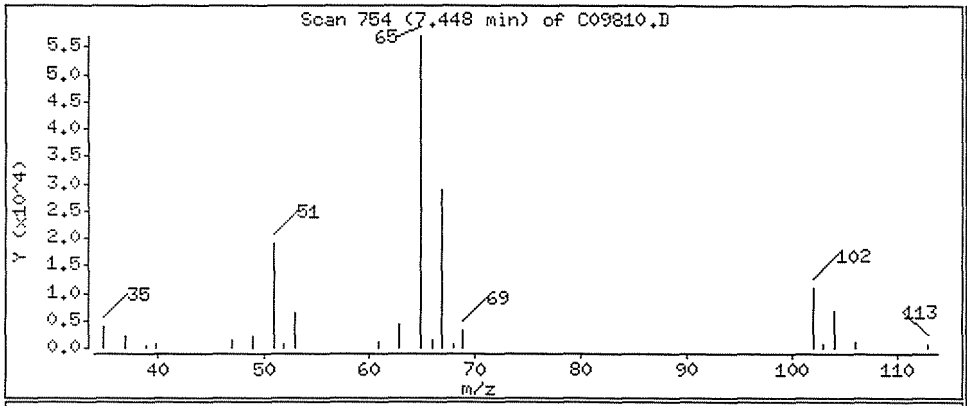
Client ID: C09810 Instrument: mc.i

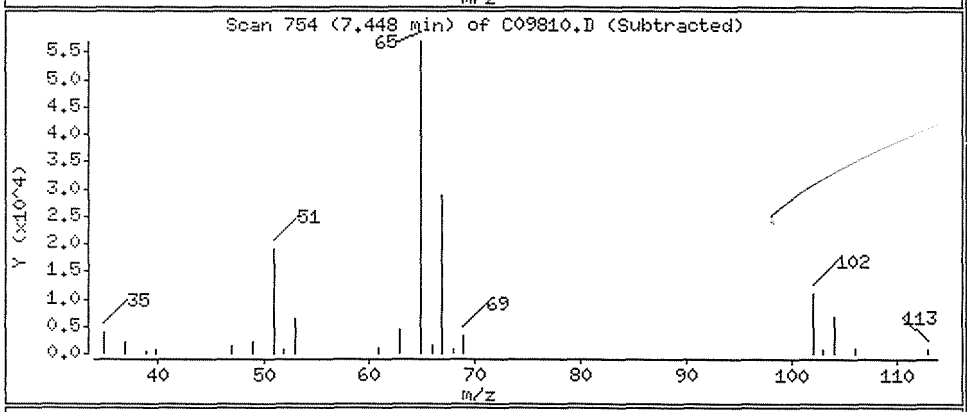
Sample Info: DLW741AA,,1,,0,1,0,8260BCL.M,C09810

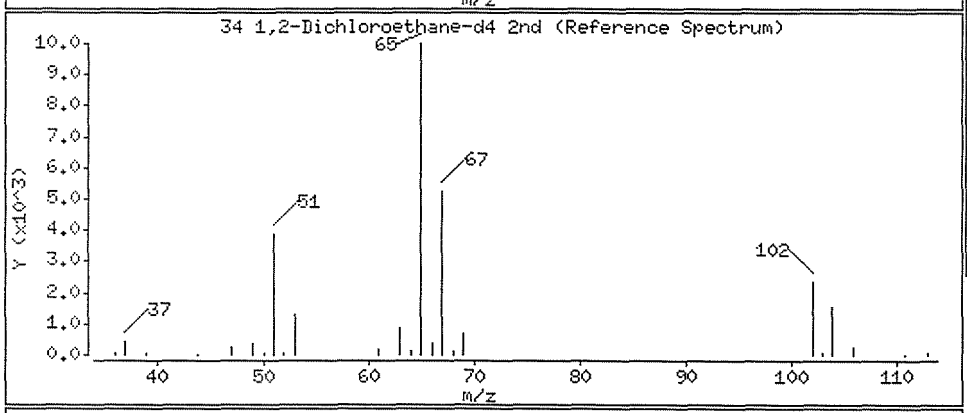
Purge Volume: 25.0 Operator: AD

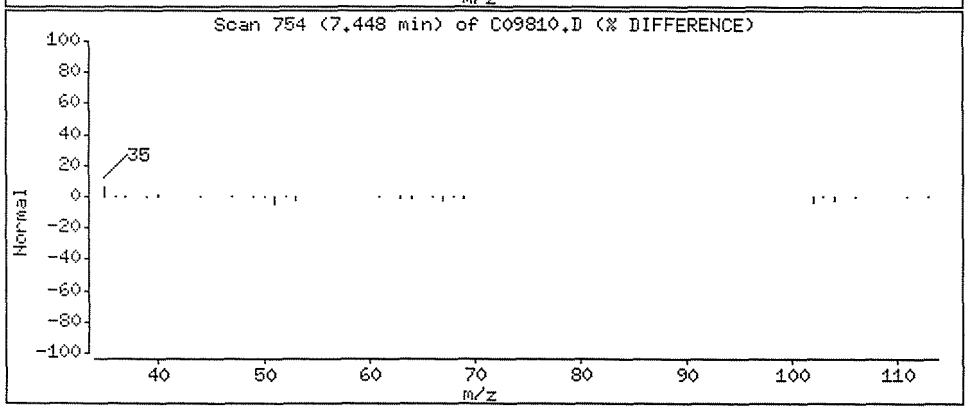
Column phase: J&W DB-624 Column diameter: 0.53

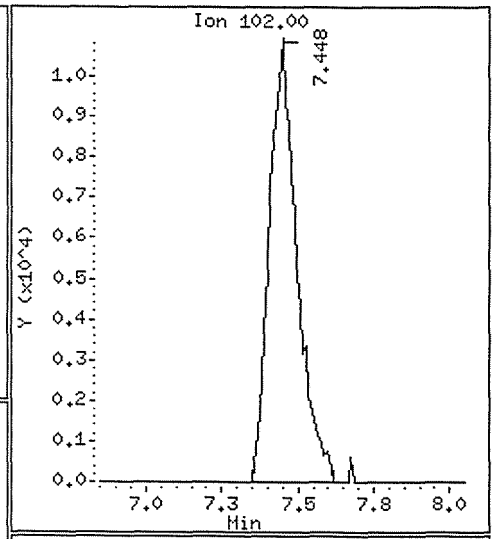
34 1,2-Dichloroethane-d4 2nd Concentration: 10.04 ug/L

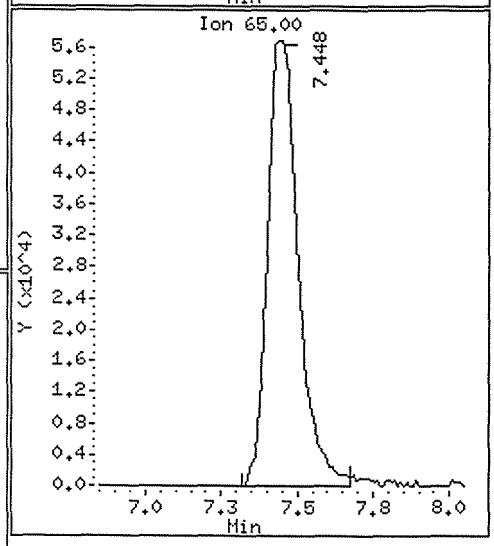


Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D



Date : 14-OCT-2000 12:49

Client ID: C09810

Instrument: mc.i

Sample Info: DLW741AA,,1,,0,1,0,8260BCL.M,C09810

Purge Volume: 25.0

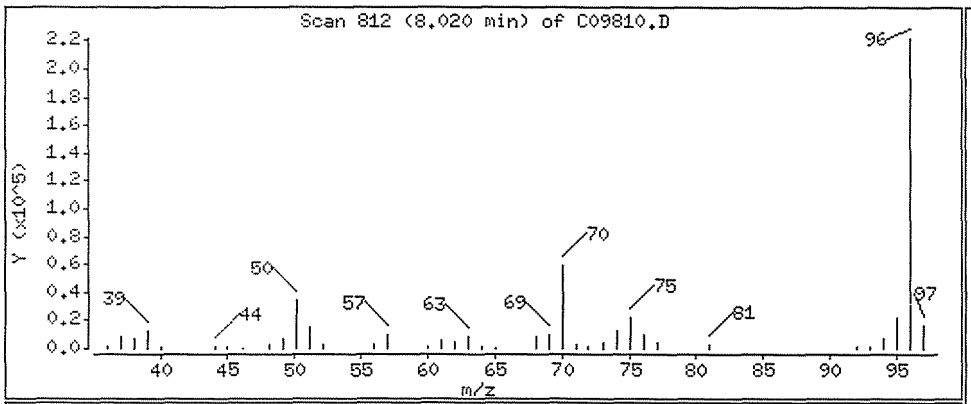
Operator: AD

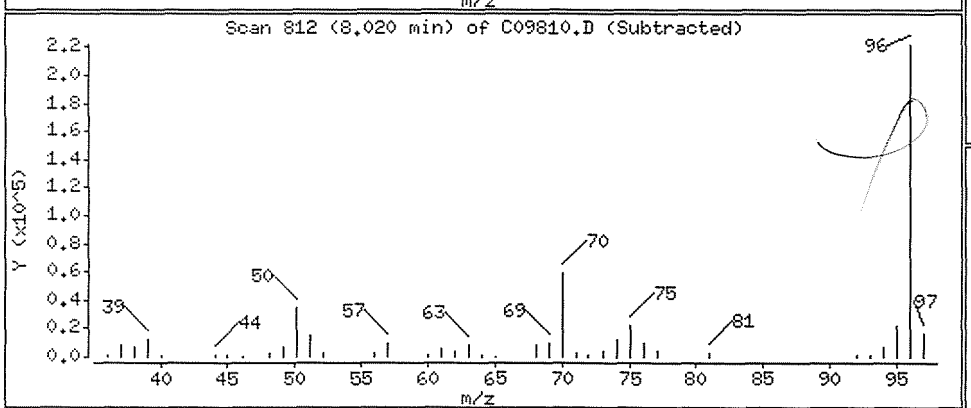
Column phase: J&W DB-624

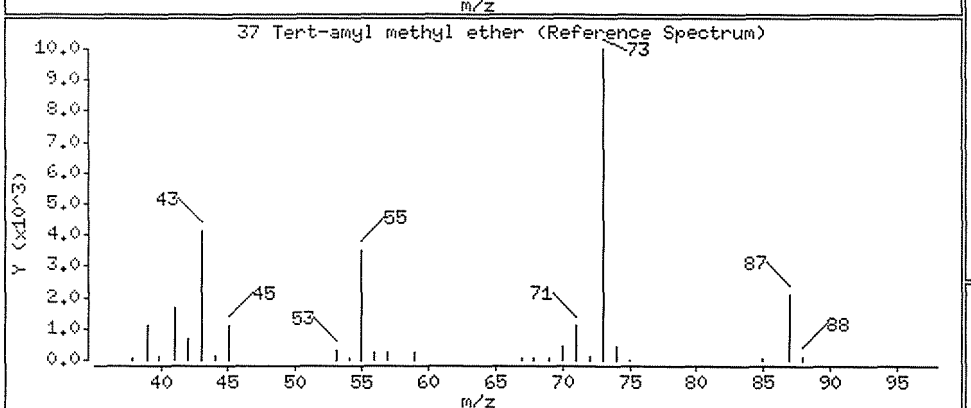
Column diameter: 0.53

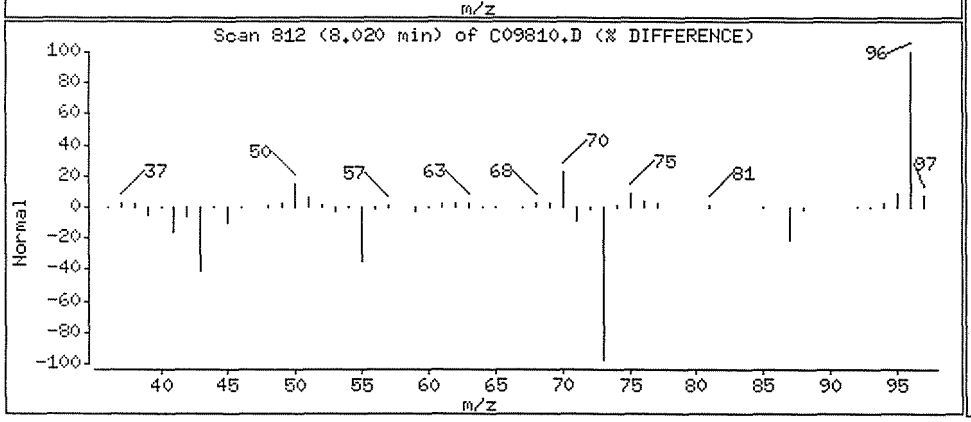
37 Tert-amyl methyl ether

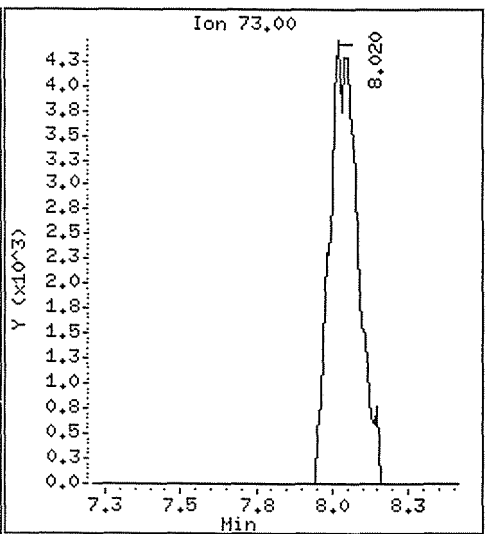
Concentration: 0.459 ug/L

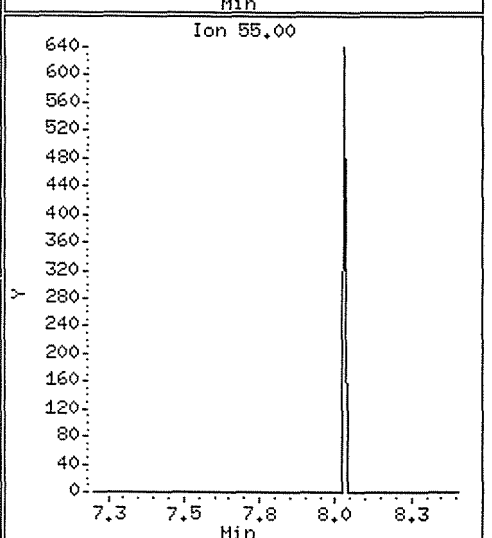


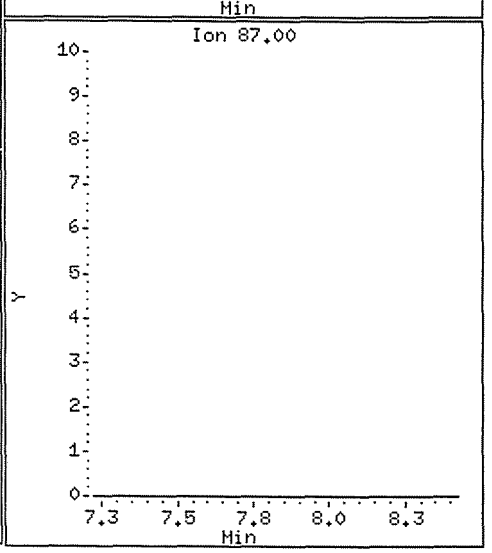



Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09810.D

Date : 14-OCT-2000 12:49

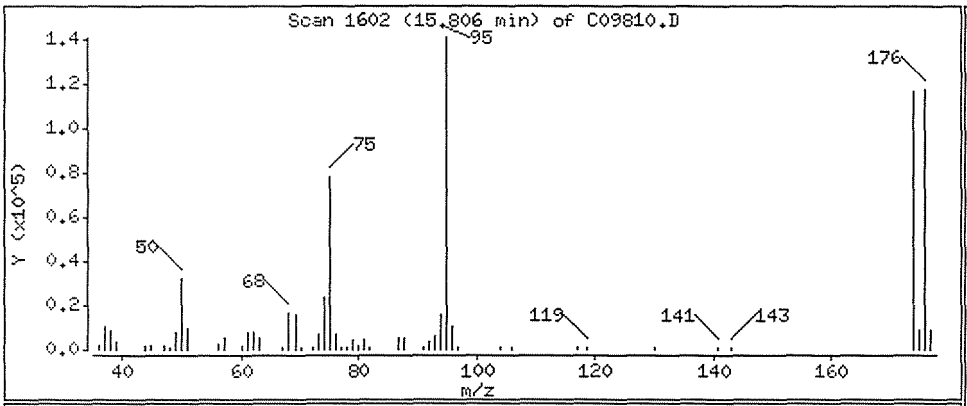
Client ID: C09810 Instrument: mc.i

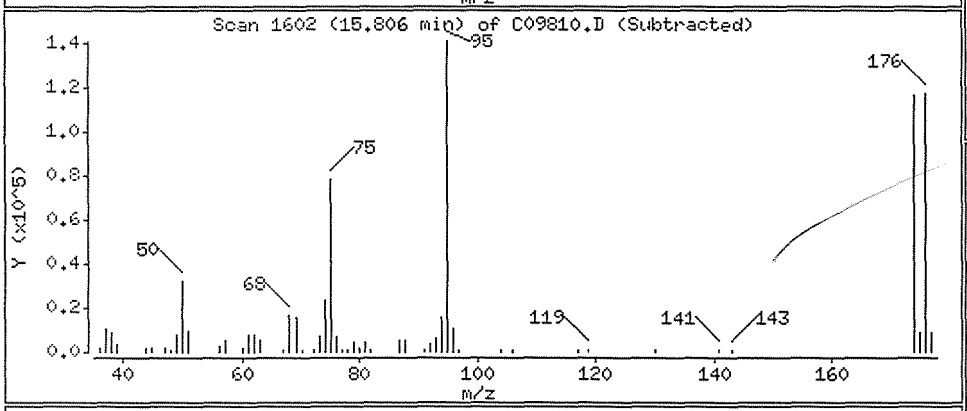
Sample Info: DLW741AA,,1,,0,1,0,8260BCL,M,C09810

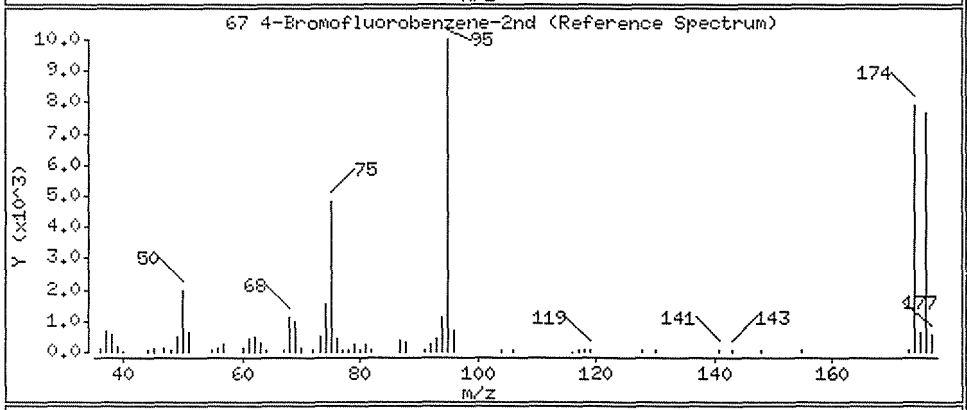
Purge Volume: 25.0 Operator: AD

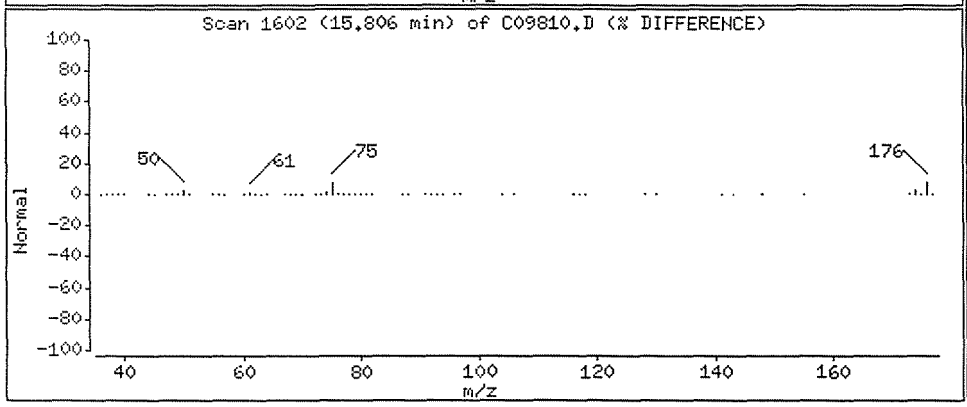
Column phase: J&W DB-624 Column diameter: 0.53

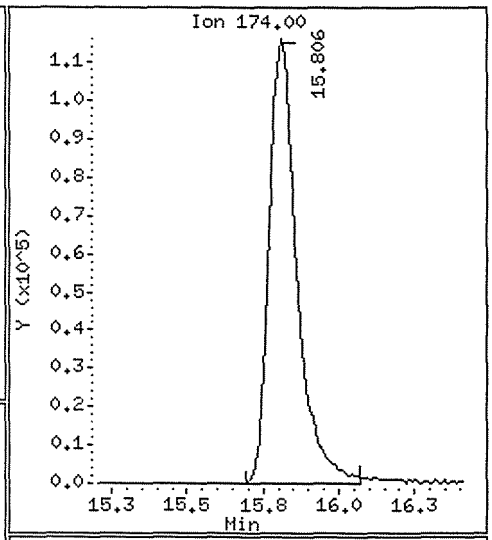
67 4-Bromofluorobenzene-2nd Concentration: 10.64 ug/L

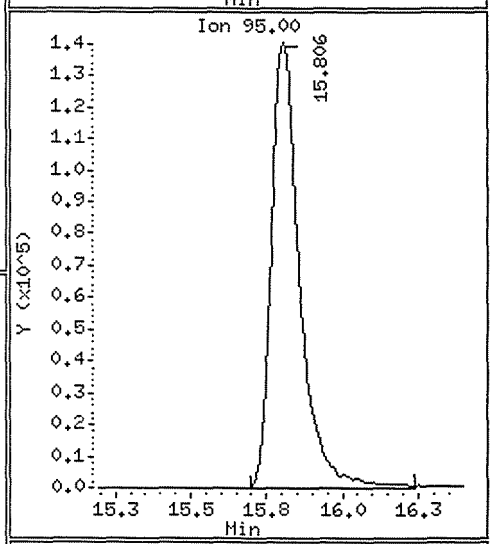


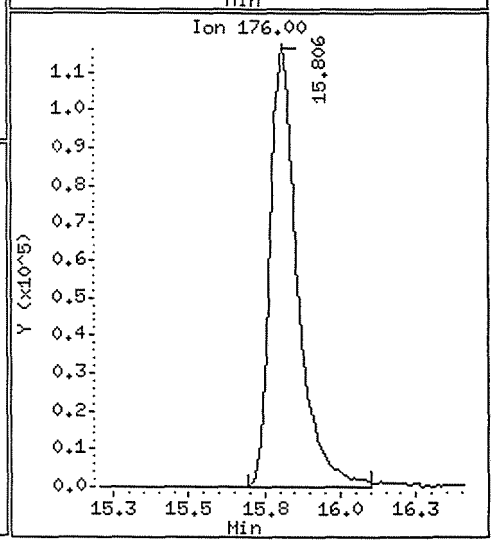



# 8260B SAMPLE / QC DATA

DATE ANALYZED: 10-15-2020

INSTRUMENT ID: MC

SAMPLES: FOJ1D0272



BOE-C6-0167482

STL Los Angeles

FJK 10/26/00

Batch ID: _____

# GC/MS VOA Run Log

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

| Instrument ID: MSC | EM Set: 1617 | Tune File: BFB-U | Seq File: 101SAC |
|---|---|---|---|
| Init. Cal ID: 8260BCL | | | Date: 101500 |

| Inj. Time | Analyst | File ID | Work Order # | AS # | Matrix | Sample Wt/Vol | Dil. | I.S. | Run | Rerun | pH | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10:42 | | CT1206 | 50ng BFB | — | — | 1ul | — | — | ✓ | | | MS20A 1198-1 |
| 11:02 | | CS2051 | 10ppb 8260B | 1 | 17 | 25ml | 1 | 179 | ✓ | | | IS1256-1, SM1256-2, STD R55-2 |
| 11:45 | | CO9831 | 101500ACHLCS-L | 2 | | | | 171 | ✓ | | | QC1252-1 |
| 12:15 | | 32 | RB-L | 3 | | | | 157 | N | | | Compared |
| 12:54 | | 33 | RB-L | 3 | | | | 163 | ✓ | | | |
| 13:32 | | 34 | DM09G1AA | 4 | | | | 161 | — | | <2 | EO3110283-1 |
| 14:02 | | 35 | DM09K1AA | 5 | | | | 148 | — | | | 2 |
| 14:32 | | 36 | DM09L1AA | 6 | | | | 146 | — | | | 3 |
| 15:02 | | 37 | DM09H1AA | 7 | | | | 108 | — | | | 4 |
| 15:32 | | 38 | DM099 1AA | 8 | | | | 132 | — | | | 5 |
| 16:01 | | 39 | DM1AH1AA | 8 | | | | 88 | — | | | 6 |
| 16:31 | | 40 | DM1AN1AA | 9 | | | | 123 | — | | | 7 |
| 17:01 | | 41 | DM1AT1AA | 10 | | | | 112 | — | | | 8 |
| 17:30 | | 42 | DM1AD1AA | 11 | | | | 127 | — | | | 9 |
| 18:00 | | 43 | DM17 1AA | 12 | | | | 143 | — | | | 10 |
| 18:30 | | 44 | DM1CA1AA | 13 | | | | 139 | — | | | 11 |
| 18:59 | | 45 | DM1CE1AA | 14 | | | | 135 | — | | | 12 |
| 19:29 | | 46 | DM1CA1AC | 15 | | | | 92 | N | | | Low IS 11MS |
| ~~20:28~~ | 19:59 | 47 | DM1CA1AD | 16 | | | | 70 | N | | | " 11MD |
| 20:28 | | 48 | DLW72101 | 1 | | 12.5 | 2 | 136 | — | | | EO3100272-25 |
| 20:58 | | 49 | DM3H81AD | 2 | | 1.0 | 25 | 125 | — | | | EO3120322-1 |
| 21:27 | | 50 | DM00P101 | 3 | | 0.002 | 12500 | 132 | N | | | 1ul EO3110243-1 |
| 21:57 | | 51 | DM01D101 | 4 | | | 12500 | 130 | — | | | 2 |
| 22:27 | | 52 | DM01E101 | 5 | | 0.5 | 50 | 120 | ✓ | | | 3 |
| 22:56 | | 53 | DM01G101 | 6 | | 0.002 | 12500 | 115 | AJ | | | out of tune 4 |

000362

BOE-C6-0167483

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02609

Lab File ID (Standard): CS2051 Date Analyzed: 10/15/00

Instrument ID: MC Time Analyzed: 1102

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

| | | IS1 AREA # | RT | IS2(CBZ) AREA # | RT | IS3(DCB) AREA # | RT |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1790453 | 8.02 | 1269503 | 13.48 | 761602 | 18.11 |
| | UPPER LIMIT | 3580906 | 8.52 | 2539006 | 13.98 | 1523204 | 18.61 |
| | LOWER LIMIT | 895227 | 7.52 | 634752 | 12.98 | 380801 | 17.61 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | C09831 | 1717656 | 8.02 | 1202411 | 13.48 | 727626 | 18.12 |
| 02 | C09832 | 1578762 | 8.01 | 1183920 | 13.48 | 689281 | 18.13 |
| 03 | C09832 | 1635763 | 8.01 | 1193817 | 13.48 | 683239 | 18.12 |
| 04 | C09834 | 1613426 | 8.00 | 1212600 | 13.48 | 722543 | 18.11 |
| 05 | C09835 | 1481383 | 8.02 | 1105971 | 13.48 | 653629 | 18.12 |
| 06 | C09836 | 1461428 | 8.02 | 1076775 | 13.49 | 644575 | 18.12 |
| 07 | C09837 | 1081038 | 8.03 | 801204 | 13.48 | 458028 | 18.12 |
| 08 | C09838 | 1323409 | 8.02 | 993641 | 13.49 | 605655 | 18.12 |
| 09 | C09839 | 889038* | 8.02 | 685914 | 13.49 | 416648 | 18.12 |
| 10 | C09840 | 1236748 | 8.03 | 908552 | 13.49 | 527250 | 18.12 |
| 11 | C09841 | 1127579 | 8.02 | 868915 | 13.49 | 521005 | 18.12 |
| 12 | C09842 | 1270488 | 8.02 | 958776 | 13.48 | 580522 | 18.12 |
| 13 | C09843 | 1432899 | 8.01 | 1072426 | 13.48 | 642738 | 18.12 |
| 14 | C09844 | 1390798 | 8.02 | 1000047 | 13.48 | 587308 | 18.12 |
| 15 | C09845 | 1350014 | 8.02 | 1034963 | 13.48 | 607958 | 18.12 |
| 16 | C09846 | 820464* | 8.01 | 625409* | 13.47 | 405091 | 18.11 |
| 17 | C09847 | 703452* | 8.00 | 537656* | 13.48 | 355489* | 18.11 |
| 18 | C09848 | 1363266 | 8.02 | 1015942 | 13.48 | 615104 | 18.11 |
| 19 | C09849 | 1252568 | 8.02 | 939231 | 13.48 | 561723 | 18.11 |
| 20 | C09850 | 1320366 | 8.01 | 977353 | 13.48 | 583440 | 18.11 |
| 21 | C09851 | 1306604 | 8.02 | 958848 | 13.48 | 591927 | 18.11 |
| 22 | C09852 | 1203718 | 8.01 | 911407 | 13.48 | 552362 | 18.11 |

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

# Column used to flag internal standard area values with an asterisk.



FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA02609

Lab File ID (Standard): CS2051 Date Analyzed: 10/15/00

Instrument ID: MC Time Analyzed: 1102

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

| | | IS1 AREA # | RT | IS2(CBZ) AREA # | RT | IS3(DCB) AREA # | RT |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1790453 | 8.02 | 1269503 | 13.48 | 761602 | 18.11 |
| | UPPER LIMIT | 3580906 | 8.52 | 2539006 | 13.98 | 1523204 | 18.61 |
| | LOWER LIMIT | 895227 | 7.52 | 634752 | 12.98 | 380801 | 17.61 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | C09853 | 1154302 | 8.02 | 836386 | 13.47 | 485628 | 18.11 |
| 02 | | | | | | | |
| 03 | | | | | | | |
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| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

# Column used to flag internal standard area values with an asterisk.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D



Date : 15-OCT-2000 10:42

Client ID:

Instrument: mc.i

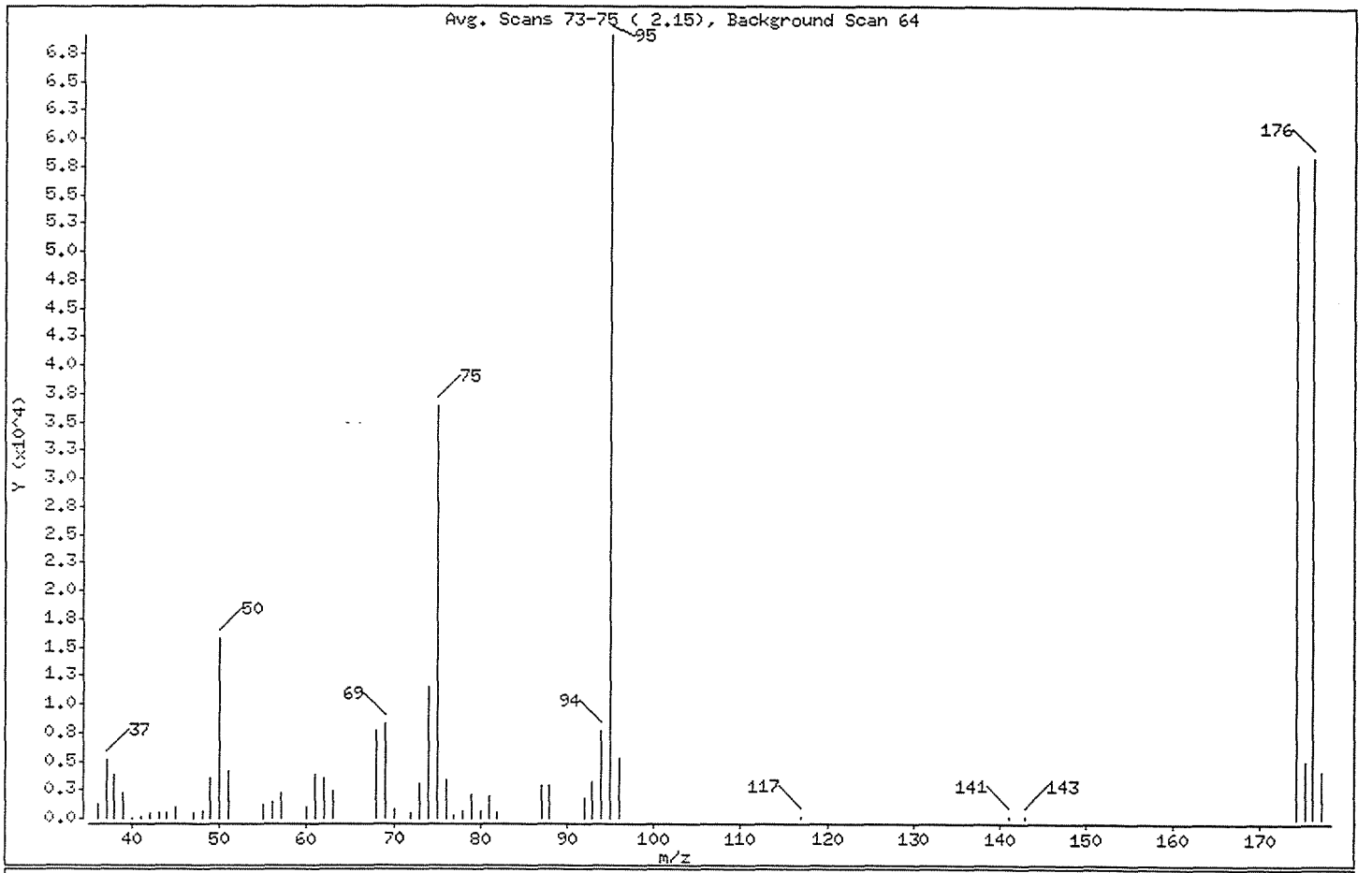
Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

1 p-Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 22.77 |
| 75 | 30.00 - 60.00% of mass 95 | 52.64 |
| 96 | 5.00 - 9.00% of mass 95 | 7.58 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 83.67 |
| 175 | 5.00 - 9.00% of mass 174 | 7.16 ( 8.55) |
| 176 | 95.00 - 101.00% of mass 174 | 84.51 (101.00) |
| 177 | 5.00 - 9.00% of mass 176 | 5.90 ( 6.98) |

10-16-00

STL Los Angeles

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D
Lab Smp Id:
Inj Date : 15-OCT-2000 10:42
Operator : RRT Inst ID: mc.i
Smp Info : 50NG BFB,BFB,,,,,,BFB.M
Misc Info : ,,,,3,ALL.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\BFB.M
Meth Date : 23-May-2000 08:08 kentf Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vf * VI

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | ng unit correction factor |
| Vf | 1.000 | Volumetric correction factor |
| VI | 1.000 | Injection Volume |

| RT | EXP RT | (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 p-Bromofluorobenzene | | | | | | CAS #: 460-00-4 | | |
| 2.1486 | 2.1000 | (0.000) | 95 | 69050 | | | 0.00- 100.00 | 100.00 |
| 2.1486 | 2.1000 | (0.000) | 50 | 15720 | | | 15.00- 40.00 | 22.77 |
| 2.1486 | 2.1000 | (0.000) | 75 | 36346 | | | 30.00- 60.00 | 52.64 |
| 2.1486 | 2.1000 | (0.000) | 96 | 5236 | | | 5.00- 9.00 | 7.58 |
| 2.1486 | 2.1000 | (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 2.1486 | 2.1000 | (0.000) | 174 | 57776 | | | 50.00- 0.00 | 83.67 |
| 2.1486 | 2.1000 | (0.000) | 175 | 4942 | | | 5.00- 9.00 | 8.55 |
| 2.1486 | 2.1000 | (0.000) | 176 | 58352 | | | 95.00- 101.00 | 101.00 |
| 2.1486 | 2.1000 | (0.000) | 177 | 4071 | | | 5.00- 9.00 | 6.98 |

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D



Date : 15-OCT-2000 10:42

Client ID:

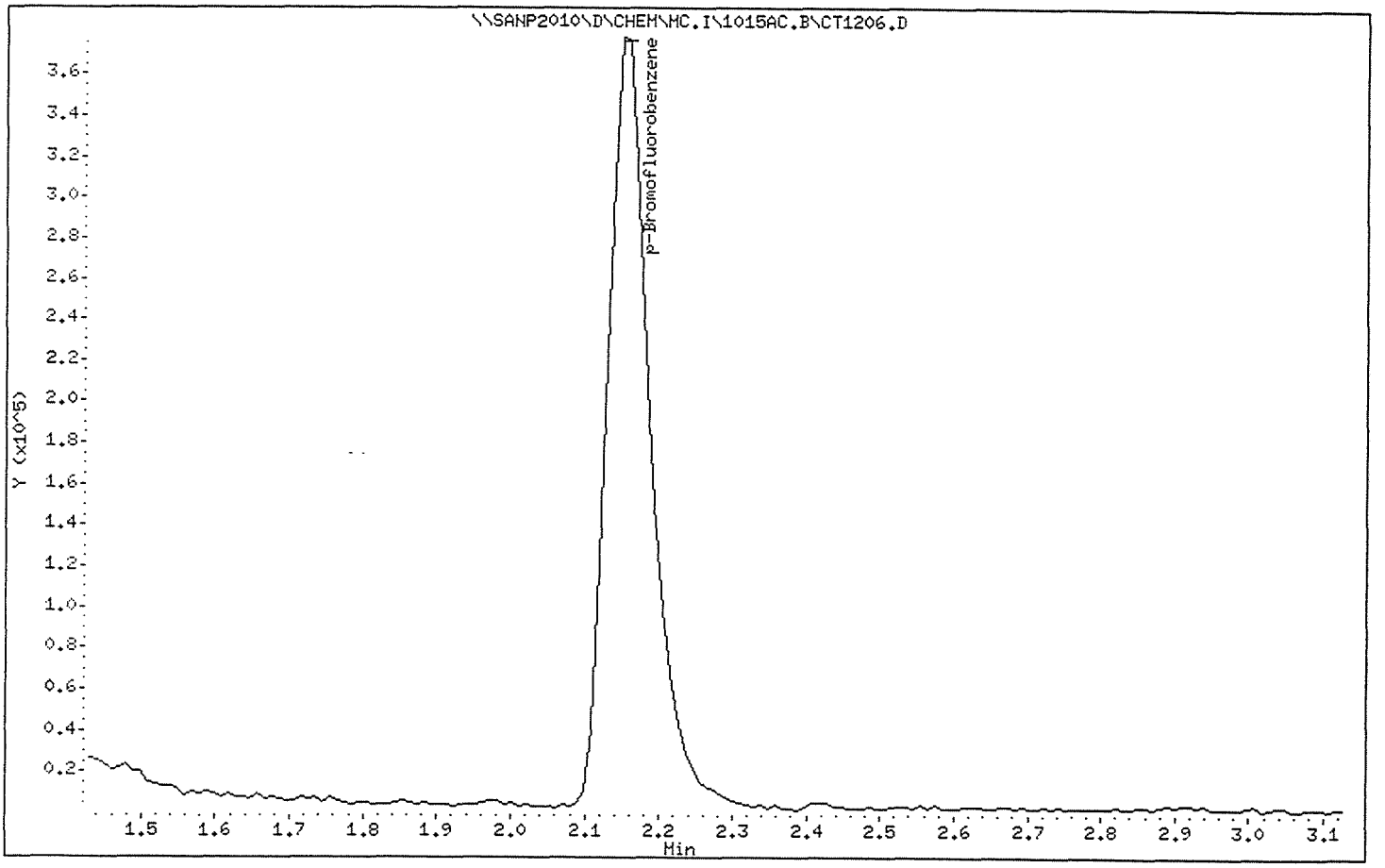
Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\CT1206.D



Date : 15-OCT-2000 10:42

Client ID:

Instrument: mc.i

Sample Info: 50NG BFB,BFB,,,,,,BFB.M

Operator: RRT

Column phase: J&W DB-624

Column diameter: 0.53

Data File: CT1206.D
Spectrum: Avg. Scans 73-75 ( 2.15), Background Scan 64
Location of Maximum: 95.00
Number of points: 50

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 36.00 | 1265 | 50.00 | 15720 | 73.00 | 3091 | 93.00 | 3152 |
| 37.00 | 5134 | 51.00 | 4154 | 74.00 | 11494 | 94.00 | 7639 |
| 38.00 | 3819 | 55.00 | 1262 | 75.00 | 36344 | 95.00 | 69048 |
| 39.00 | 2147 | 56.00 | 1413 | 76.00 | 3291 | 96.00 | 5236 |
| 40.00 | 64 | 57.00 | 2219 | 77.00 | 386 | 117.00 | 194 |
| 41.00 | 154 | 60.00 | 998 | 78.00 | 587 | 141.00 | 170 |
| 42.00 | 501 | 61.00 | 3884 | 79.00 | 2070 | 143.00 | 181 |
| 43.00 | 493 | 62.00 | 3460 | 80.00 | 662 | 174.00 | 57776 |
| 44.00 | 536 | 63.00 | 2454 | 81.00 | 1841 | 175.00 | 4942 |
| 45.00 | 935 | 68.00 | 7574 | 82.00 | 423 | 176.00 | 58352 |
| 47.00 | 492 | 69.00 | 8306 | 87.00 | 2923 | 177.00 | 4071 |
| 48.00 | 655 | 70.00 | 775 | 88.00 | 2778 | | |
| 49.00 | 3475 | 72.00 | 412 | 92.00 | 1812 | | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2051.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m

Injection Date: 15-OCT-2000 11:02
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

| | COMPOUND | RRF | RF10 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 1 Dichlorodifluoromethane | 0.47812 | 0.40799 | 0.010 | -14.7 | 50.0 | |
| | 2 Chloromethane (**) | 0.17821 | 0.17907 | 0.100 | 0.5 | 50.0 | |
| | 3 Vinyl chloride (*) | 0.21289 | 0.22556 | 0.010 | 5.9 | 20.0 | |
| | 4 Bromomethane | 0.22509 | 0.24474 | 0.010 | 8.7 | 50.0 | |
| | 5 Chloroethane | 0.13761 | 0.14968 | 0.010 | 8.8 | 50.0 | |
| | 6 Trichlorofluoromethane | 0.79484 | 0.73014 | 0.010 | -8.1 | 50.0 | |
| | 7 Acrolein | 0.01737 | 0.01733 | 0.010 | -0.3 | 50.0 | |
| | 8 1,1-Dichloroethene(*) | 0.28621 | 0.27572 | 0.010 | -3.7 | 20.0 | |
| | 9 1,1,2-Trichlorotrifluoroeth | 0.47679 | 0.44763 | 0.010 | -6.1 | 50.0 | |
| | 10 Iodomethane | 0.51178 | 0.52189 | 0.010 | 2.0 | 50.0 | |
| | 11 Acetone | 0.02094 | 0.02009 | 0.010 | -4.0 | 50.0 | |
| | 12 Carbon disulfide | 0.56701 | 0.82535 | 0.010 | 45.6 | 50.0 | |
| | 13 Methylene chloride | 0.22775 | 0.24544 | 0.010 | 7.8 | 50.0 | |
| | 14 Acrylonitrile | 0.00290 | 0.00328 | 0.010 | 13.4 | 50.0 | <- |
| | 15 t-Butanol | 0.00522 | 0.00512 | 0.010 | -2.0 | 20.0 | <- |
| | 16 Vinyl acetate | 0.30083 | 0.27270 | 0.010 | -9.3 | 50.0 | |
| | 17 trans-1,2-Dichloroethene | 0.32739 | 0.34158 | 0.010 | 4.3 | 20.0 | |
| | 18 Methyl-tert-butyl ether[MTB | 0.28643 | 0.27845 | 0.010 | -2.8 | 50.0 | |
| | 19 1,1-Dichloroethane (**) | 0.52501 | 0.51265 | 0.100 | -2.4 | 20.0 | |
| | 20 Isopropyl ether | 0.69947 | 0.72556 | 0.010 | 3.7 | 20.0 | |
| | 21 Tert-butyl ethyl ether | 0.56109 | 0.56684 | 0.010 | 1.0 | 20.0 | |
| M | 22 1,2-Dichloroethene (total) | 0.31727 | 0.33375 | 0.010 | 5.2 | 20.0 | |
| | 23 2,2-Dichloropropane | 0.31788 | 0.20752 | 0.010 | -34.7 | 50.0 | |
| | 24 cis-1,2-Dichloroethene | 0.30715 | 0.32592 | 0.010 | 6.1 | 20.0 | |
| | 25 2-Butanone | 0.02365 | 0.02131 | 0.010 | -9.9 | 50.0 | |
| | 26 Bromochloromethane | 0.14855 | 0.16227 | 0.010 | 9.2 | 50.0 | |
| | 27 Tetrahydrofuran | 0.01188 | 0.01652 | 0.010 | 39.1 | 50.0 | |
| | 28 Chloroform (*) | 0.76245 | 0.74291 | 0.010 | -2.6 | 20.0 | |
| $ | 29 Dibromofluoromethane | 0.53385 | 0.54854 | 0.010 | 2.8 | 50.0 | |
| | 30 1,1,1-Trichloroethane | 0.74110 | 0.71737 | 0.010 | -3.2 | 20.0 | |
| | 31 Carbon Tetrachloride | 0.69529 | 0.68067 | 0.010 | -2.1 | 20.0 | |
| | 32 1,1-Dichloropropene | 0.57059 | 0.55676 | 0.010 | -2.4 | 50.0 | |
| $ | 33 1,2-Dichloroethane-d4 | 0.24971 | 0.24354 | 0.010 | -2.5 | 50.0 | |
| | 34 1,2-Dichloroethane-d4 2nd | 0.04403 | 0.05097 | 0.010 | 15.8 | 50.0 | |
| | 35 Benzene | 0.79444 | 0.83733 | 0.010 | 5.4 | 20.0 | |

10-16-00

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2051.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m

Injection Date: 15-OCT-2000 11:02
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

| | COMPOUND | RRF | RF10 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 36 1,2-Dichloroethane | 0.32092 | 0.30767 | 0.010 | -4.1 | 20.0 | |
| | 37 Tert-amyl methyl ether | 0.40327 | 0.43585 | 0.010 | 8.1 | 20.0 | |
| | 39 Trichloroethene | 0.50327 | 0.50284 | 0.010 | -0.1 | 20.0 | |
| | 40 1,2-Dichloropropane(*) | 0.27539 | 0.28651 | 0.010 | 4.0 | 20.0 | |
| | 41 Dibromomethane | 0.18816 | 0.19412 | 0.010 | 3.2 | 50.0 | |
| | 42 Bromodichloromethane | 0.54942 | 0.57303 | 0.010 | 4.3 | 20.0 | |
| | 43 2-Chloroethylvinyl ether | 0.00485 | 0.00694 | 0.010 | 43.0 | 50.0 | <- |
| | 44 1-Bromo-2-chloroethane | 0.25567 | 0.28464 | 0.010 | 11.3 | 50.0 | |
| | 45 cis-1,3-Dichloropropene | 0.31011 | 0.31496 | 0.010 | 1.6 | 50.0 | |
| | 46 4-Methyl-2-pentanone | 0.06770 | 0.07130 | 0.010 | 5.3 | 50.0 | |
| $ | 47 Toluene-d8 | 1.08611 | 1.11726 | 0.010 | 2.9 | 50.0 | |
| | 48 Toluene (*) | 1.39458 | 1.47804 | 0.010 | 6.0 | 20.0 | |
| | 49 trans-1,3-Dichloropropene | 0.27496 | 0.26319 | 0.010 | -4.3 | 50.0 | |
| | 50 1,1,2-Trichloroethane | 0.23393 | 0.25205 | 0.010 | 7.7 | 50.0 | |
| | 51 Tetrachloroethene | 0.72855 | 0.76198 | 0.010 | 4.6 | 20.0 | |
| | 52 1,3-Dichloropropane | 0.37597 | 0.40627 | 0.010 | 8.1 | 50.0 | |
| | 53 2-Hexanone | 0.06631 | 0.06442 | 0.010 | -2.9 | 50.0 | |
| | 54 Dibromochloromethane | 0.49465 | 0.53546 | 0.010 | 8.3 | 50.0 | |
| | 55 1,2-Dibromoethane | 0.31686 | 0.31801 | 0.010 | 0.4 | 50.0 | |
| | 57 Chlorobenzene (**) | 1.07199 | 1.11907 | 0.300 | 4.4 | 50.0 | |
| | 58 1,1,1,2-Tetrachloroethane | 0.53784 | 0.58928 | 0.010 | 9.6 | 50.0 | |
| | 59 Ethylbenzene (*) | 0.52935 | 0.55135 | 0.010 | 4.2 | 20.0 | |
| | 60 m,p-Xylenes | 0.65171 | 0.70421 | 0.010 | 8.1 | 20.0 | |
| M | 61 Xylenes (total) | 0.63479 | 0.68319 | 0.010 | 7.6 | 20.0 | |
| | 62 o-Xylene | 0.60095 | 0.64115 | 0.010 | 6.7 | 20.0 | |
| | 63 Styrene | 0.87833 | 0.95587 | 0.010 | 8.8 | 50.0 | |
| | 64 Bromoform (**) | 0.27134 | 0.31159 | 0.100 | 14.8 | 50.0 | |
| | 65 Isopropylbenzene | 2.09661 | 2.18269 | 0.010 | 4.1 | 50.0 | |
| $ | 66 4-Bromofluorobenzene | 0.72278 | 0.72633 | 0.010 | 0.5 | 50.0 | |
| | 67 4-Bromofluorobenzene-2nd | 0.61205 | 0.61619 | 0.010 | 0.7 | 50.0 | |
| | 68 Bromobenzene | 0.95805 | 0.98612 | 0.010 | 2.9 | 50.0 | |
| | 69 1,1,2,2-Tetrachloroethane(* | 0.45959 | 0.50325 | 0.300 | 9.5 | 50.0 | |
| | 70 1,2,3-Trichloropropane | 0.12147 | 0.13849 | 0.010 | 14.0 | 50.0 | |
| | 71 n-Propylbenzene | 4.06276 | 4.05097 | 0.010 | -0.3 | 50.0 | |
| | 72 2-Chlorotoluene | 0.81296 | 0.85247 | 0.010 | 4.9 | 50.0 | |
| | 73 4-Chlorotoluene | 0.79102 | 0.82746 | 0.010 | 4.6 | 50.0 | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mc.i
Lab File ID: CS2051.D
Analysis Type: WATER
Lab Sample ID: 10PPB 8260BSTD
Method: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m

Injection Date: 15-OCT-2000 11:02
Init. Cal. Date(s): 13-OCT-2000 13-OCT-2000
Init. Cal. Times: 17:00 19:30
Quant Type: ISTD

| COMPOUND | RRF | RF10 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|
| 74 1,3,5-Trimethylbenzene | 2.83677 | 2.96077 | 0.010 | 4.4 | 50.0 |
| 75 tert-Butylbenzene | 3.12145 | 3.16336 | 0.010 | 1.3 | 50.0 |
| 76 1,2,4-Trimethylbenzene | 2.77919 | 2.83710 | 0.010 | 2.1 | 50.0 |
| 77 sec-Butylbenzene | 4.16324 | 4.23236 | 0.010 | 1.7 | 50.0 |
| 78 1,3-Dichlorobenzene | 1.70685 | 1.73211 | 0.010 | 1.5 | 50.0 |
| 80 p-Isopropyltoluene | 3.46639 | 3.52020 | 0.010 | 1.6 | 50.0 |
| 81 1,4-Dichlorobenzene | 1.72203 | 1.81654 | 0.010 | 5.5 | 50.0 |
| 82 1,2-Dichlorobenzene | 1.37848 | 1.41622 | 0.010 | 2.7 | 50.0 |
| 83 n-Butylbenzene | 3.43040 | 3.44046 | 0.010 | 0.3 | 50.0 |
| 84 1,2-Dibromo-3-chloropropane | 0.08952 | 0.09796 | 0.010 | 9.4 | 50.0 |
| 85 1,2,4-Trichlorobenzene | 1.26755 | 1.25947 | 0.010 | -0.6 | 50.0 |
| 86 Hexachlorobutadiene | 1.72387 | 1.76203 | 0.010 | 2.2 | 50.0 |
| 87 Napthalene | 0.80240 | 0.78501 | 0.010 | -2.2 | 20.0 |
| 88 1,2,3-Trichlorobenzene | 0.96366 | 0.95020 | 0.010 | -1.4 | 50.0 |

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2010\D\chem\mc.i\1015AC.B/CS2051.D
Inj. Date : 15-OCT-2000 11:02

ICAL Mid Point : //SANP2010/D/chem/mc.i/1013BC.B/CS2047.D
Inj. Date : 13-OCT-2000 18:30

| IS NAME | ICAL RT | CCV RT | DIFF. | ICAL AREA | CCV AREA | %DIFF. |
|---|---|---|---|---|---|---|
| Fluorobenzene | 8.02 | 8.02 | 0.00 | 1611523 | 1790453 | 111.1% |
| Chlorobenzene-d5 | 13.49 | 13.48 | 0.01 | 1203388 | 1269503 | 105.5% |
| 1,4-Dichlorobenzene-d4 | 18.11 | 18.11 | 0.00 | 758273 | 761602 | 100.4% |

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: CS2051.D
Lab Smp Id: 10PPB 8260BSTD
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,25,,,2,1-8260B.SUB

Calibration Date: 15-OCT-2000
Calibration Time: 11:02

Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1790453 | 895227 | 3580906 | 1790453 | 0.00 |
| 56 Chlorobenzene-d5 | 1269503 | 634752 | 2539006 | 1269503 | 0.00 |
| 79 1,4-Dichlorobenze | 761602 | 380801 | 1523204 | 761602 | 0.00 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | 0.00 |
| 56 Chlorobenzene-d5 | 13.48 | 12.98 | 13.98 | 13.48 | 0.00 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.11 | 0.00 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1015AC.B\CS2051.D
Lab Smp Id: 10PPB 8260BSTD
Inj Date : 15-OCT-2000 11:02
Operator : RRT Inst ID: mc.i
Smp Info : 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Misc Info : ,25,,,2,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.859 | 1.859 | (0.232) | 730482 | 10.0000 | 8.53 |
| 2 Chloromethane (**) | 50 | 2.095 | 2.095 | (0.261) | 320613 | 10.0000 | 10.05 |
| 3 Vinyl chloride (*) | 62 | 2.154 | 2.154 | (0.269) | 403853 | 10.0000 | 10.59 |
| 4 Bromomethane | 94 | 2.489 | 2.489 | (0.310) | 438189 | 10.0000 | 10.87 |
| 5 Chloroethane | 64 | 2.598 | 2.598 | (0.324) | 268000 | 10.0000 | 10.88 |
| 6 Trichlorofluoromethane | 101 | 2.884 | 2.884 | (0.360) | 1307274 | 10.0000 | 9.18 |
| 7 Acrolein | 56 | 4.993 | 4.993 | (0.623) | 310223 | 100.000 | 99.74 |
| 8 1,1-Dichloroethene(*) | 96 | 3.494 | 3.494 | (0.436) | 493661 | 10.0000 | 9.63 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 3.514 | 3.514 | (0.438) | 801459 | 10.0000 | 9.39 |
| 10 Iodomethane | 142 | 3.672 | 3.672 | (0.458) | 1868822 | 20.0000 | 20.40 |
| 11 Acetone | 43 | 3.544 | 3.544 | (0.442) | 179891 | 50.0000 | 47.98 |
| 12 Carbon disulfide | 76 | 3.771 | 3.771 | (0.470) | 1477758 | 10.0000 | 14.56 |
| 13 Methylene chloride | 84 | 4.155 | 4.155 | (0.518) | 439441 | 10.0000 | 10.78 |
| 14 Acrylonitrile | 53 | 7.427 | 7.427 | (0.926) | 58796 | 100.000 | 113.4(Q) |
| 15 t-Butanol | 59 | 4.382 | 4.382 | (0.546) | 36655 | 40.0000 | 39.18(Q) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 16 Vinyl acetate | 43 | 5.347 | 5.347 | (0.667) | 976520 | 20.0000 | 18.13 |
| | 17 trans-1,2-Dichloroethene | 96 | 4.549 | 4.549 | (0.567) | 611578 | 10.0000 | 10.43 |
| | 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.588 | 4.588 | (0.572) | 498547 | 10.0000 | 9.72 |
| | 19 1,1-Dichloroethane (**) | 63 | 5.180 | 5.180 | (0.646) | 917884 | 10.0000 | 9.76 |
| | 20 Isopropyl ether | 45 | 5.367 | 5.367 | (0.669) | 1299076 | 10.0000 | 10.37 |
| | 21 Tert-butyl ethyl ether | 59 | 5.939 | 5.939 | (0.741) | 1014904 | 10.0000 | 10.10 |
| M | 22 1,2-Dichloroethene (total) | 100 | | | | 1195116 | 20.0000 | 21.04 |
| | 23 2,2-Dichloropropane | 77 | 6.096 | 6.096 | (0.760) | 371557 | 10.0000 | 6.53 |
| | 24 cis-1,2-Dichloroethene | 96 | 6.106 | 6.106 | (0.762) | 583538 | 10.0000 | 10.61 |
| | 25 2-Butanone | 43 | 6.156 | 6.156 | (0.768) | 190800 | 50.0000 | 45.05 |
| | 26 Bromochloromethane | 128 | 6.471 | 6.471 | (0.807) | 290540 | 10.0000 | 10.92 |
| | 27 Tetrahydrofuran | 42 | 6.619 | 6.619 | (0.825) | 29579 | 10.0000 | 13.91 |
| | 28 Chloroform (*) | 83 | 6.638 | 6.638 | (0.828) | 1330137 | 10.0000 | 9.74 |
| $ | 29 Dibromofluoromethane | 111 | 6.895 | 6.895 | (0.860) | 982128 | 10.0000 | 10.28 |
| | 30 1,1,1-Trichloroethane | 97 | 6.915 | 6.915 | (0.862) | 1284418 | 10.0000 | 9.68 |
| | 31 Carbon Tetrachloride | 117 | 7.200 | 7.200 | (0.898) | 1218705 | 10.0000 | 9.79 |
| | 32 1,1-Dichloropropene | 75 | 7.190 | 7.190 | (0.897) | 996860 | 10.0000 | 9.76 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 7.437 | 7.437 | (0.927) | 436046 | 10.0000 | 9.75 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 7.427 | 7.427 | (0.926) | 91262 | 10.0000 | 11.58(Q) |
| | 35 Benzene | 78 | 7.535 | 7.535 | (0.940) | 1499204 | 10.0000 | 10.54 |
| | 36 1,2-Dichloroethane | 62 | 7.555 | 7.555 | (0.942) | 550860 | 10.0000 | 9.59 |
| | 37 Tert-amyl methyl ether | 73 | 7.801 | 7.801 | (0.973) | 780374 | 10.0000 | 10.81 |
| * | 38 Fluorobenzene | 96 | 8.018 | 8.018 | (1.000) | 1790453 | 10.0000 | |
| | 39 Trichloroethene | 130 | 8.649 | 8.649 | (1.079) | 900304 | 10.0000 | 9.99 |
| | 40 1,2-Dichloropropane(*) | 63 | 9.024 | 9.024 | (1.125) | 512981 | 10.0000 | 10.40 |
| | 41 Dibromomethane | 93 | 9.211 | 9.211 | (1.149) | 347562 | 10.0000 | 10.32 |
| | 42 Bromodichloromethane | 83 | 9.526 | 9.526 | (1.188) | 1025982 | 10.0000 | 10.43 |
| | 43 2-Chloroethylvinyl ether | 106 | 10.127 | 10.127 | (1.263) | 24853 | 20.0000 | 28.61(Q) |
| | 44 1-Bromo-2-chloroethane | 63 | 10.039 | 10.039 | (1.252) | 509640 | 10.0000 | 11.13 |
| | 45 cis-1,3-Dichloropropene | 75 | 10.334 | 10.334 | (1.289) | 563920 | 10.0000 | 10.16 |
| | 46 4-Methyl-2-pentanone | 43 | 10.660 | 10.660 | (1.329) | 638286 | 50.0000 | 52.66 |
| $ | 47 Toluene-d8 | 98 | 10.817 | 10.817 | (0.803) | 1418370 | 10.0000 | 10.29 |
| | 48 Toluene (*) | 91 | 10.936 | 10.936 | (0.811) | 1876381 | 10.0000 | 10.60 |
| | 49 trans-1,3-Dichloropropene | 75 | 11.359 | 11.359 | (0.843) | 334126 | 10.0000 | 9.57 |
| | 50 1,1,2-Trichloroethane | 97 | 11.685 | 11.685 | (0.867) | 319983 | 10.0000 | 10.77 |
| | 51 Tetrachloroethene | 164 | 11.941 | 11.941 | (0.886) | 967339 | 10.0000 | 10.46 |
| | 52 1,3-Dichloropropane | 76 | 11.970 | 11.970 | (0.888) | 515755 | 10.0000 | 10.80 |
| | 53 2-Hexanone | 43 | 12.207 | 12.207 | (0.906) | 408895 | 50.0000 | 48.57 |
| | 54 Dibromochloromethane | 129 | 12.384 | 12.384 | (0.919) | 679768 | 10.0000 | 10.82 |
| | 55 1,2-Dibromoethane | 107 | 12.562 | 12.562 | (0.932) | 403716 | 10.0000 | 10.04 |
| * | 56 Chlorobenzene-d5 | 117 | 13.478 | 13.478 | (1.000) | 1269503 | 10.0000 | |
| | 57 Chlorobenzene (**) | 112 | 13.528 | 13.528 | (1.004) | 1420667 | 10.0000 | 10.44 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.705 | 13.705 | (1.017) | 748095 | 10.0000 | 10.96 |
| | 59 Ethylbenzene (*) | 106 | 13.784 | 13.784 | (1.023) | 699937 | 10.0000 | 10.42 |
| | 60 m,p-Xylenes | 106 | 14.020 | 14.020 | (1.040) | 1787996 | 20.0000 | 21.61 |
| M | 61 Xylenes (total) | 100 | | | | 2601933 | 30.0000 | 32.28 |
| | 62 o-Xylene | 106 | 14.779 | 14.779 | (1.097) | 813937 | 10.0000 | 10.67 |

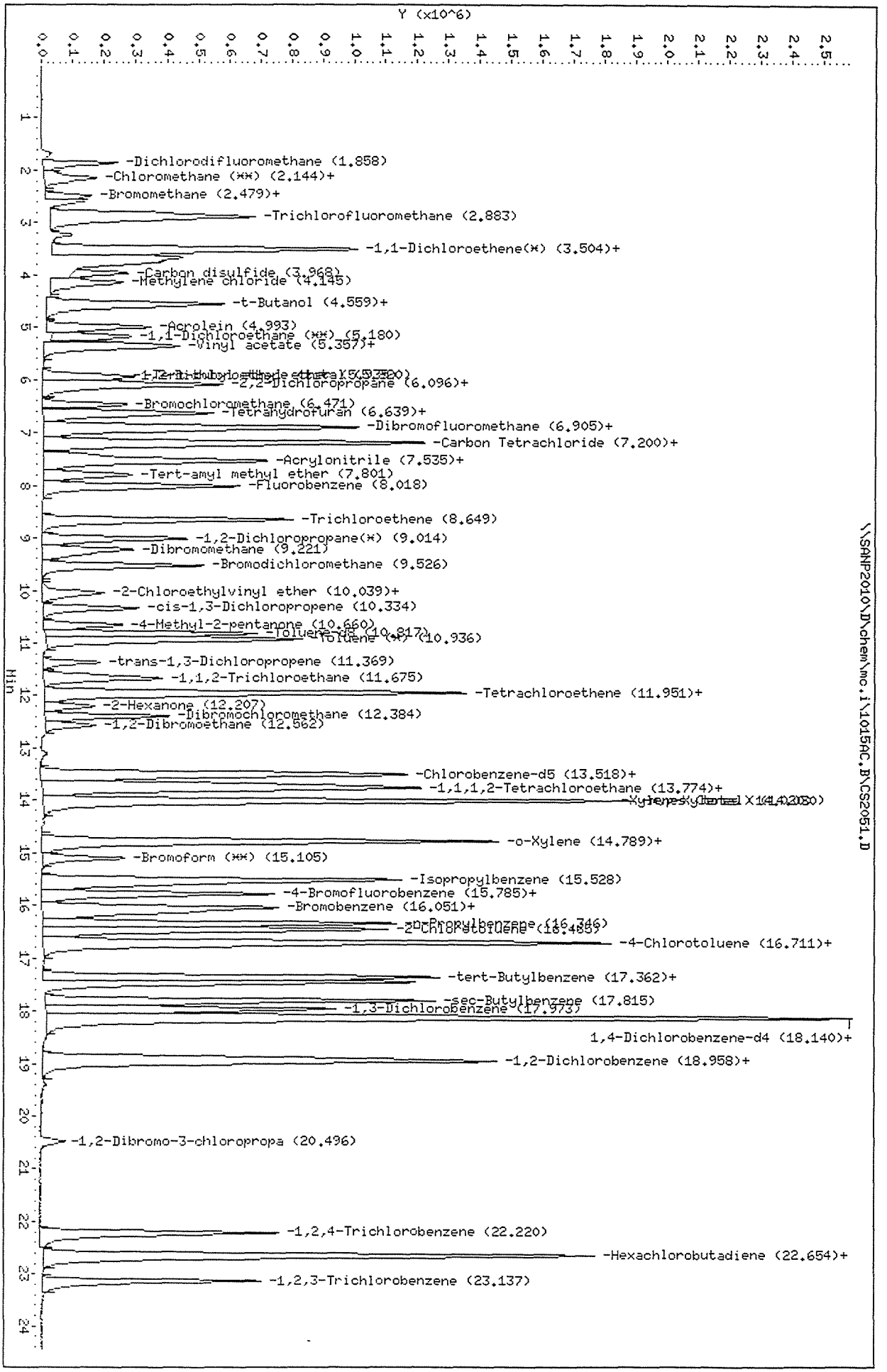
| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT ( ug/L) | AMOUNTS ON-COL ( ug/L) |
|---|---|---|---|---|---|---|---|---|
| | 63 Styrene | 104 | 14.809 | 14.809 | (1.099) | 1213482 | 10.0000 | 10.88 |
| | 64 Bromoform (**) | 173 | 15.105 | 15.105 | (1.121) | 395566 | 10.0000 | 11.48 |
| | 65 Isopropylbenzene | 105 | 15.519 | 15.519 | (1.151) | 2770928 | 10.0000 | 10.41 |
| $ | 66 4-Bromofluorobenzene | 95 | 15.795 | 15.795 | (1.172) | 922075 | 10.0000 | 10.05 |
| | 67 4-Bromofluorobenzene-2nd | 174 | 15.795 | 15.795 | (1.172) | 782258 | 10.0000 | 10.07 |
| | 68 Bromobenzene | 156 | 16.051 | 16.051 | (0.886) | 751033 | 10.0000 | 10.29 |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 16.120 | 16.120 | (0.890) | 383276 | 10.0000 | 10.95 |
| | 70 1,2,3-Trichloropropane | 110 | 16.159 | 16.159 | (0.892) | 105471 | 10.0000 | 11.40(Q) |
| | 71 n-Propylbenzene | 91 | 16.356 | 16.356 | (0.903) | 3085226 | 10.0000 | 9.97 |
| | 72 2-Chlorotoluene | 126 | 16.465 | 16.465 | (0.909) | 649242 | 10.0000 | 10.49(Q) |
| | 73 4-Chlorotoluene | 126 | 16.701 | 16.701 | (0.922) | 630195 | 10.0000 | 10.46 |
| | 74 1,3,5-Trimethylbenzene | 105 | 16.731 | 16.731 | (0.924) | 2254926 | 10.0000 | 10.44 |
| | 75 tert-Butylbenzene | 119 | 17.362 | 17.362 | (0.959) | 2409220 | 10.0000 | 10.13 |
| | 76 1,2,4-Trimethylbenzene | 105 | 17.470 | 17.470 | (0.965) | 2160739 | 10.0000 | 10.21 |
| | 77 sec-Butylbenzene | 105 | 17.815 | 17.815 | (0.984) | 3223373 | 10.0000 | 10.17 |
| | 78 1,3-Dichlorobenzene | 146 | 17.973 | 17.973 | (0.992) | 1319178 | 10.0000 | 10.15 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 18.111 | 18.111 | (1.000) | 761602 | 10.0000 | (Q) |
| | 80 p-Isopropyltoluene | 119 | 18.140 | 18.140 | (1.002) | 2680990 | 10.0000 | 10.16 |
| | 81 1,4-Dichlorobenzene | 146 | 18.160 | 18.160 | (1.003) | 1383481 | 10.0000 | 10.55(H) |
| | 82 1,2-Dichlorobenzene | 146 | 18.899 | 18.899 | (1.044) | 1078598 | 10.0000 | 10.27 |
| | 83 n-Butylbenzene | 91 | 18.968 | 18.968 | (1.047) | 2620260 | 10.0000 | 10.03 |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 20.496 | 20.496 | (1.132) | 74604 | 10.0000 | 10.94 |
| | 85 1,2,4-Trichlorobenzene | 180 | 22.230 | 22.230 | (1.227) | 959218 | 10.0000 | 9.94 |
| | 86 Hexachlorobutadiene | 225 | 22.654 | 22.654 | (1.251) | 1341968 | 10.0000 | 10.22 |
| | 87 Napthalene | 128 | 22.684 | 22.684 | (1.253) | 597866 | 10.0000 | 9.78 |
| | 88 1,2,3-Trichlorobenzene | 180 | 23.137 | 23.137 | (1.278) | 723671 | 10.0000 | 9.86 |

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\SANP2010\D\chem\mc.i\1015AC.B\CS2051.D
Date : 15-OCT-2000 11:02
Client ID:
Sample Info: 10PPB 8260BSTD,,,3,0,,,8260BCL.M
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: RRT
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D
Lab Smp Id: MB-1015AC Client Smp ID: C09832
Inj Date : 15-OCT-2000 12:54
Operator : RRT Inst ID: mc.i
Smp Info : MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832
Misc Info : ,25,,,3,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 14 Acrylonitrile | 53 | 7.431 | 7.427 | (0.927) | 38250 | 80.7423 | 80.74(Q) |
| $ 29 Dibromofluoromethane | 111 | 6.898 | 6.895 | (0.861) | 887483 | 10.1630 | 10.16 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.431 | 7.437 | (0.927) | 393489 | 9.63327 | 9.63 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.440 | 7.427 | (0.929) | 74119 | 10.2916 | 10.29 |
| 37 Tert-amyl methyl ether | 73 | 8.012 | 7.801 | (1.000) | 27054 | 0.41013 | 0.410(a) |
| * 38 Fluorobenzene | 96 | 8.012 | 8.018 | (1.000) | 1635763 | 10.0000 | |
| $ 47 Toluene-d8 | 98 | 10.821 | 10.817 | (0.803) | 1293892 | 9.97901 | 9.98 |
| * 56 Chlorobenzene-d5 | 117 | 13.482 | 13.478 | (1.000) | 1193817 | 10.0000 | |
| $ 66 4-Bromofluorobenzene | 95 | 15.798 | 15.795 | (1.172) | 851476 | 9.86796 | 9.87 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.808 | 15.795 | (1.173) | 703867 | 9.63312 | 9.63 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.124 | 18.111 | (1.000) | 683239 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09833.D
Lab Smp Id: MB-1015AC
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,25,,,3,1-8260B.SUB

Calibration Date: 15-OCT-2000
Calibration Time: 11:02
Client Smp ID: C09832
Level: LOW
Sample Type: WATER

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1790453 | 895227 | 3580906 | 1635763 | -8.64 |
| 56 Chlorobenzene-d5 | 1269503 | 634752 | 2539006 | 1193817 | -5.96 |
| 79 1,4-Dichlorobenze | 761602 | 380801 | 1523204 | 683239 | -10.29 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.01 | -0.08 |
| 56 Chlorobenzene-d5 | 13.48 | 12.98 | 13.98 | 13.48 | 0.03 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.12 | 0.07 |

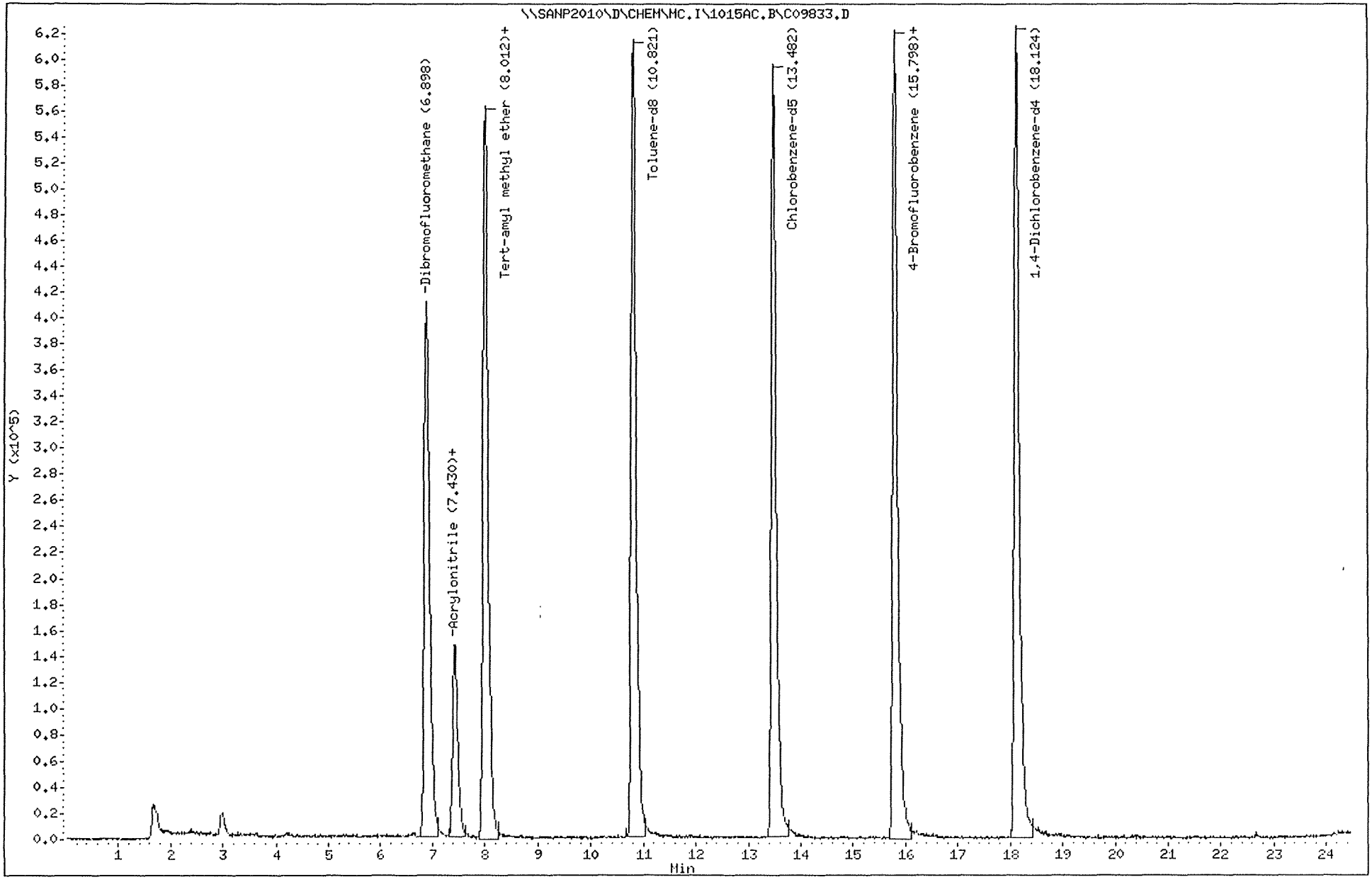
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D
Date : 15-OCT-2000 12:54
Client ID: C09832
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: RRT
Column diameter: 0.53






BOE-C6-0167502

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

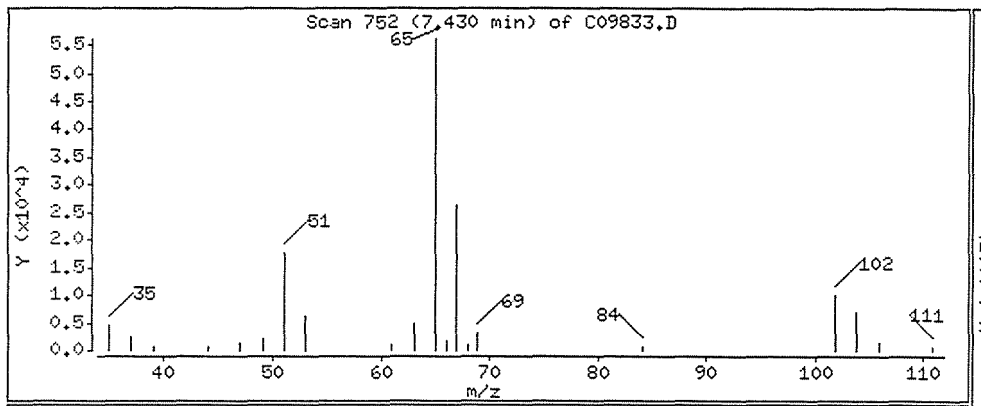
Client ID: C09832 Instrument: mc.i

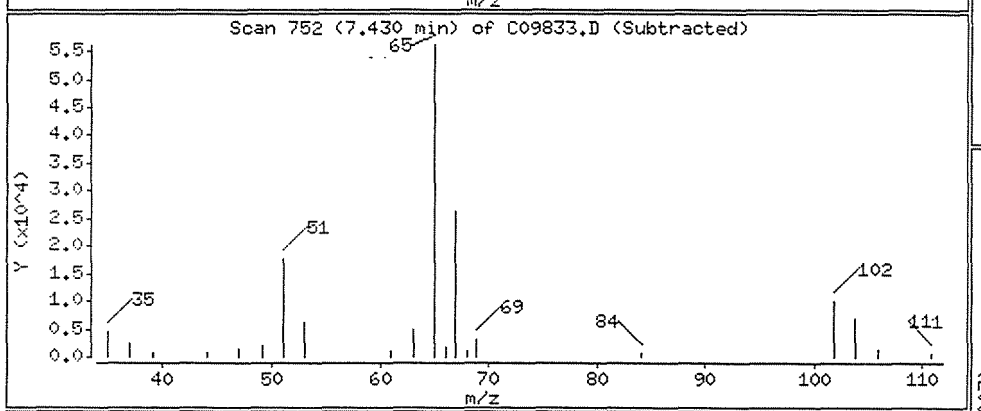
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

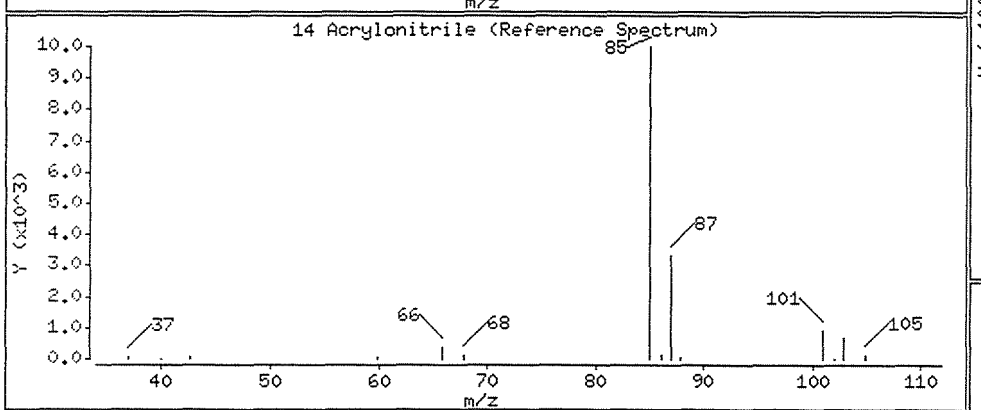
Purge Volume: 25.0 Operator: RRT

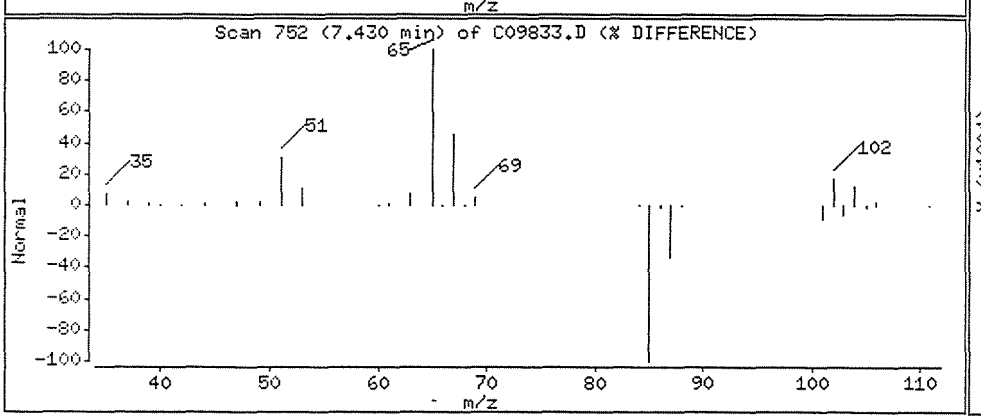
Column phase: J&W DB-624 Column diameter: 0.53

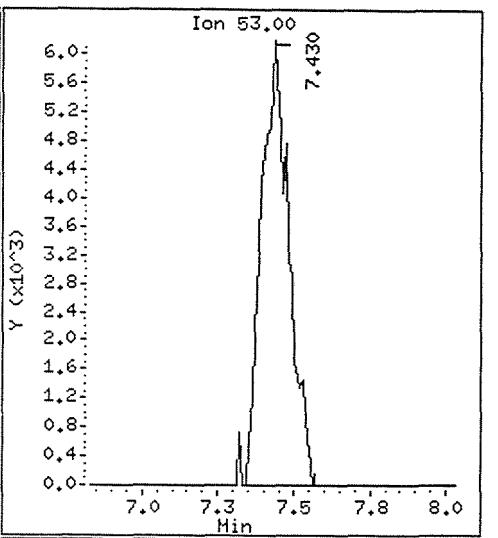
14 Acrylonitrile Concentration: 80.74 ug/L

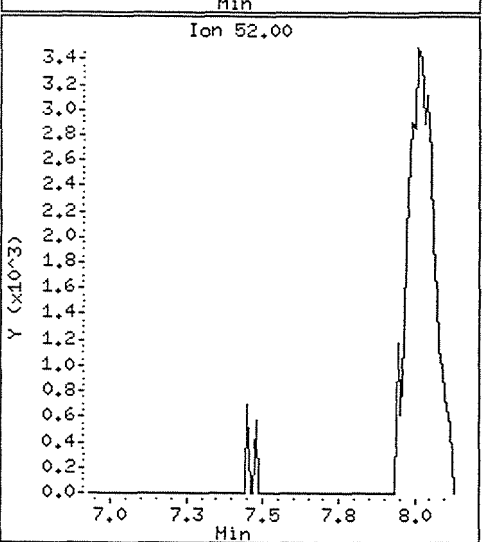


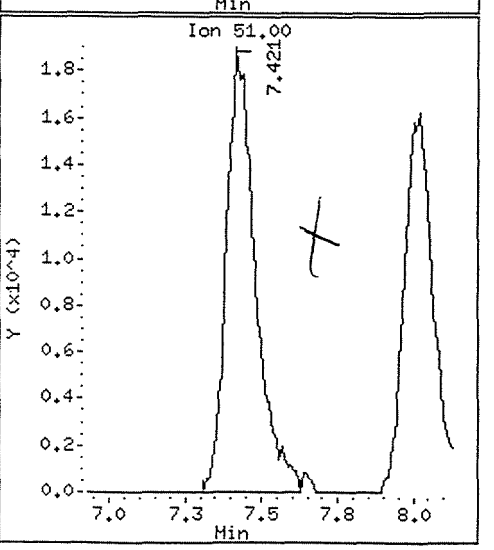



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

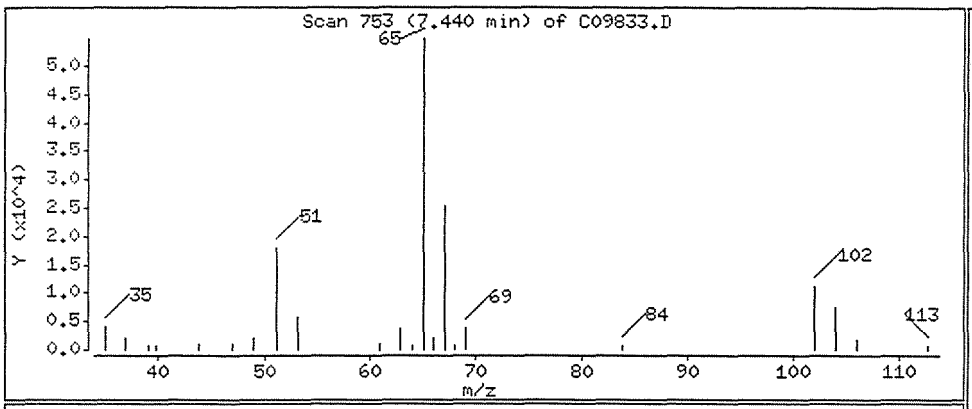
Client ID: C09832 Instrument: mc.i

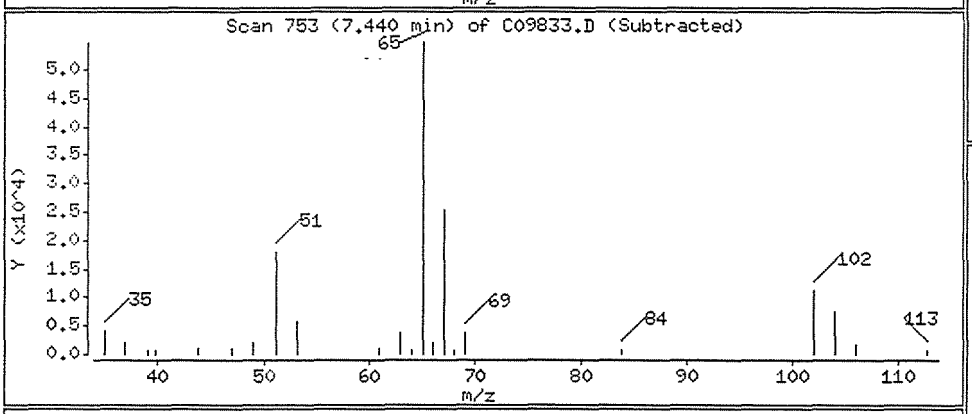
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

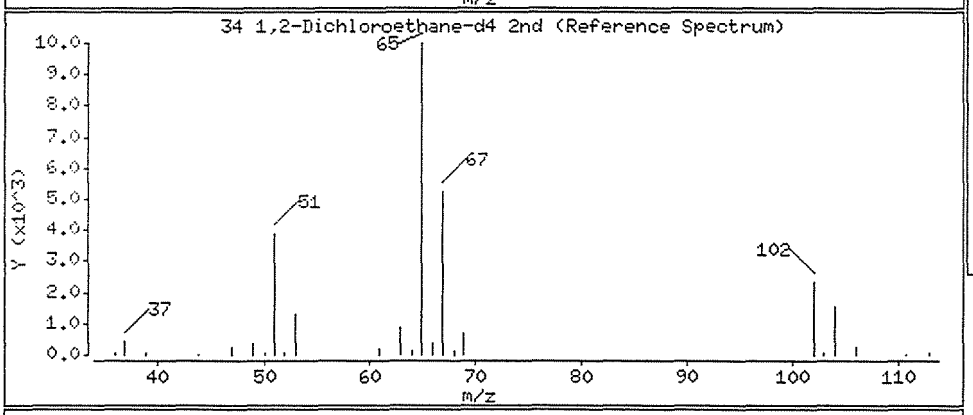
Purge Volume: 25.0 Operator: RRT

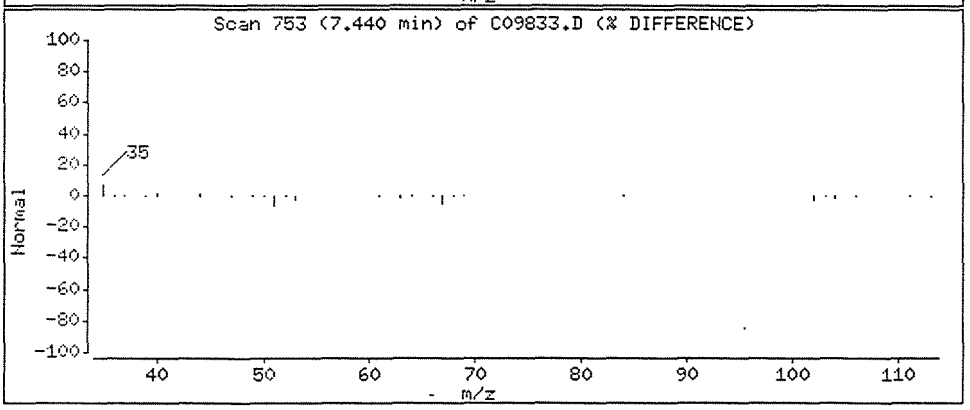
Column phase: J&W DB-624 Column diameter: 0.53

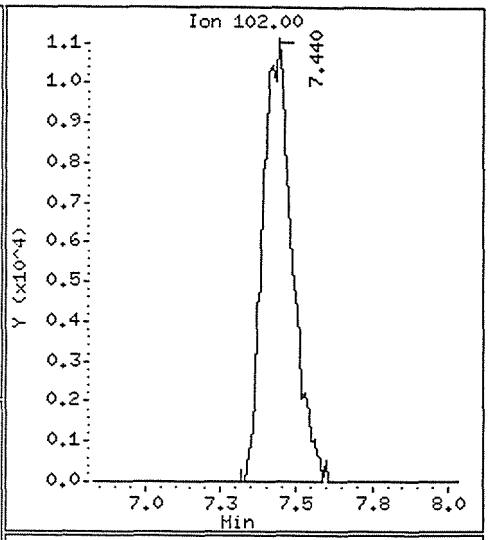
34 1,2-Dichloroethane-d4 2nd Concentration: 10.29 ug/L

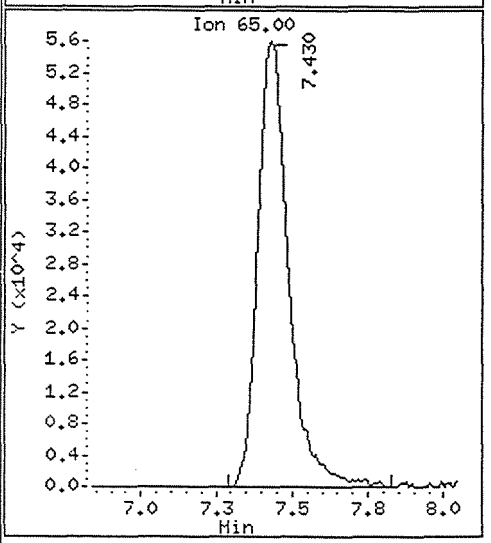


Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

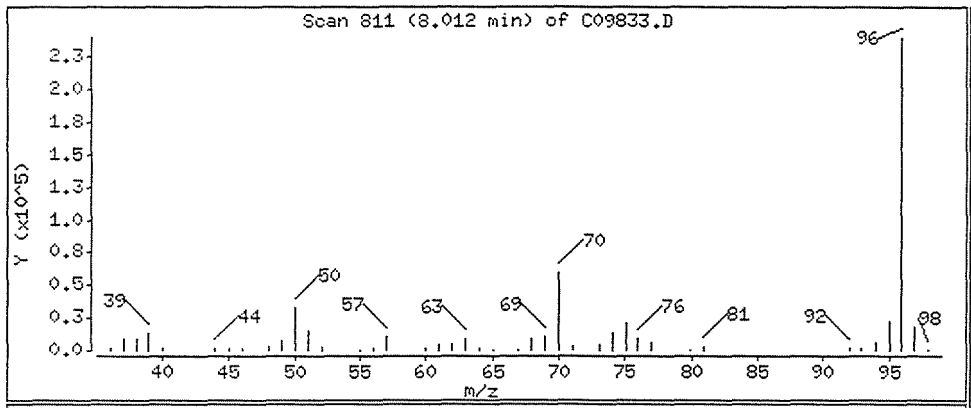
Client ID: C09832 Instrument: mc.i

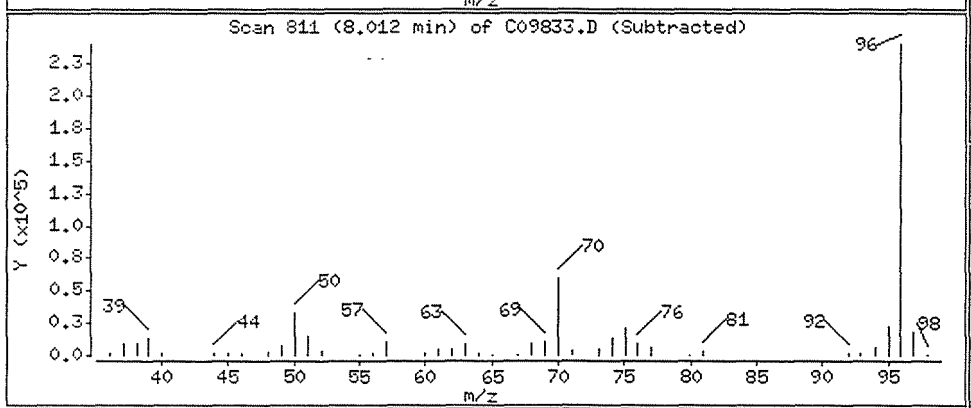
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

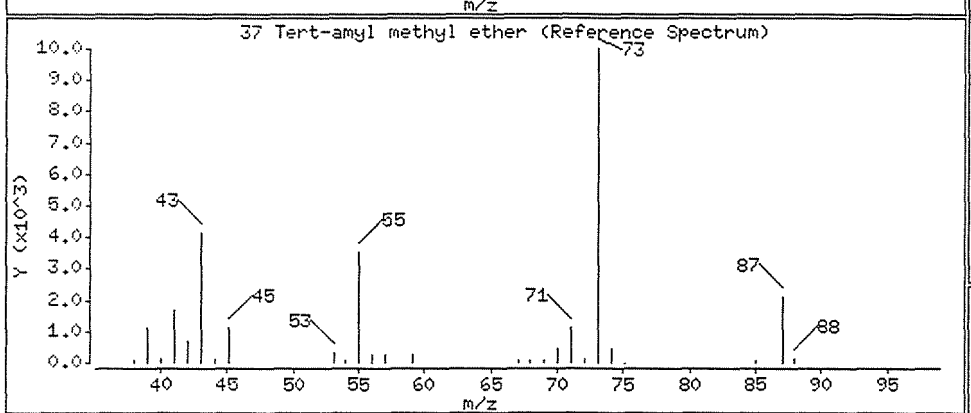
Purge Volume: 25.0 Operator: RRT

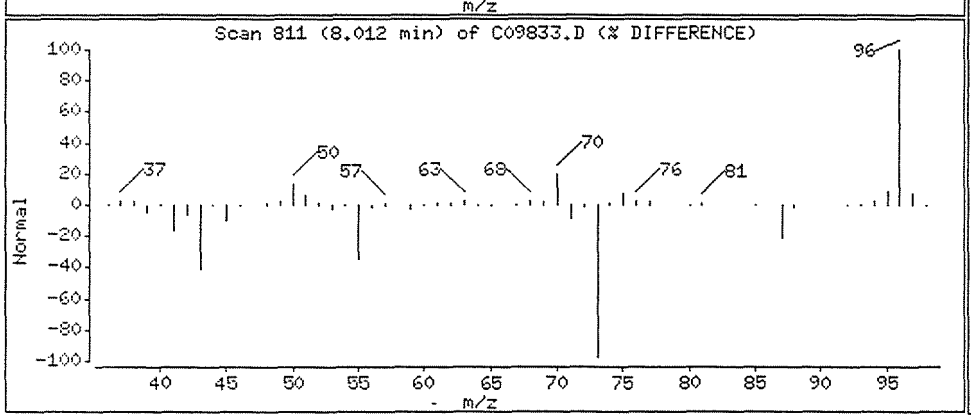
Column phase: J&W DB-624 Column diameter: 0.53

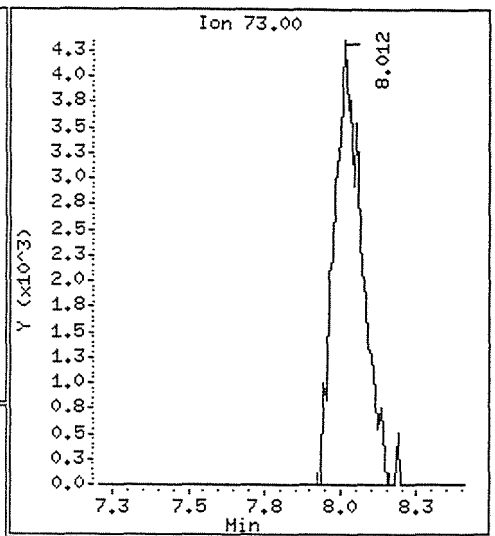
37 Tert-amyl methyl ether Concentration: 0.410 ug/L

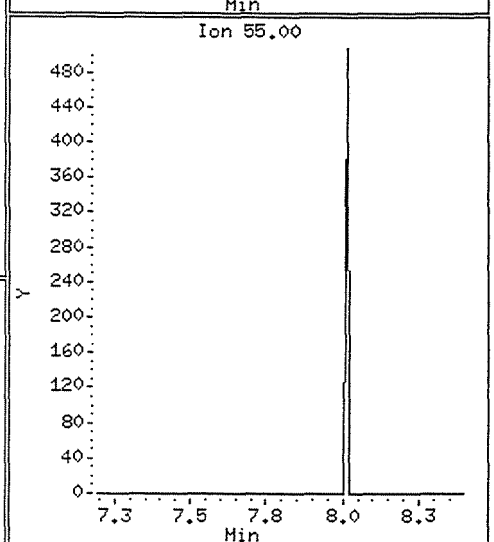


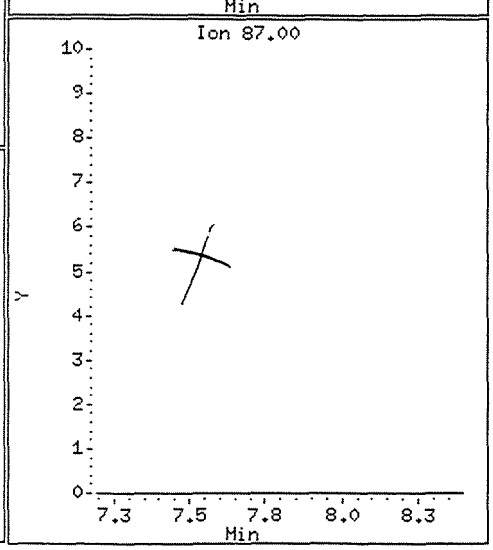



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09833.D

Date : 15-OCT-2000 12:54

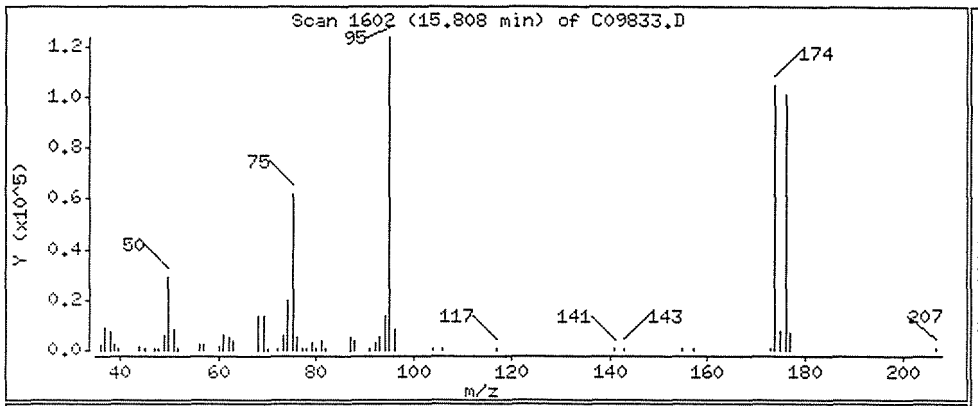
Client ID: C09832 Instrument: mc.i

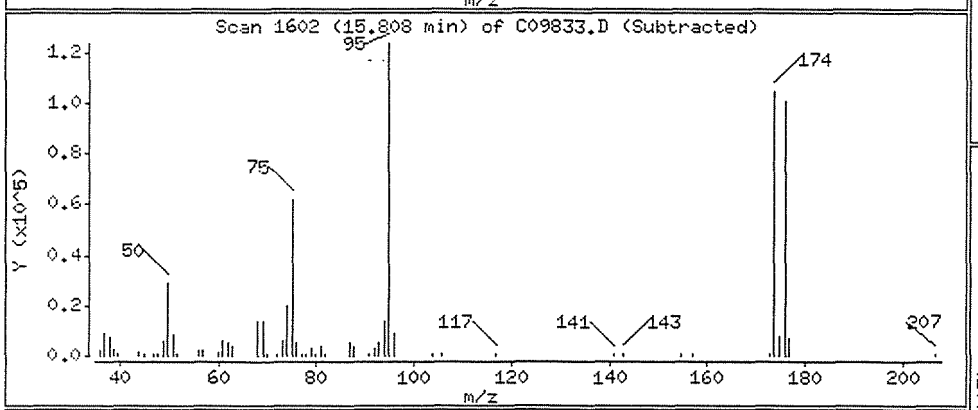
Sample Info: MB-1015AC,BLANK,1,,0,1,0,8260BCL.M,C09832

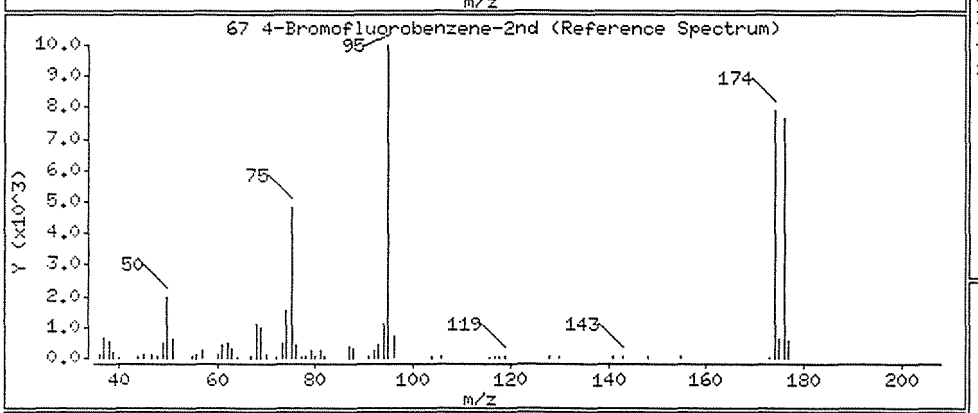
Purge Volume: 25.0 Operator: RRT

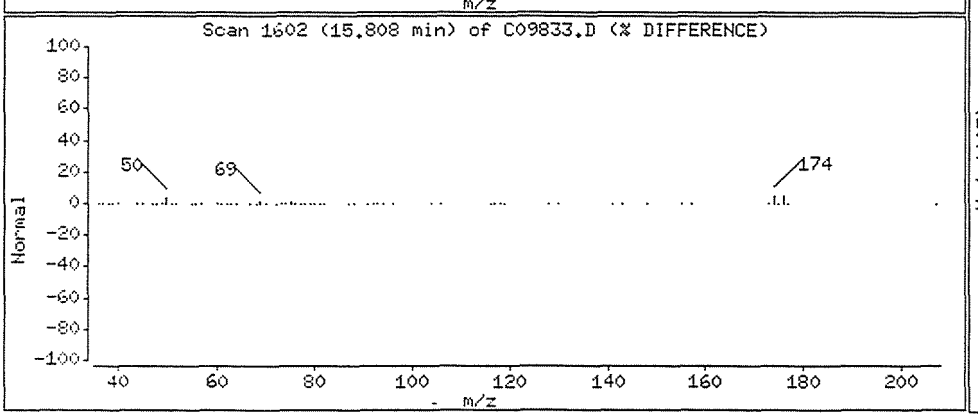
Column phase: J&W DB-624 Column diameter: 0.53

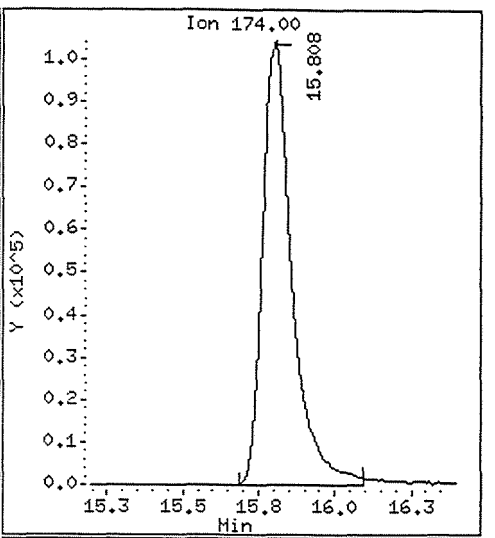
67 4-Bromofluorobenzene-2nd Concentration: 9.63 ug/L

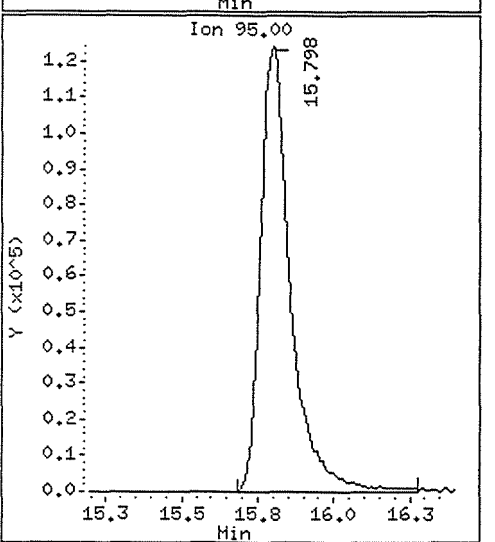


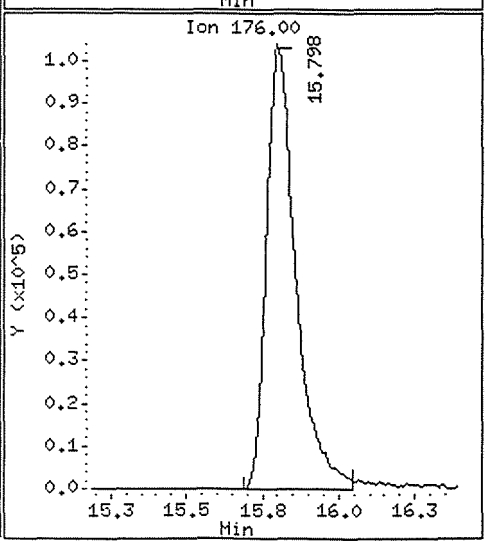



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\C09831.D
Lab Smp Id: LCS-1015AC  Client Smp ID: C09831
Inj Date : 15-OCT-2000 11:45
Operator : RRT  Inst ID: mc.i
Smp Info : LCS-1015AC,LCS,1,,0,1,0,8260BCL.M,C09831
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 2  QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.501 | 3.494 | (0.436) | 484818 | 9.86193 | 9.86 |
| $ 29 Dibromofluoromethane | 111 | 6.901 | 6.895 | (0.860) | 936851 | 10.2168 | 10.22 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.423 | 7.437 | (0.925) | 418527 | 9.75773 | 9.76 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.443 | 7.427 | (0.928) | 86581 | 11.4488 | 11.45 |
| 35 Benzene | 78 | 7.532 | 7.535 | (0.939) | 1261392 | 9.24379 | 9.24 |
| * 38 Fluorobenzene | 96 | 8.024 | 8.018 | (1.000) | 1717656 | 10.0000 | |
| 39 Trichloroethene | 130 | 8.665 | 8.649 | (1.080) | 746715 | 8.63811 | 8.64 |
| $ 47 Toluene-d8 | 98 | 10.823 | 10.817 | (0.803) | 1356407 | 10.3864 | 10.39 |
| 48 Toluene (*) | 91 | 10.932 | 10.936 | (0.811) | 1540965 | 9.18956 | 9.19 |
| * 56 Chlorobenzene-d5 | 117 | 13.484 | 13.478 | (1.000) | 1202411 | 10.0000 | |
| 57 Chlorobenzene (**) | 112 | 13.543 | 13.528 | (1.004) | 1135098 | 8.80620 | 8.81 |
| $ 66 4-Bromofluorobenzene | 95 | 15.800 | 15.795 | (1.172) | 872739 | 10.0421 | 10.04 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.810 | 15.795 | (1.172) | 731401 | 9.93840 | 9.94 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.117 | 18.111 | (1.000) | 727626 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09831.D
Lab Smp Id: LCS-1015AC
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 15-OCT-2000
Calibration Time: 11:02
Client Smp ID: C09831
Level: LOW
Sample Type: WATER

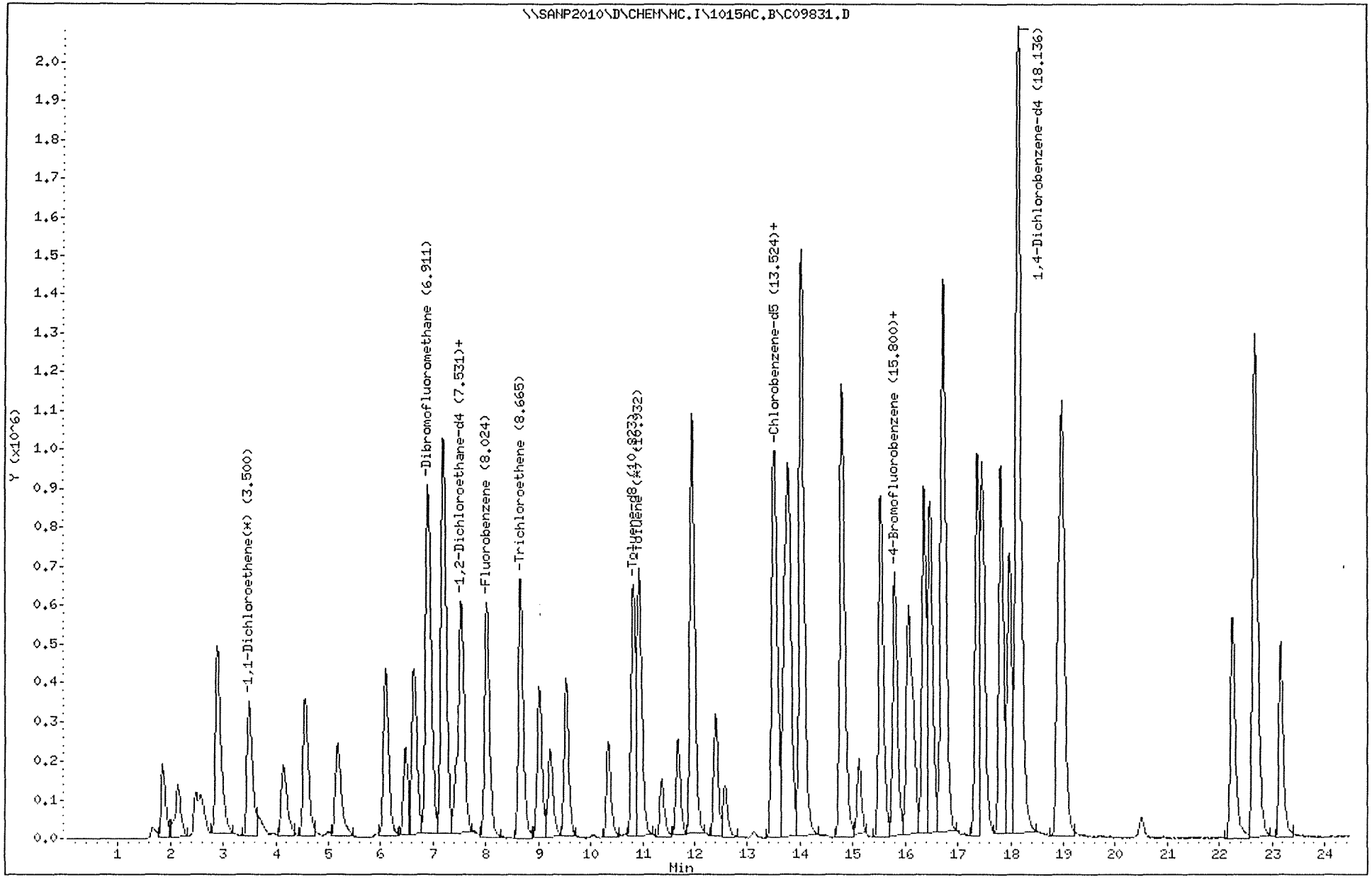
| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1790453 | 895227 | 3580906 | 1717656 | -4.07 |
| 56 Chlorobenzene-d5 | 1269503 | 634752 | 2539006 | 1202411 | -5.28 |
| 79 1,4-Dichlorobenze | 761602 | 380801 | 1523204 | 727626 | -4.46 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | 0.07 |
| 56 Chlorobenzene-d5 | 13.48 | 12.98 | 13.98 | 13.48 | 0.04 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.12 | 0.03 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09831.D
Date : 15-OCT-2000 11:45
Client ID: C09831
Sample Info: LCS-1015AC,LCS,1,,0,1,0,8260BCL.M,C09831
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mc.i
Operator: RRT
Column diameter: 0.53




BOE-C6-0167509

000388

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09822.D
Lab Smp Id: DM3JT1AS  Client Smp ID: C09822
Inj Date : 14-OCT-2000 18:49
Operator : AD  Inst ID: mc.i
Smp Info : DM3JT1AS,MS,1,,0,1,0,8260BCL.M,C09822
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 15  QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.492 | 3.498 | (0.435) | 346032 | 9.36083 | 9.36 |
| $ 29 Dibromofluoromethane | 111 | 6.912 | 6.908 | (0.860) | 689463 | 9.99932 | 10.0 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.444 | 7.450 | (0.926) | 328644 | 10.1898 | 10.19 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.454 | 7.450 | (0.928) | 56574 | 9.94870 | 9.95 |
| 35 Benzene | 78 | 7.543 | 7.548 | (0.939) | 967565 | 9.42963 | 9.43 |
| * 38 Fluorobenzene | 96 | 8.035 | 8.031 | (1.000) | 1291582 | 10.0000 | |
| 39 Trichloroethene | 130 | 8.676 | 8.672 | (1.080) | 599367 | 9.22084 | 9.22 |
| $ 47 Toluene-d8 | 98 | 10.834 | 10.830 | (0.803) | 1025009 | 9.71326 | 9.71 |
| 48 Toluene (*) | 91 | 10.943 | 10.948 | (0.811) | 1221843 | 9.01738 | 9.02 |
| * 56 Chlorobenzene-d5 | 117 | 13.496 | 13.491 | (1.000) | 971606 | 10.0000 | |
| 57 Chlorobenzene (**) | 112 | 13.545 | 13.550 | (1.004) | 942803 | 9.05188 | 9.05 |
| $ 66 4-Bromofluorobenzene | 95 | 15.802 | 15.797 | (1.171) | 813184 | 11.5795 | 11.58 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.812 | 15.807 | (1.172) | 666385 | 11.2060 | 11.20 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.128 | 18.123 | (1.000) | 623497 | 10.0000 | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09822.D
Lab Smp Id: DM3JT1AS
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09822
Level: LOW
Sample Type: WATER

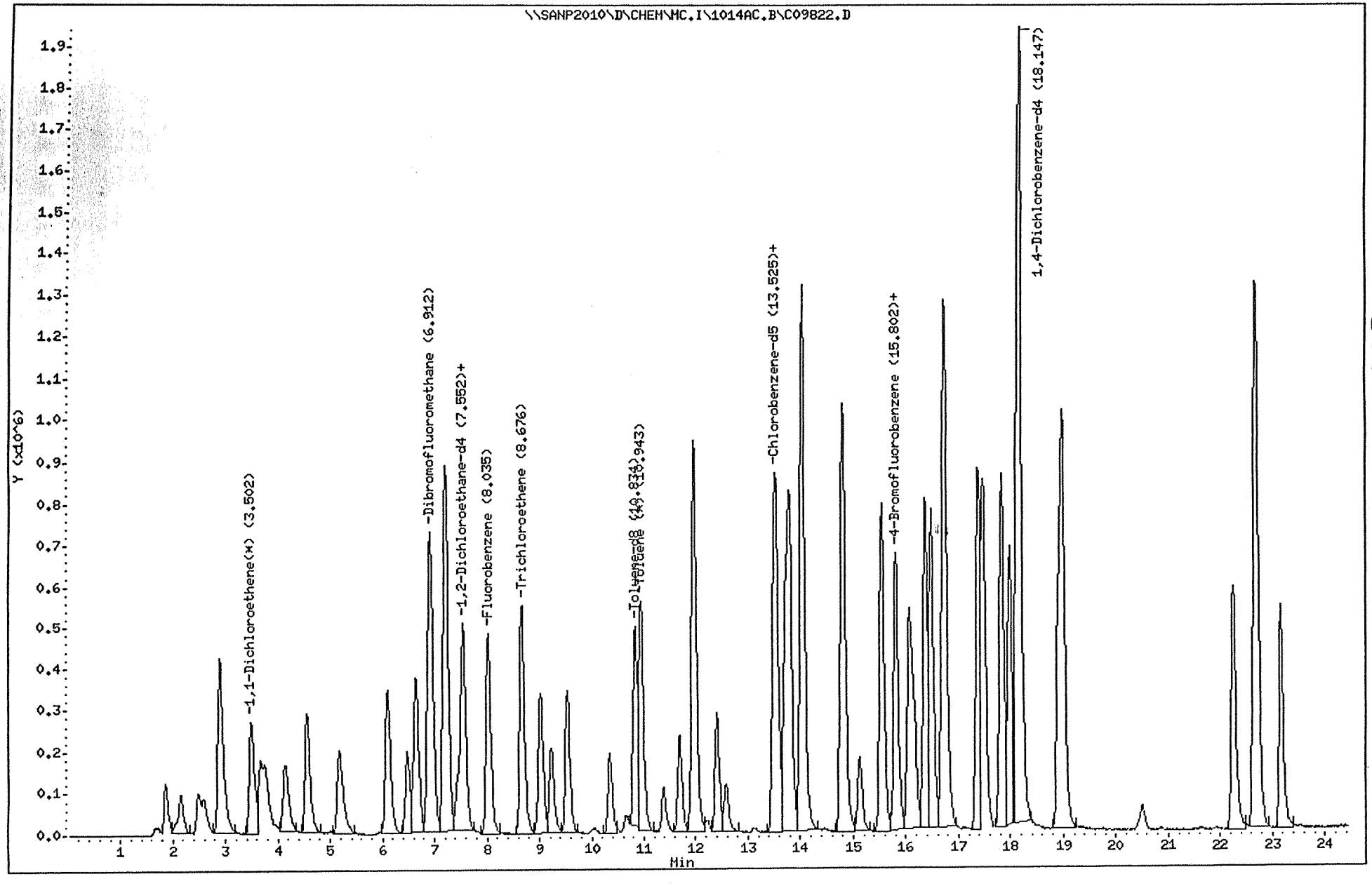
| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1291582 | -24.69 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 971606 | -21.24 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 623497 | -18.51 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.04 | 0.05 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.50 | 0.03 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.13 | 0.02 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09822.D
Date : 14-OCT-2000 18:49
Client ID: C09822
Sample Info: DM3JT1AS,MS,1,,0,1,0,8260BCL.M,C09822
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mo.i
Operator: AD
Column diameter: 0.53






BOE-C6-0167513

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1014AC.B\C09823.D
Lab Smp Id: DM3JT1AP  Client Smp ID: C09823
Inj Date : 14-OCT-2000 19:19
Operator : AD  Inst ID: mc.i
Smp Info : DM3JT1AP,MSD,1,,0,1,0,8260BCL.M,C09823
Misc Info : ,25,,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Meth Date : 14-Oct-2000 10:44 DONGA  Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30  Cal File: CS2049.D
Als bottle: 16  QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 25.000 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.491 | 3.498 | (0.435) | 396855 | 9.38513 | 9.38 |
| $ 29 Dibromofluoromethane | 111 | 6.911 | 6.908 | (0.861) | 769128 | 9.75145 | 9.75 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.453 | 7.450 | (0.929) | 370133 | 10.0325 | 10.03 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.453 | 7.450 | (0.929) | 60227 | 9.25886 | 9.26(Q) |
| 35 Benzene | 78 | 7.551 | 7.548 | (0.941) | 1073194 | 9.14331 | 9.14 |
| * 38 Fluorobenzene | 96 | 8.024 | 8.031 | (1.000) | 1477444 | 10.0000 | |
| 39 Trichloroethene | 130 | 8.675 | 8.672 | (1.081) | 661174 | 8.89212 | 8.89 |
| $ 47 Toluene-d8 | 98 | 10.833 | 10.830 | (0.803) | 1151645 | 9.68230 | 9.68 |
| 48 Toluene (*) | 91 | 10.951 | 10.948 | (0.812) | 1364916 | 8.93704 | 8.94 |
| * 56 Chlorobenzene-d5 | 117 | 13.494 | 13.491 | (1.000) | 1095134 | 10.0000 | |
| 57 Chlorobenzene (**) | 112 | 13.544 | 13.550 | (1.004) | 1055297 | 8.98908 | 8.99 |
| $ 66 4-Bromofluorobenzene | 95 | 15.810 | 15.797 | (1.172) | 910138 | 11.4983 | 11.50 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.810 | 15.807 | (1.172) | 755560 | 11.2724 | 11.27 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.126 | 18.123 | (1.000) | 690757 | 10.0000 | (Q) |

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09823.D
Lab Smp Id: DM3JT1AP
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2010\D\CHEM\MC.I\1014AC.B\8260BCL.m
Misc Info: ,25,,,3,SPK.SUB,SH.SPK

Calibration Date: 14-OCT-2000
Calibration Time: 09:08
Client Smp ID: C09823
Level: LOW
Sample Type: WATER

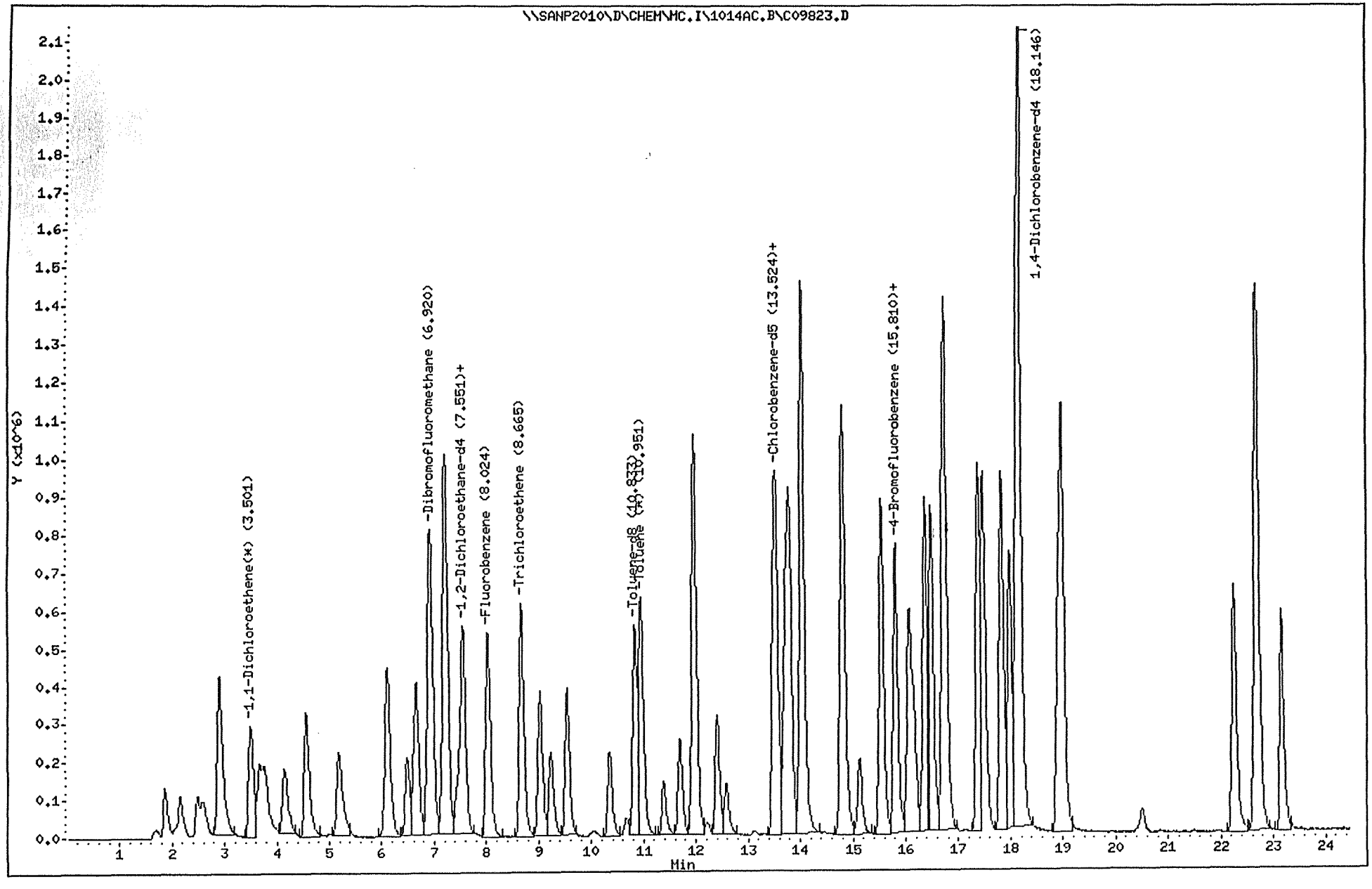
| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1715078 | 857539 | 3430156 | 1477444 | -13.86 |
| 56 Chlorobenzene-d5 | 1233700 | 616850 | 2467400 | 1095134 | -11.23 |
| 79 1,4-Dichlorobenze | 765106 | 382553 | 1530212 | 690757 | -9.72 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.03 | 7.53 | 8.53 | 8.02 | -0.09 |
| 56 Chlorobenzene-d5 | 13.49 | 12.99 | 13.99 | 13.49 | 0.02 |
| 79 1,4-Dichlorobenze | 18.12 | 17.62 | 18.62 | 18.13 | 0.02 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2010\D\CHEM\MC.I\1014AC.B\C09823.D
Date : 14-OCT-2000 19:19
Client ID: C09823
Sample Info: DM3JT1AP,MSD,1,,0,1,0,8260BCL.M,C09823
Purge Volume: 25.0
Column phase: J&W DB-624

Instrument: mo.i
Operator: AD
Column diameter: 0.53




BOE-C6-0167516

000395

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D
Lab Smp Id: DLW72101 Client Smp ID: C09848
Inj Date : 15-OCT-2000 20:28
Operator : RRT Inst ID: mc.i
Smp Info : DLW72101,,1,,0,1,0,8260BCL.M,C09848
Misc Info : ,12.5,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 15-Oct-2000 11:33 DONGA Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 12.500 | Sample Volume |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 2 Chloromethane (**) | 50 | 2.105 | 2.095 | (0.263) | 16461 | 0.67759 | 1.36(a) |
| 7 Acrolein | 56 | 4.589 | 4.993 | (0.572) | 172691 | 72.9232 | 145.8(Q) |
| 11 Acetone | 43 | 3.574 | 3.544 | (0.446) | 18071 | 6.33031 | 12.66(a) |
| 14 Acrylonitrile | 53 | 7.437 | 7.427 | (0.927) | 38379 | 97.2089 | 194.4(Q) |
| 15 t-Butanol | 59 | 4.392 | 4.382 | (0.548) | 11908 | 16.7192 | 33.44(aQ) |
| 18 Methyl-tert-butyl ether[MTBE] | 73 | 4.589 | 4.588 | (0.572) | 3653233 | 93.5561 | 187.1 |
| $ 29 Dibromofluoromethane | 111 | 6.895 | 6.895 | (0.860) | 802868 | 11.0318 | 22.06 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 7.427 | 7.437 | (0.926) | 377703 | 11.0951 | 22.19 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 7.427 | 7.427 | (0.926) | 65548 | 10.9208 | 21.84 |
| 35 Benzene | 78 | 7.526 | 7.535 | (0.939) | 106683 | 0.98504 | 1.97 |
| 37 Tert-amyl methyl ether | 73 | 8.019 | 7.801 | (1.000) | 26883 | 0.48901 | 0.978(a) |
| * 38 Fluorobenzene | 96 | 8.019 | 8.018 | (1.000) | 1363266 | 10.0000 | |
| $ 47 Toluene-d8 | 98 | 10.818 | 10.817 | (0.803) | 1111070 | 10.0693 | 20.14 |
| 48 Toluene (*) | 91 | 10.936 | 10.936 | (0.811) | 232476 | 1.64084 | 3.28 |
| * 56 Chlorobenzene-d5 | 117 | 13.479 | 13.478 | (1.000) | 1015942 | 10.0000 | |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN ( ug/L) | FINAL ( ug/L) |
|---|---|---|---|---|---|---|---|
| 59 Ethylbenzene (*) | 106 | 14.011 | 13.784 | (1.039) | 15339 | 0.28523 | 0.570(aQ) |
| $ 66 4-Bromofluorobenzene | 95 | 15.795 | 15.795 | (1.172) | 740881 | 10.0895 | 20.18 |
| 67 4-Bromofluorobenzene-2nd | 174 | 15.795 | 15.795 | (1.172) | 628549 | 10.1084 | 20.22 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 18.111 | 18.111 | (1.000) | 615104 | 10.0000 | (Q) |
| 85 1,2,4-Trichlorobenzene | 180 | 22.241 | 22.230 | (1.228) | 17041 | 0.21856 | 0.437(aQ) |
| 88 1,2,3-Trichlorobenzene | 180 | 23.157 | 23.137 | (1.279) | 22313 | 0.37645 | 0.753(a) |

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mc.i
Lab File ID: C09848.D
Lab Smp Id: DLW72101
Analysis Type: VOA
Quant Type: ISTD
Operator: RRT
Method File: \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Misc Info: ,12.5,,,0,1-8260B.SUB

Calibration Date: 15-OCT-2000
Calibration Time: 11:02
Client Smp ID: C09848
Level: LOW
Sample Type: WATER

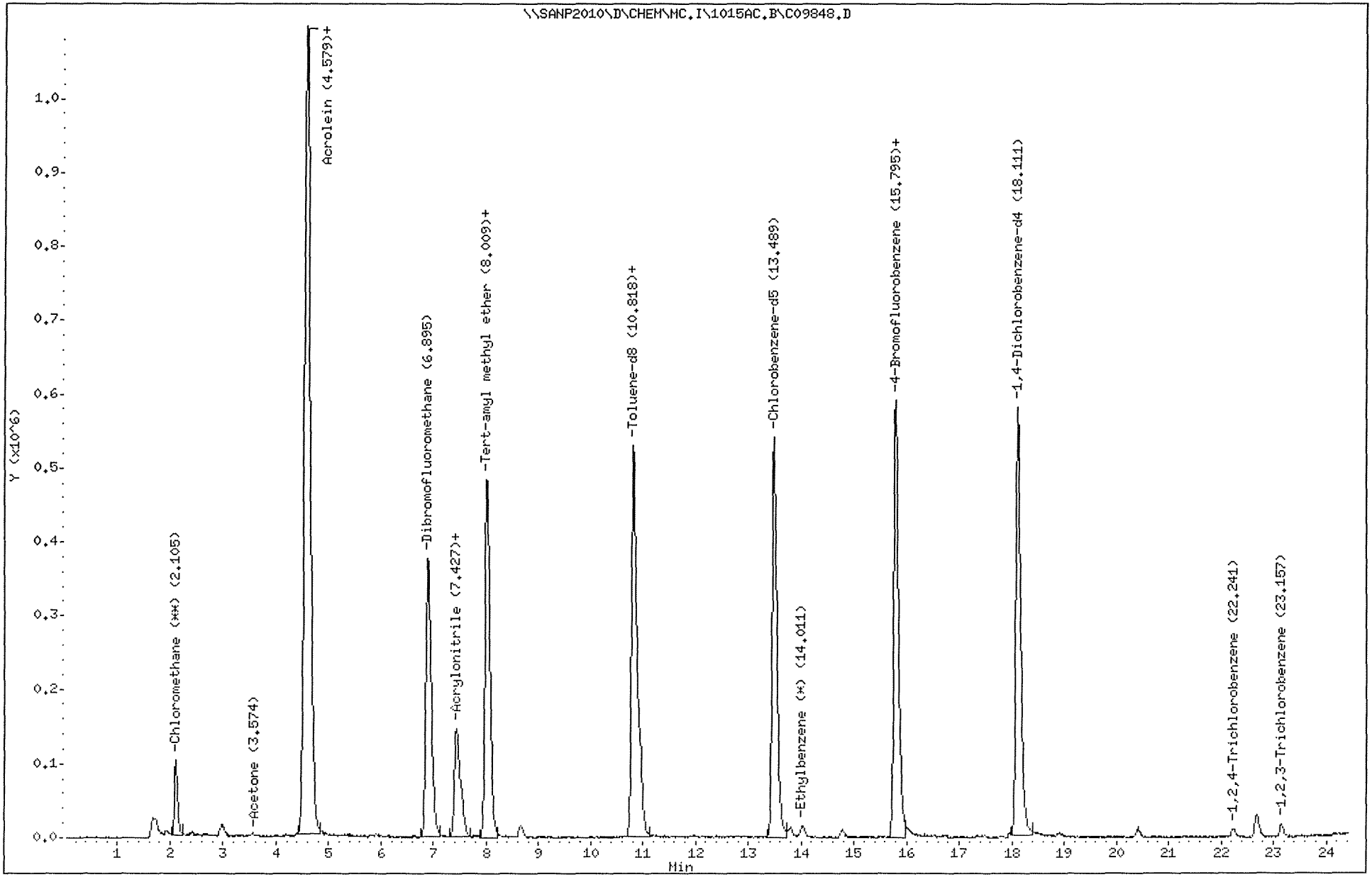
| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1790453 | 895227 | 3580906 | 1363266 | -23.86 |
| 56 Chlorobenzene-d5 | 1269503 | 634752 | 2539006 | 1015942 | -19.97 |
| 79 1,4-Dichlorobenze | 761602 | 380801 | 1523204 | 615104 | -19.24 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 8.02 | 7.52 | 8.52 | 8.02 | 0.00 |
| 56 Chlorobenzene-d5 | 13.48 | 12.98 | 13.98 | 13.48 | 0.00 |
| 79 1,4-Dichlorobenze | 18.11 | 17.61 | 18.61 | 18.11 | 0.00 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D
Date : 15-OCT-2000 20:28
Client ID: C09848
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848
Purge Volume: 12.5
Column phase: J&W DB-624

Instrument: mc.i
Operator: RRT
Column diameter: 0.53




000399

BOE-C6-0167520

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D



Date : 15-OCT-2000 20:28

Client ID: C09848

Instrument: mc.i

Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

Purge Volume: 12.5

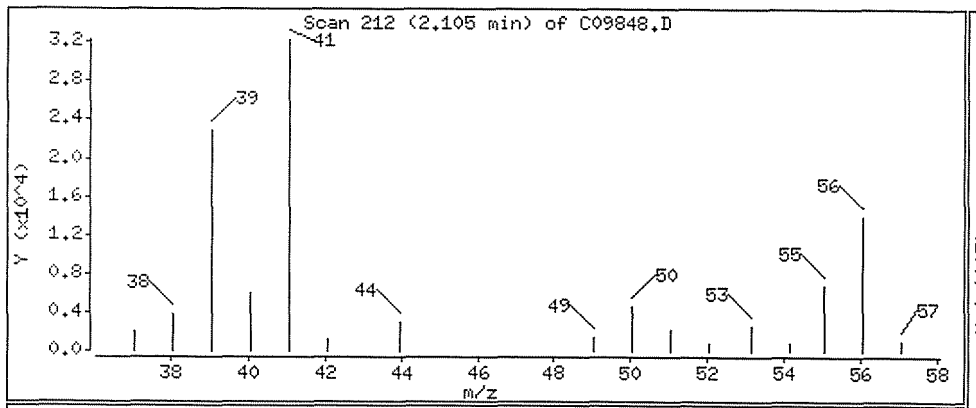
Operator: RRT

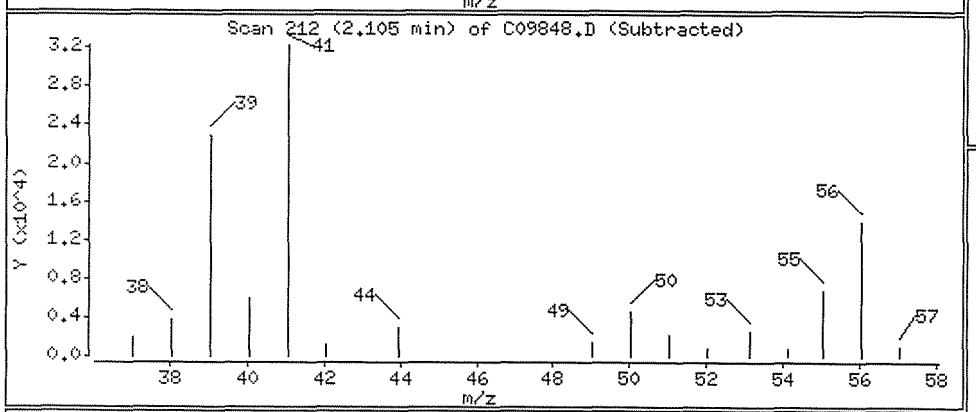
Column phase: J&W DB-624

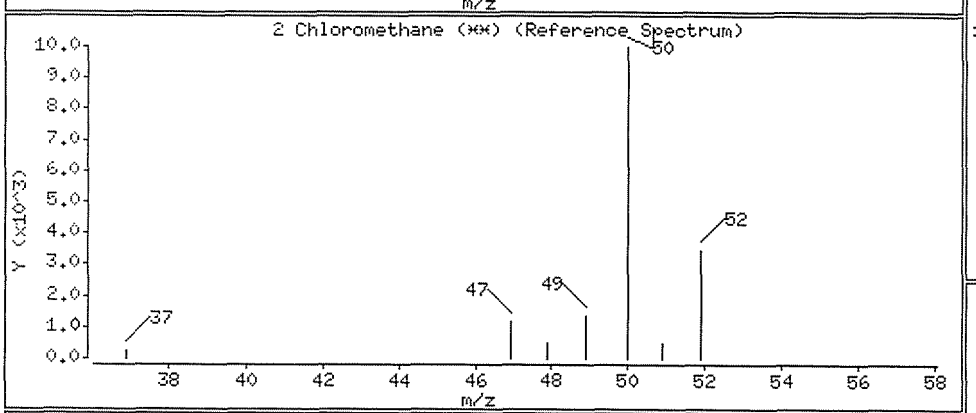
Column diameter: 0.53

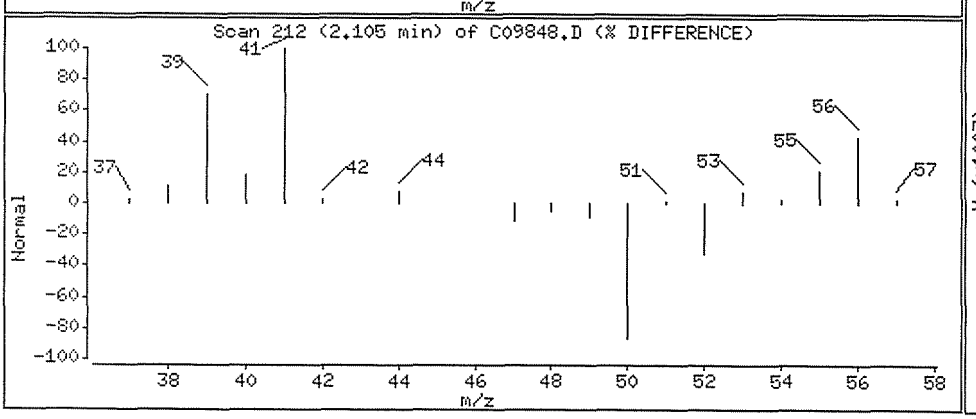
2 Chloromethane (**)

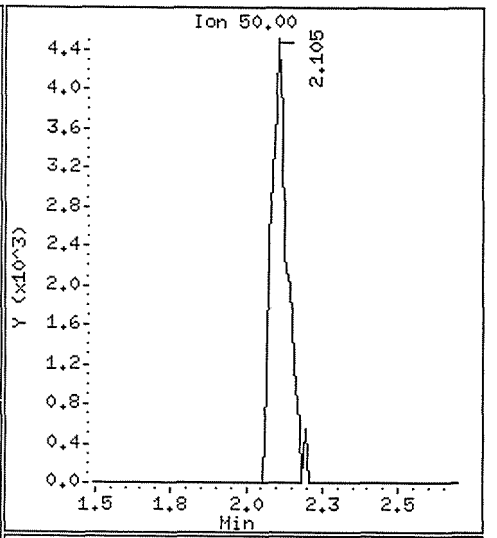
Concentration: 1.36 ug/L

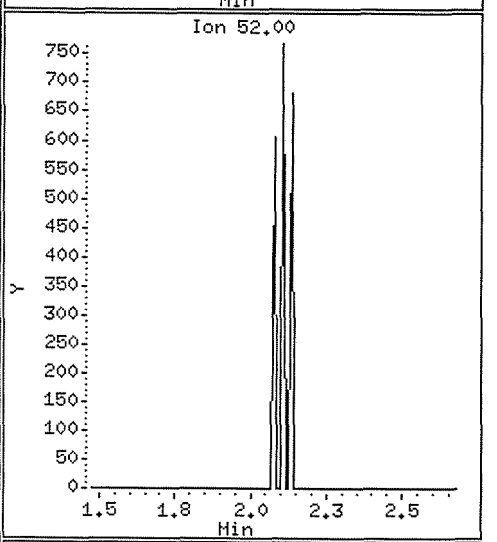


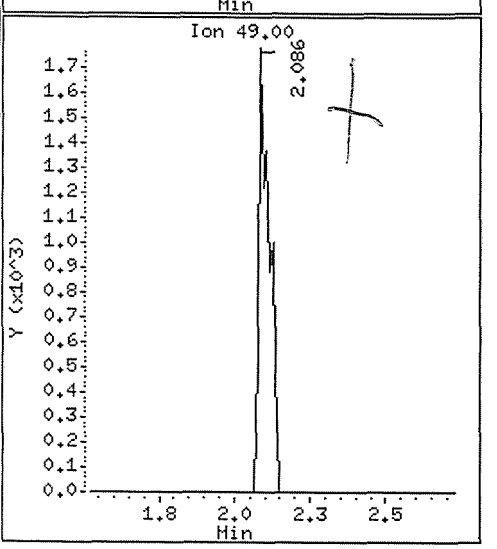



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D



Date : 15-OCT-2000 20:28

Client ID: C09848

Instrument: mc.i

Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

Purge Volume: 12.5

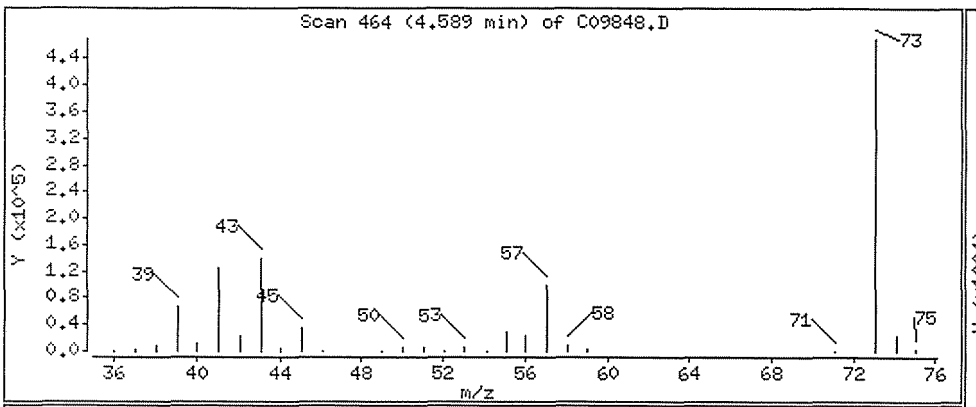
Operator: RRT

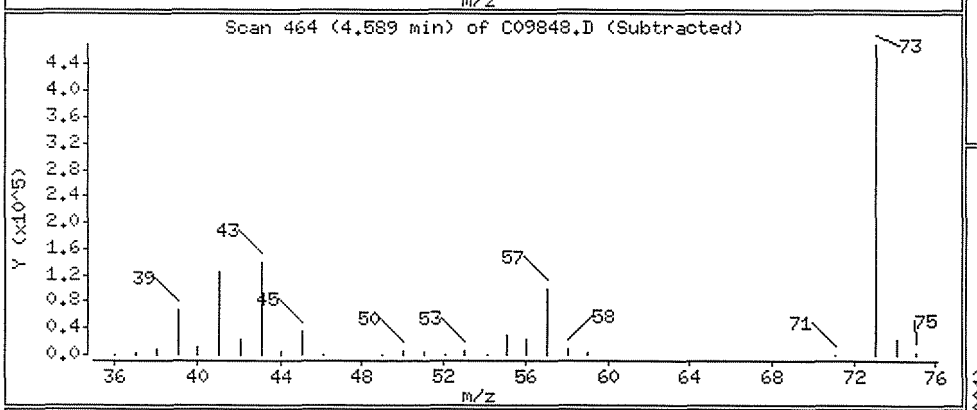
Column phase: J&W DB-624

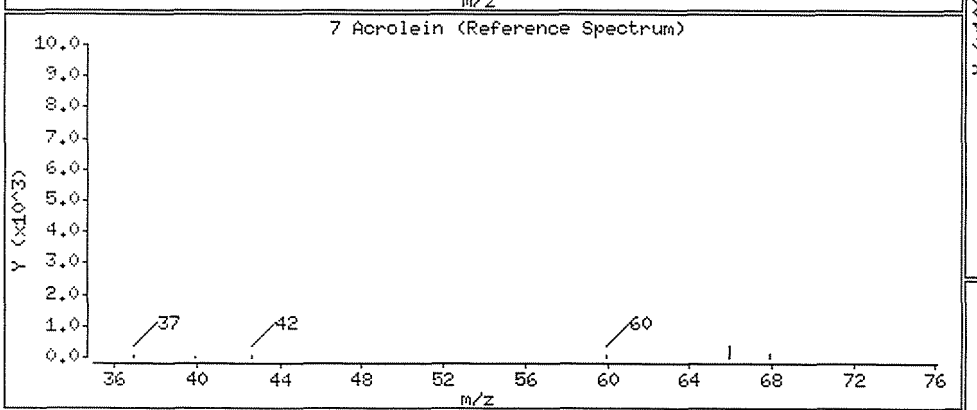
Column diameter: 0.53

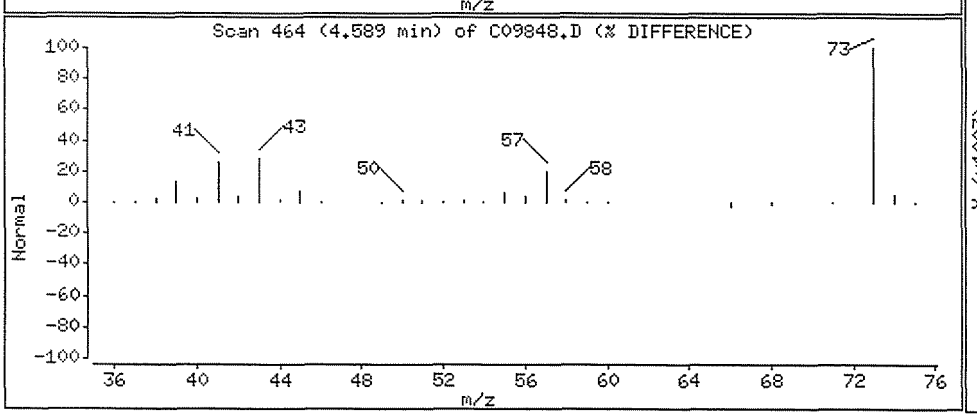
7 Acrolein

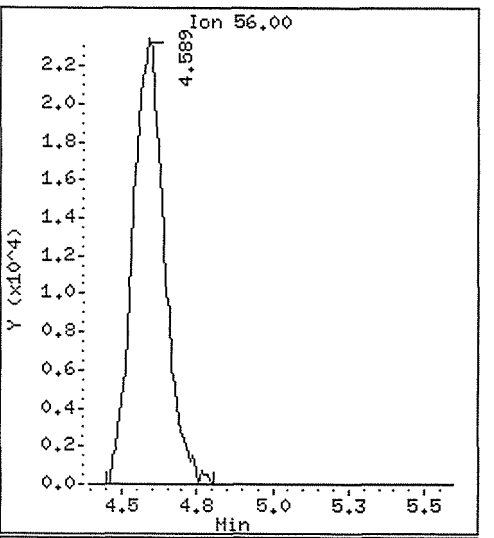
Concentration: 145.8 ug/L

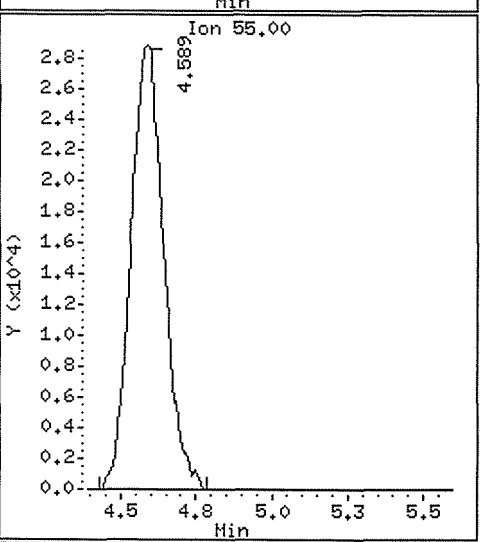


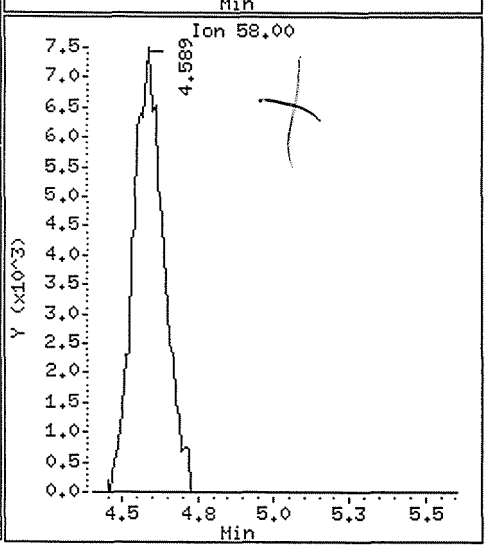



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

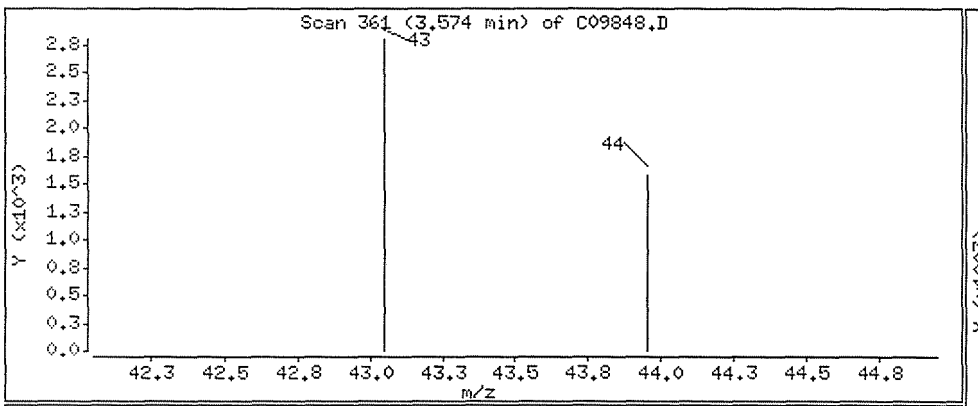
Client ID: C09848 Instrument: mc.i

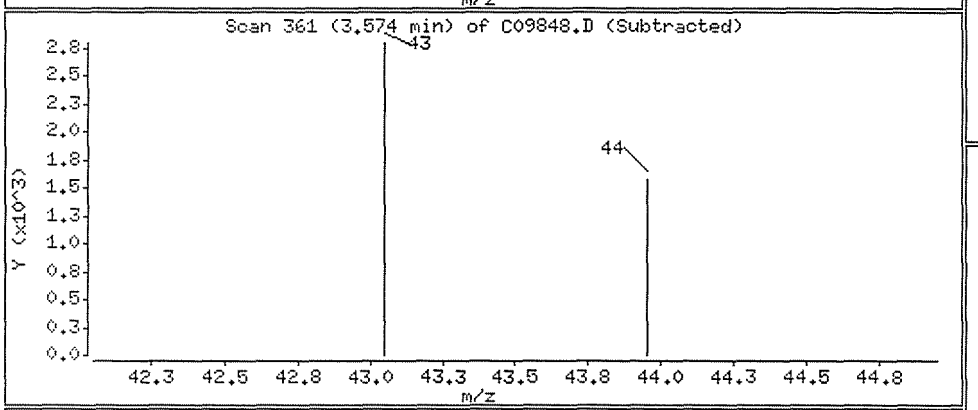
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

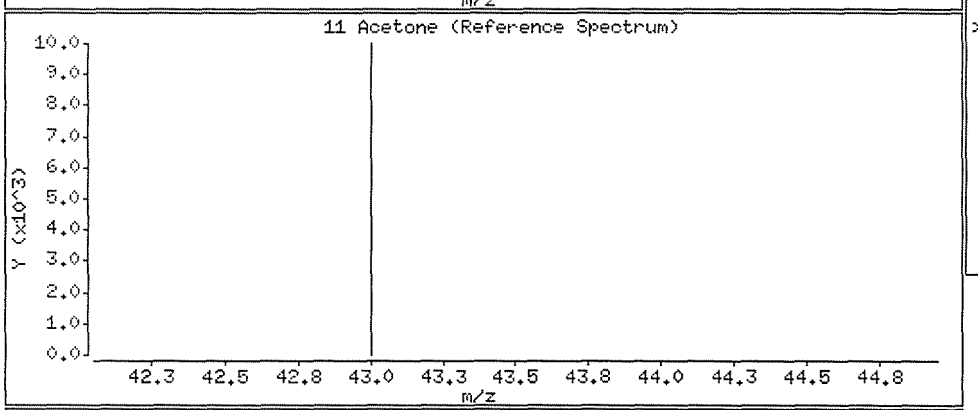
Purge Volume: 12.5 Operator: RRT

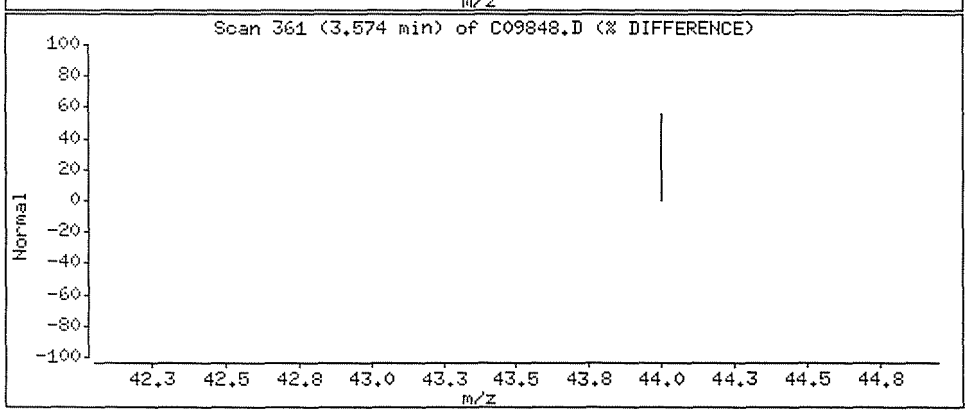
Column phase: J&W DB-624 Column diameter: 0.53

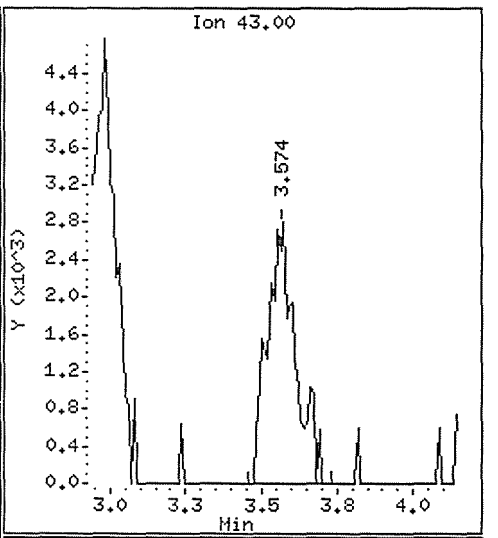
11 Acetone Concentration: 12.66 ug/L

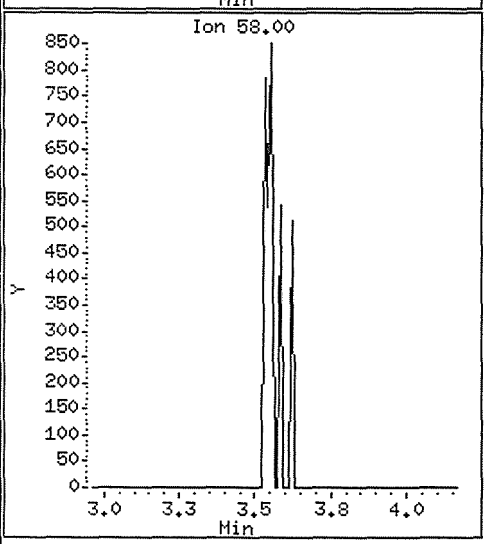



000402

Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

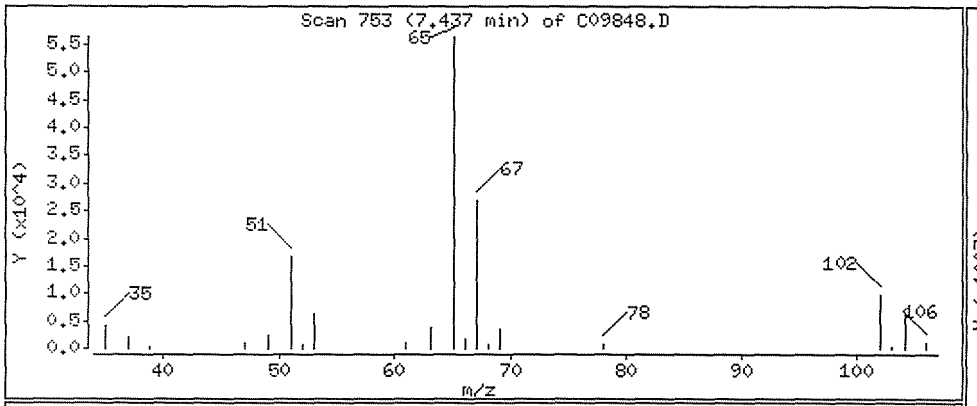
Client ID: C09848 Instrument: mc.i

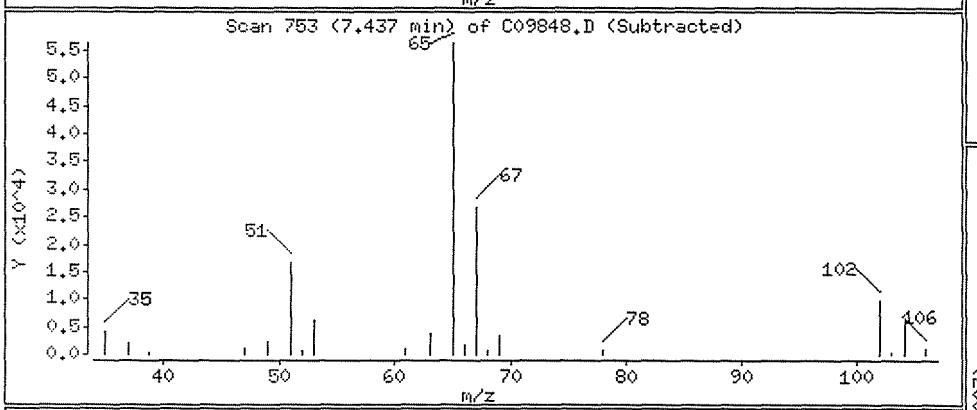
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

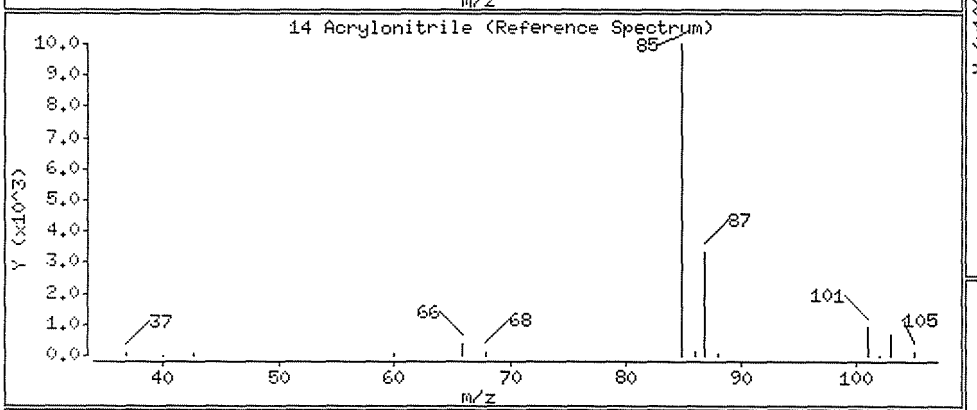
Purge Volume: 12.5 Operator: RRT

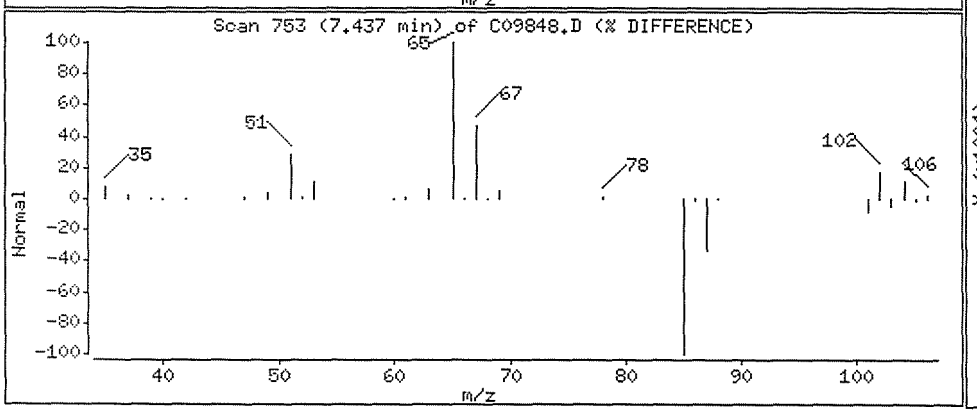
Column phase: J&W DB-624 Column diameter: 0.53

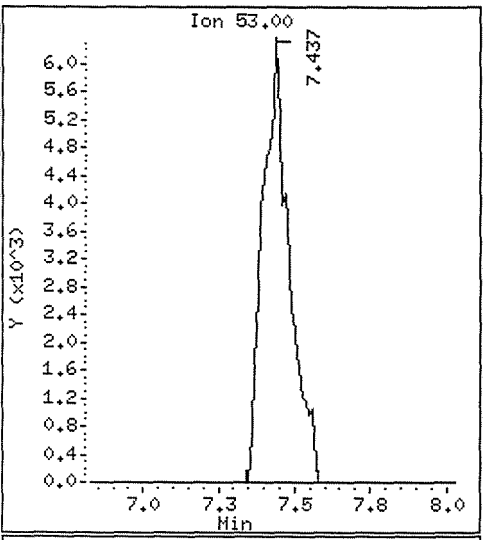
14 Acrylonitrile Concentration: 194.4 ug/L

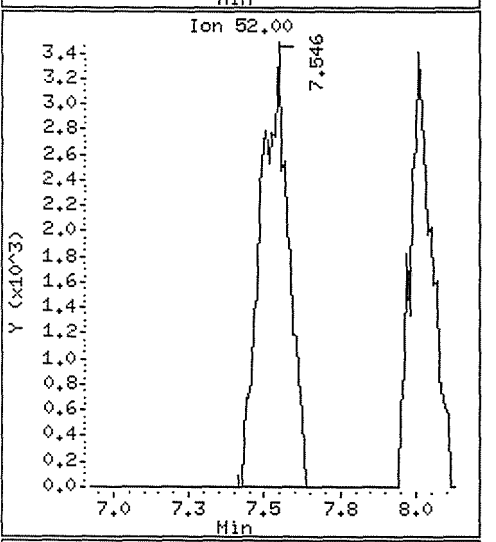


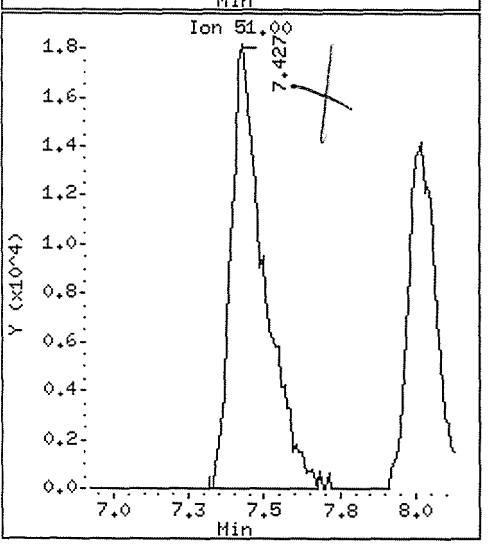



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

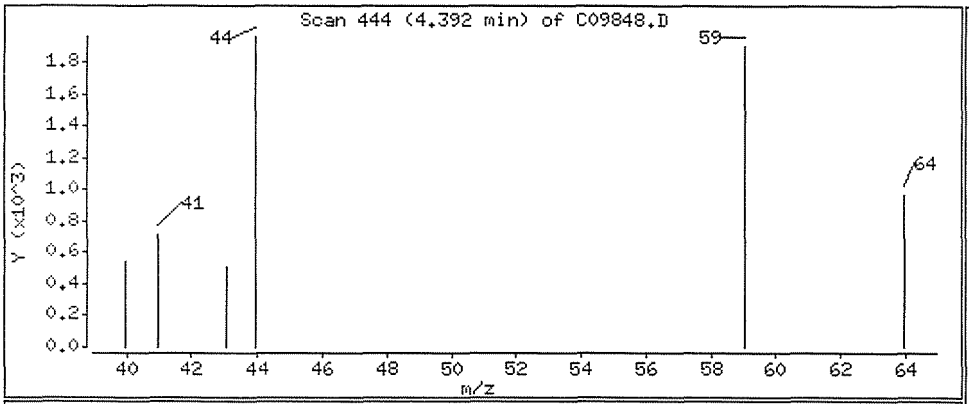
Client ID: C09848 Instrument: mc.i

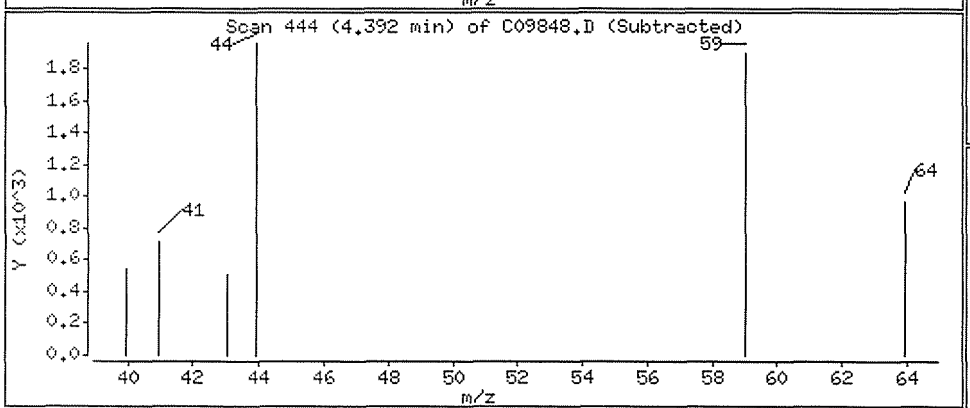
Sample Info: DLW72101,,1,,0,1,0,8260BCL,M,C09848

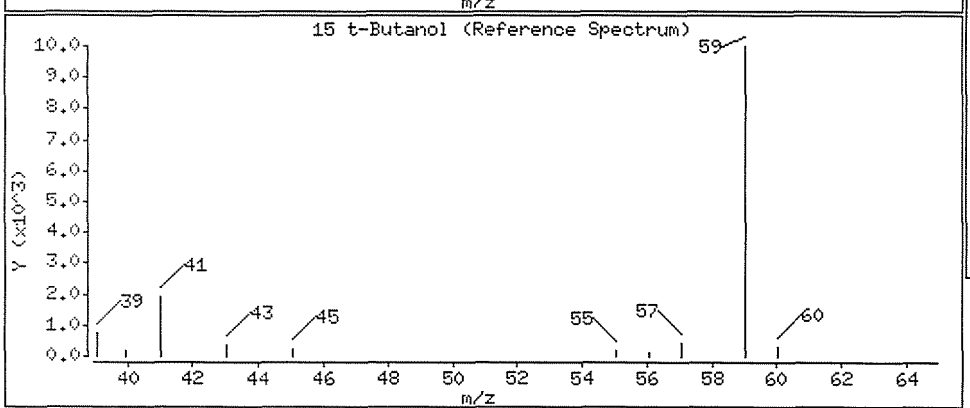
Purge Volume: 12.5 Operator: RRT

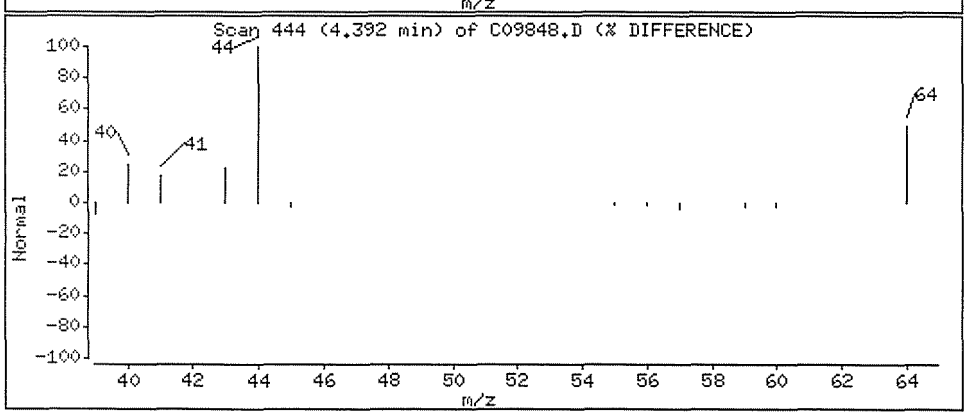
Column phase: J&W DB-624 Column diameter: 0.53

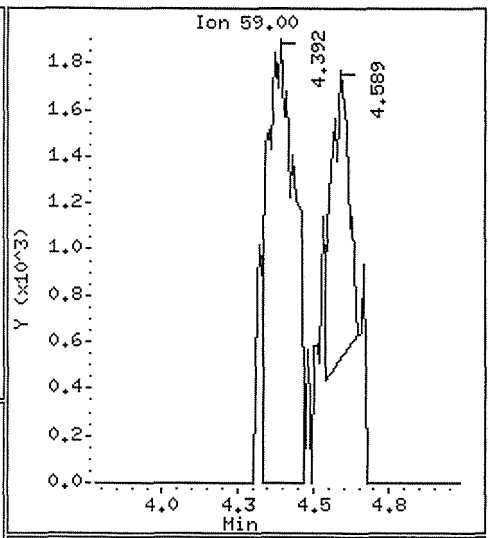
15 t-Butanol Concentration: 33.44 ug/L

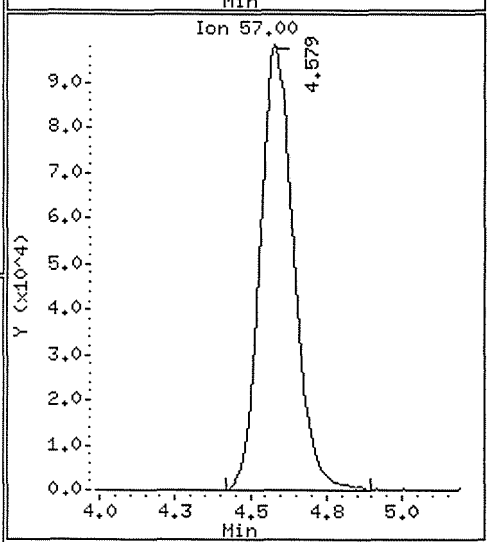


Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

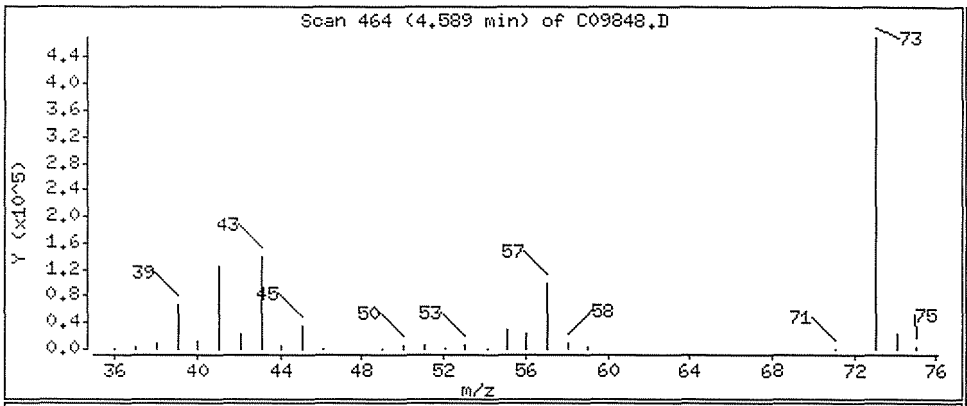
Client ID: C09848 Instrument: mc.i

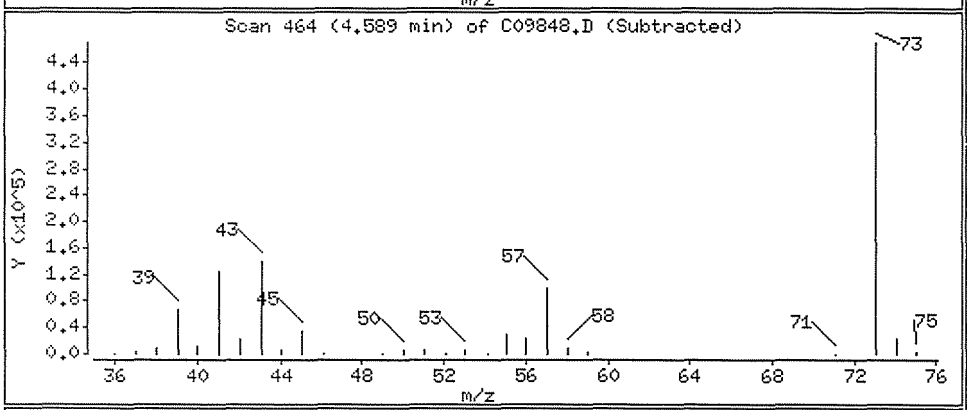
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

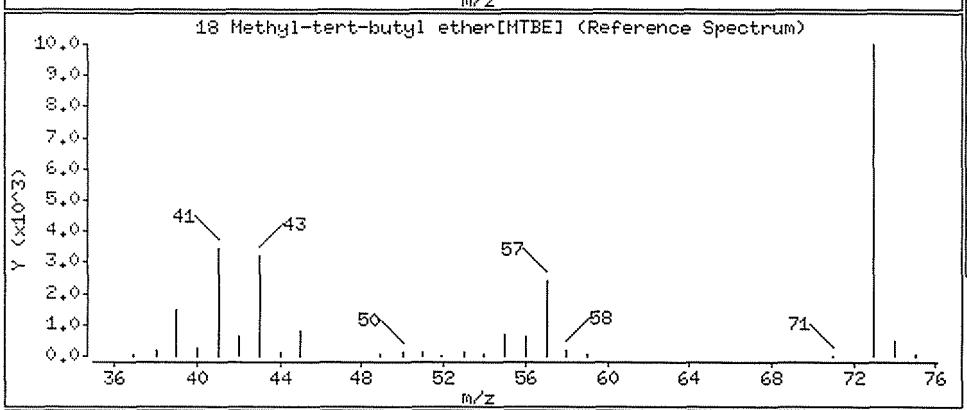
Purge Volume: 12.5 Operator: RRT

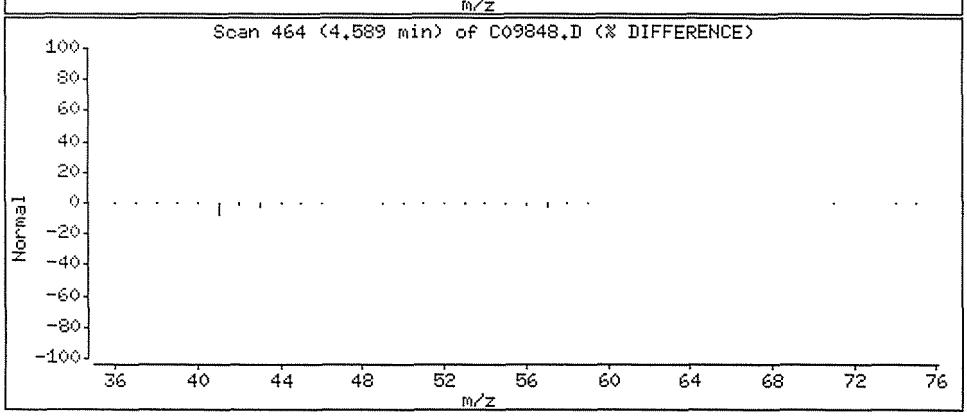
Column phase: J&W DB-624 Column diameter: 0.53

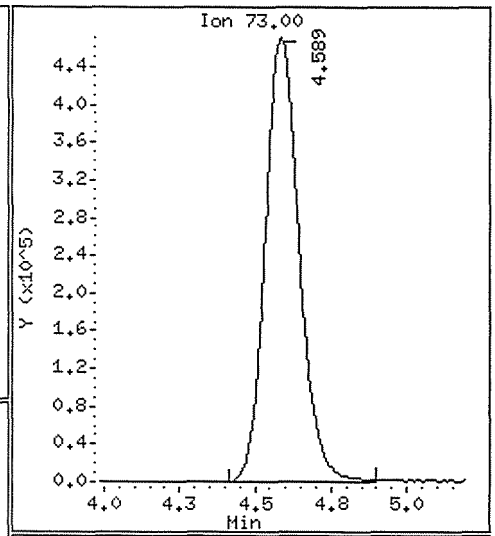
18 Methyl-tert-butyl ether[MTBE] Concentration: 187.1 ug/L

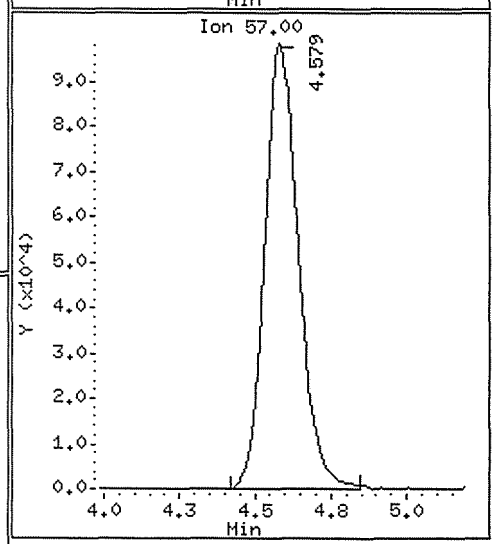


Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

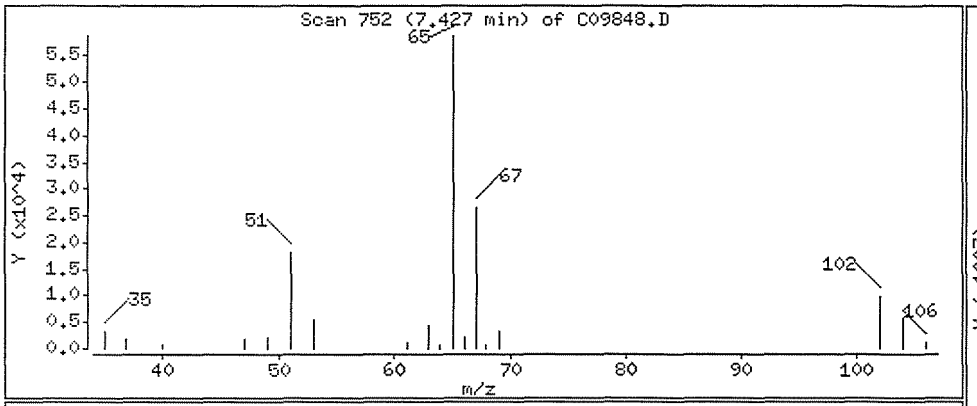
Client ID: C09848 Instrument: mc.i

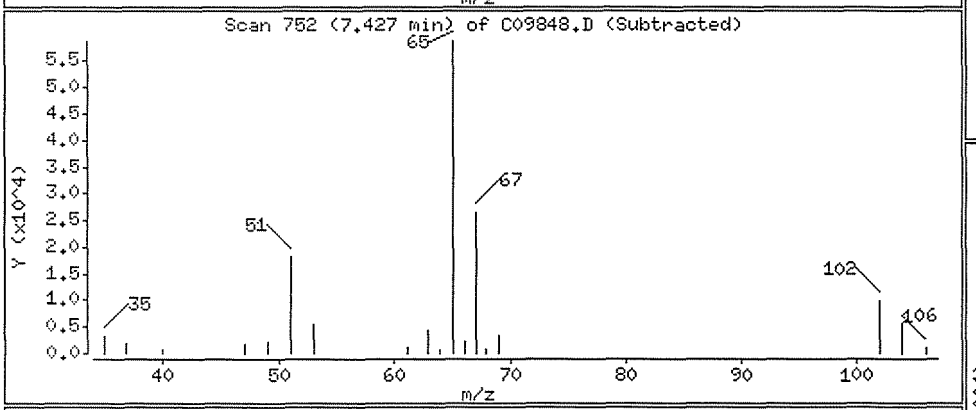
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

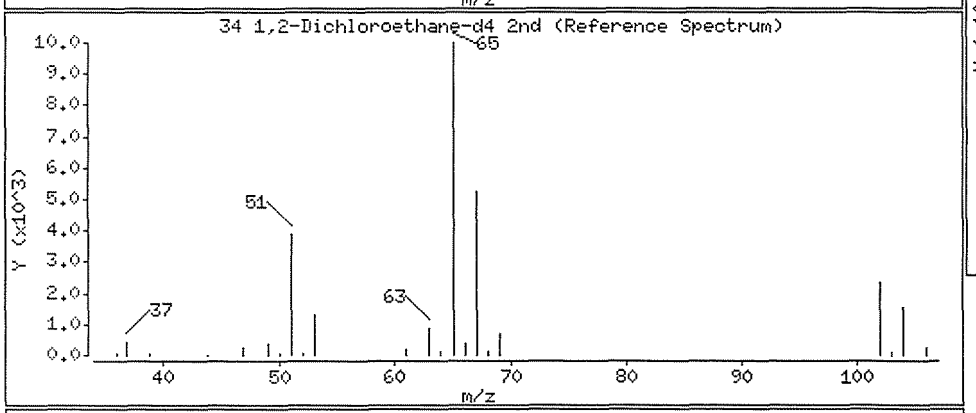
Purge Volume: 12.5 Operator: RRT

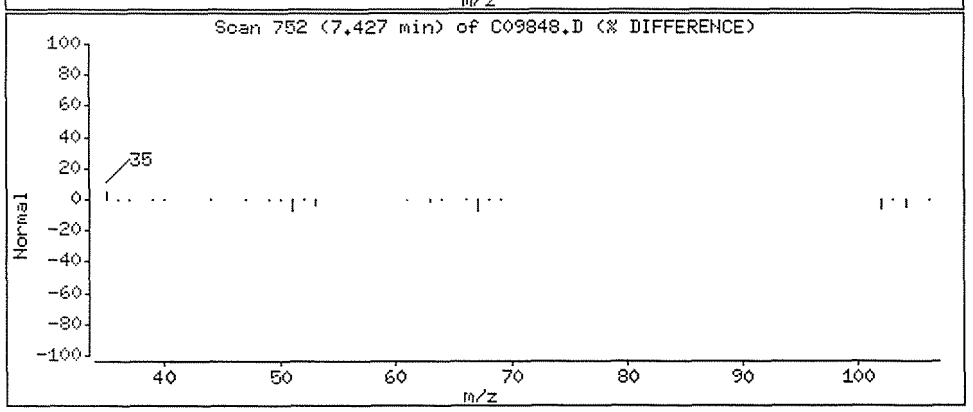
Column phase: J&W DB-624 Column diameter: 0.53

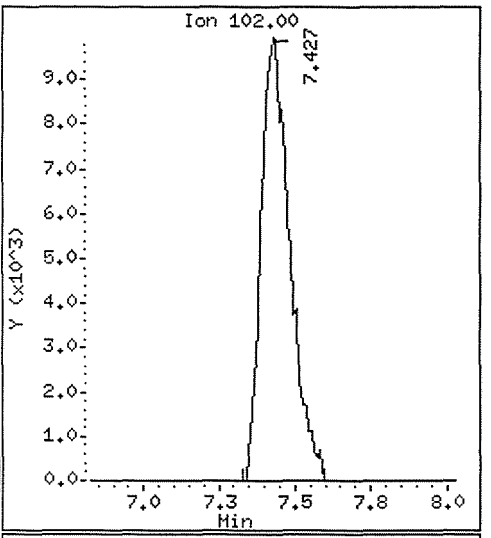
34 1,2-Dichloroethane-d4 2nd Concentration: 21.84 ug/L

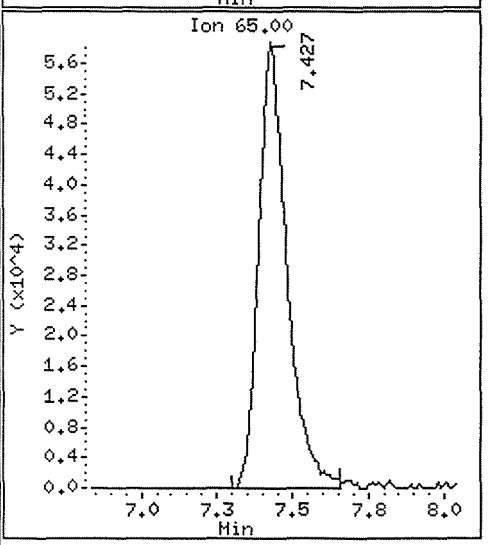


Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D



Date : 15-OCT-2000 20:28

Client ID: C09848

Instrument: mc.i

Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

Purge Volume: 12.5

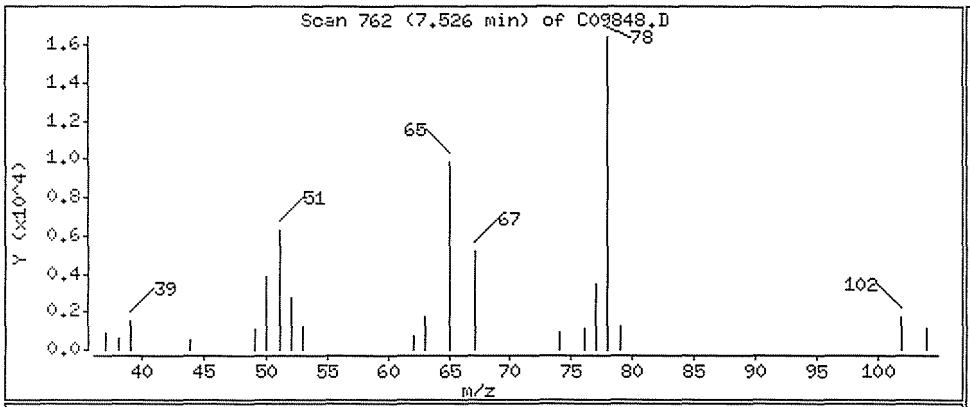
Operator: RRT

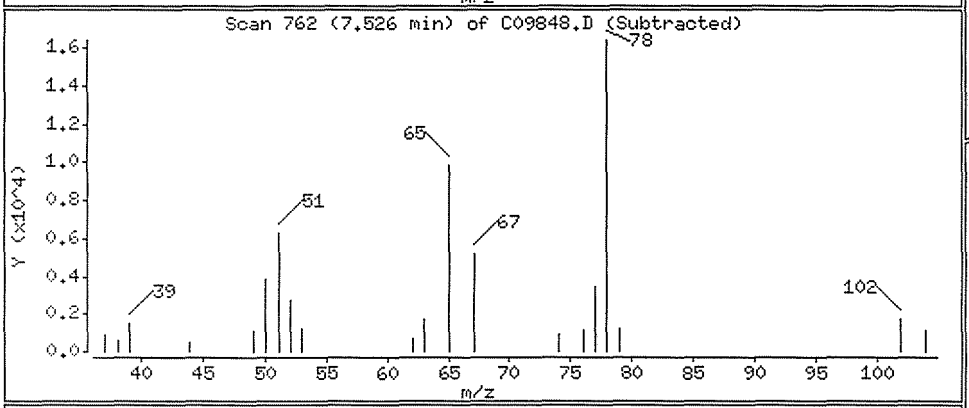
Column phase: J&W DB-624

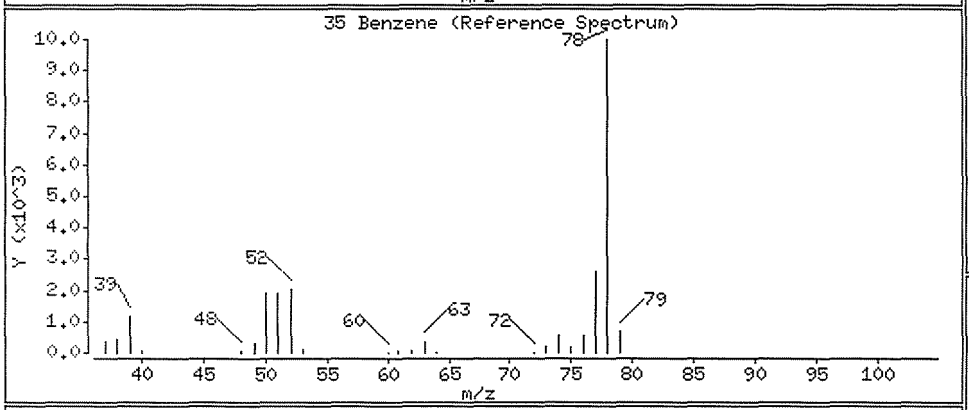
Column diameter: 0.53

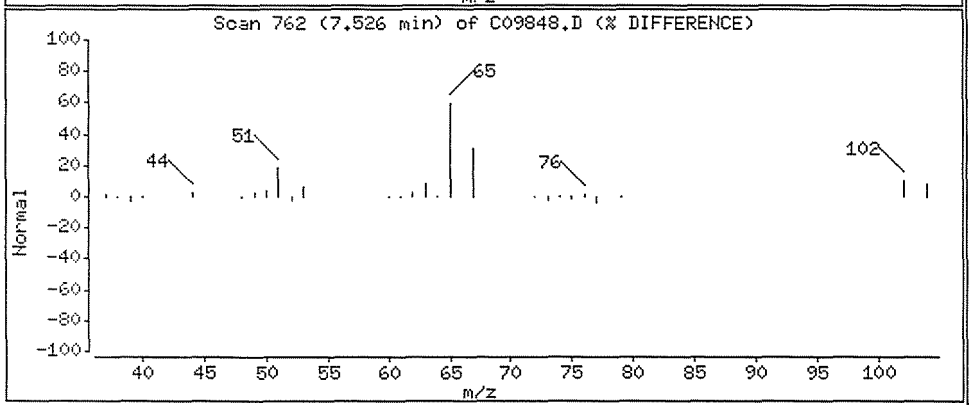
35 Benzene

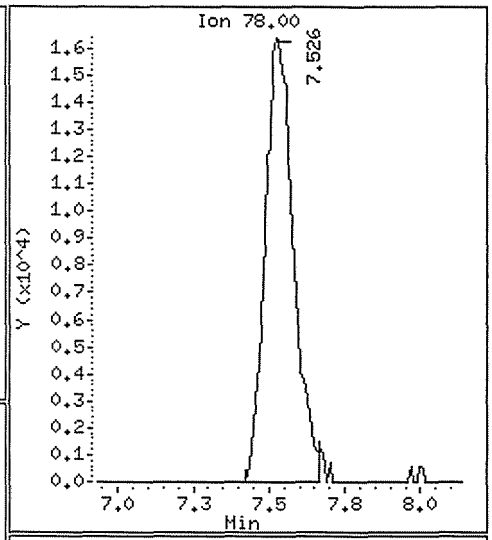
Concentration: 1.97 ug/L

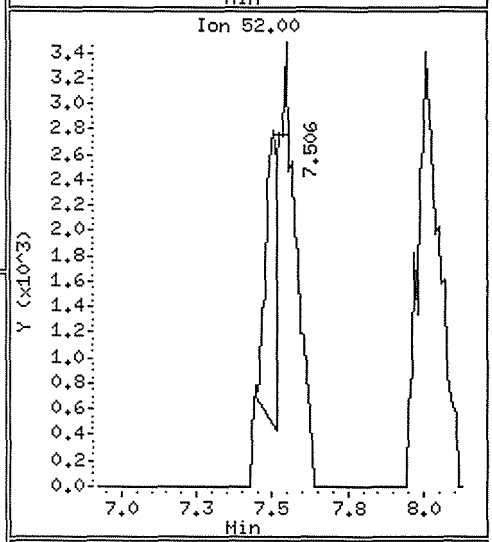


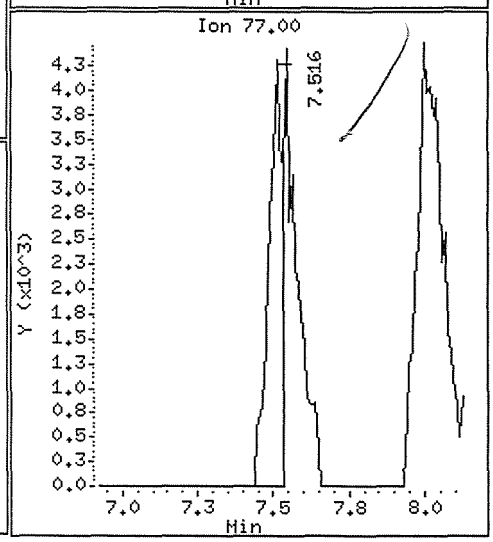



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

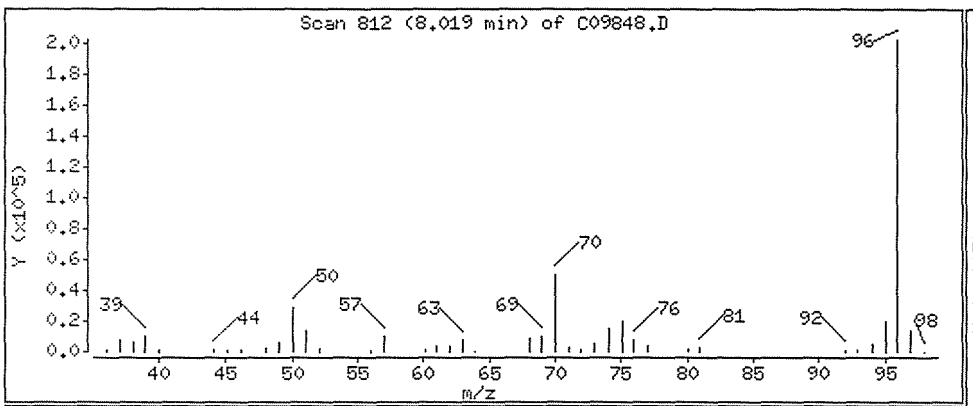
Client ID: C09848 Instrument: mc.i

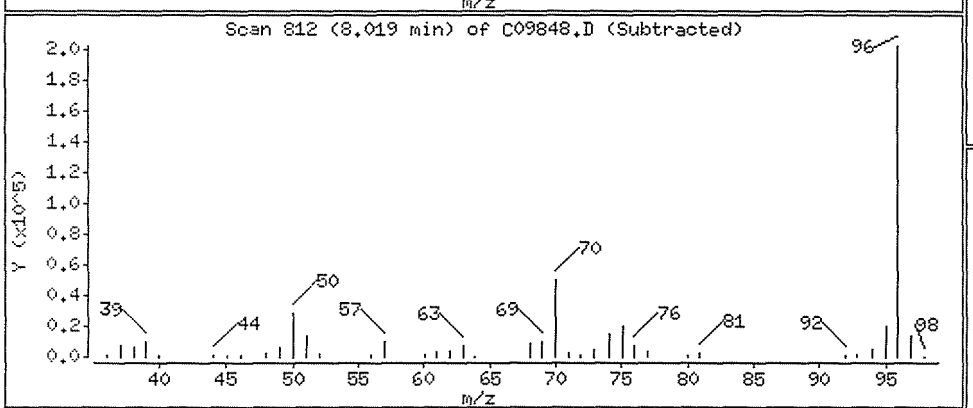
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

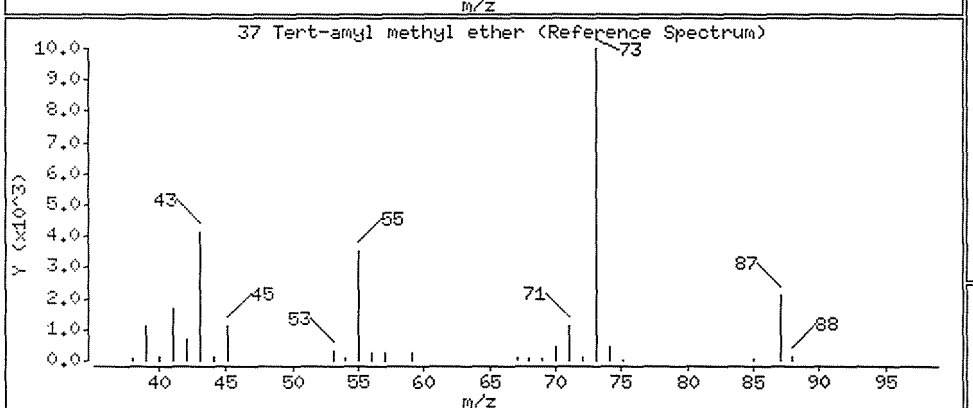
Purge Volume: 12.5 Operator: RRT

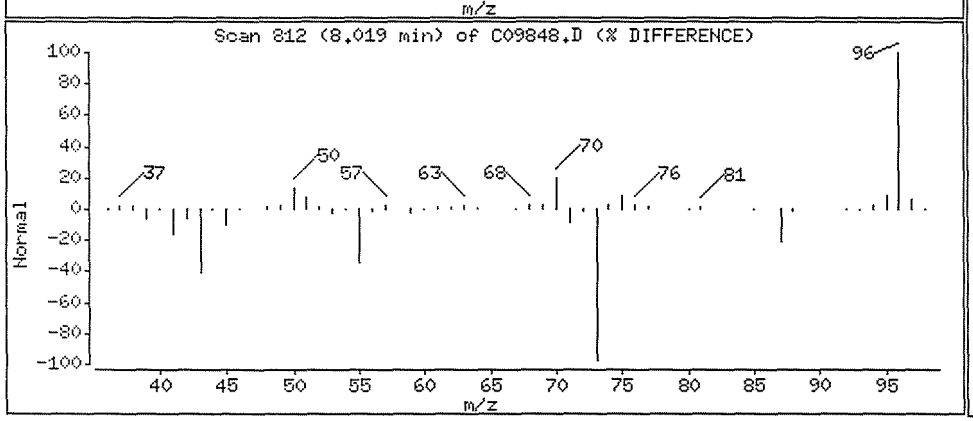
Column phase: J&W DB-624 Column diameter: 0.53

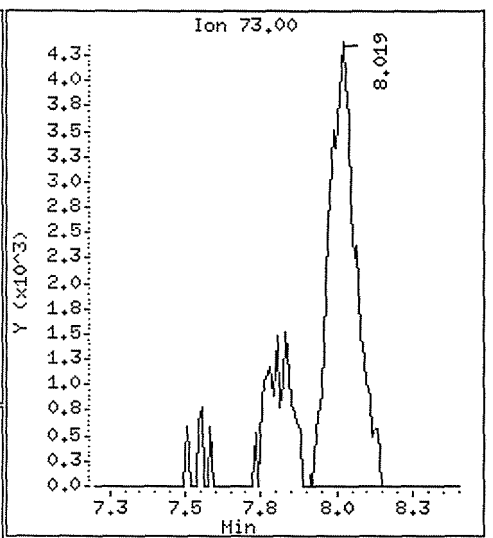
37 Tert-amyl methyl ether Concentration: 0.978 ug/L

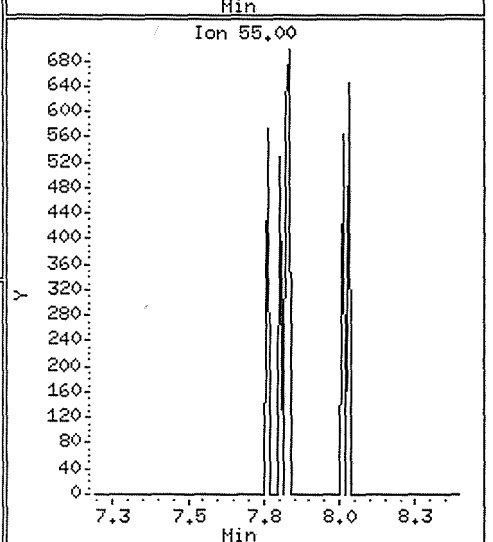


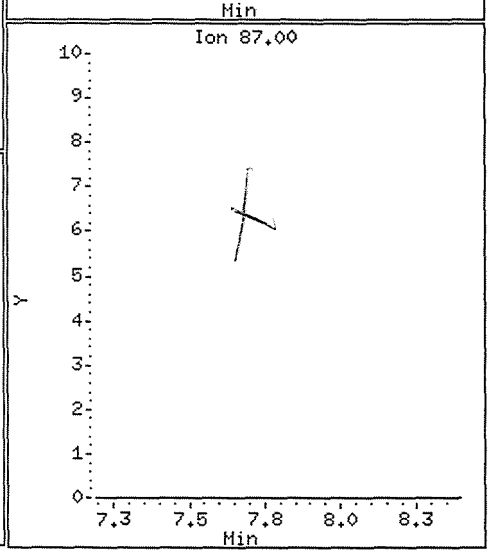



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

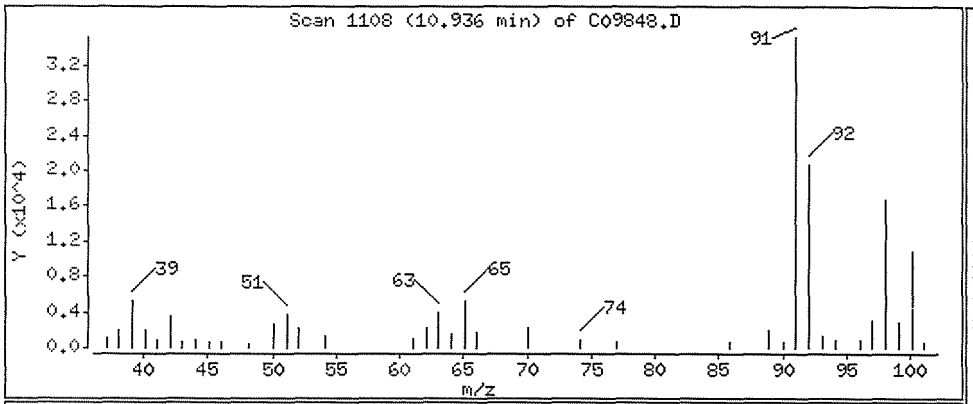
Client ID: C09848 | Instrument: mc.i

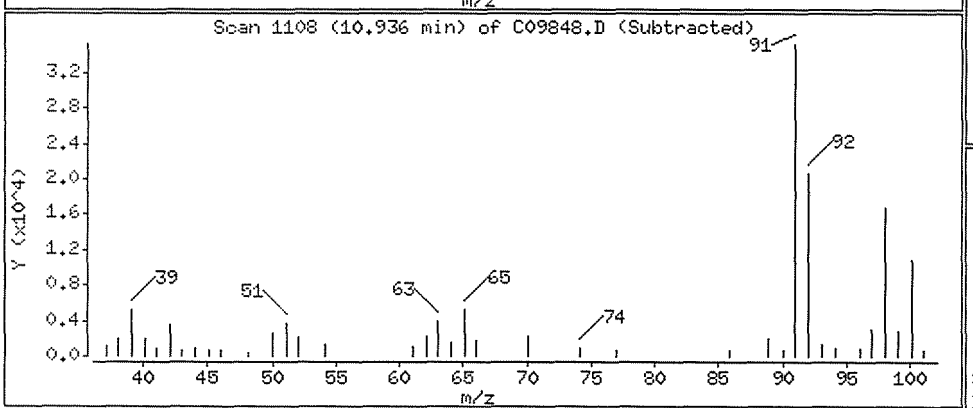
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

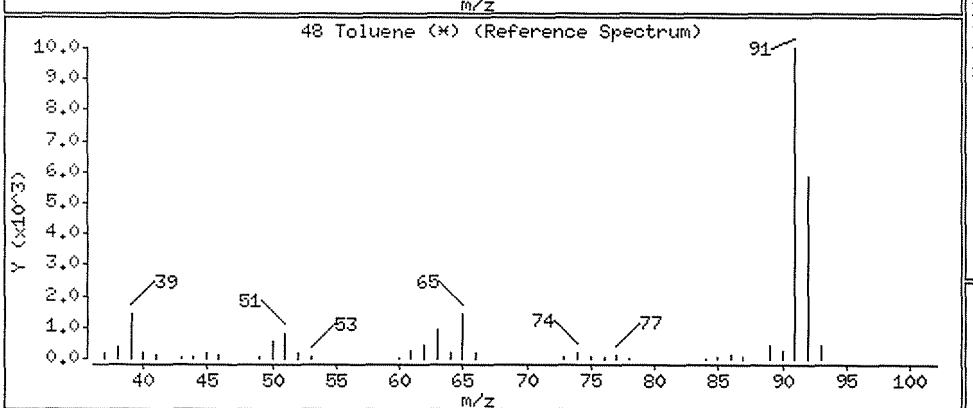
Purge Volume: 12.5 | Operator: RRT

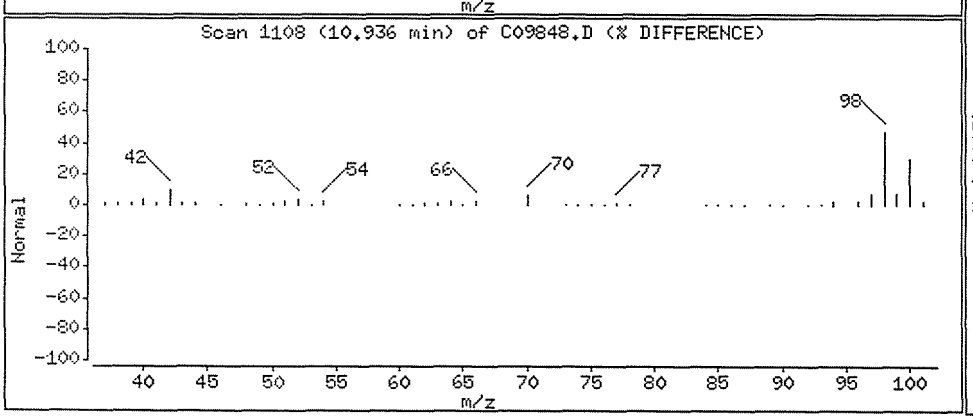
Column phase: J&W DB-624 | Column diameter: 0.53

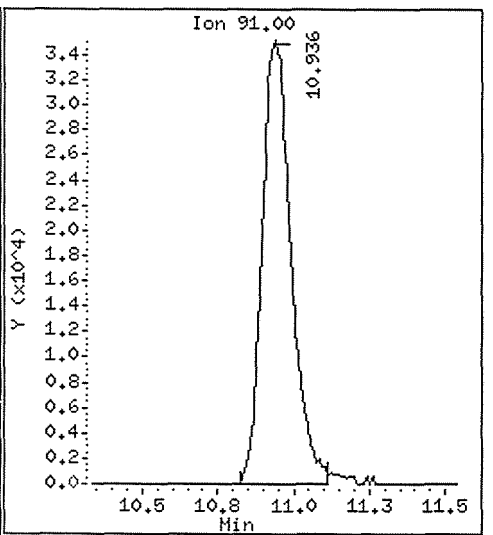
48 Toluene (*) | Concentration: 3.28 ug/L

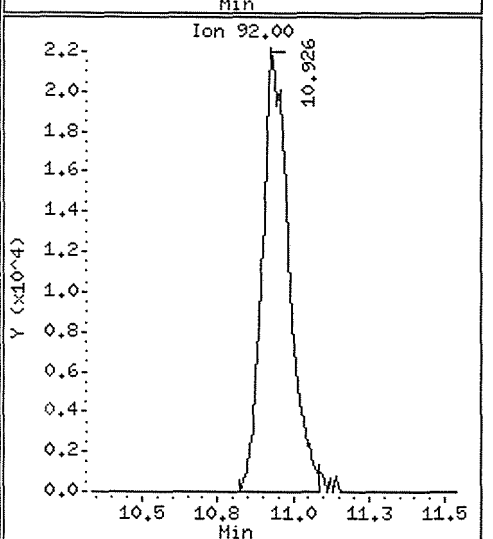


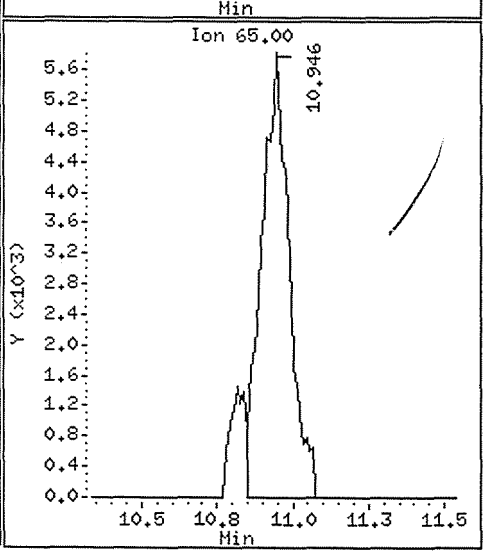



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

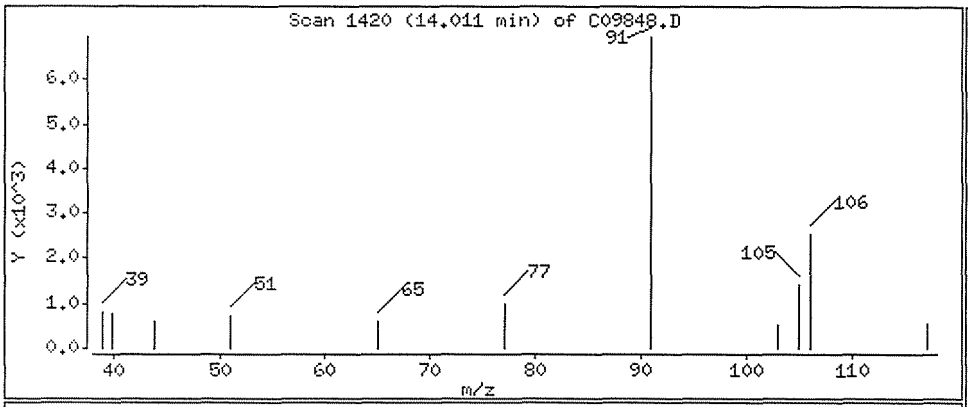
Client ID: C09848 Instrument: mc.i

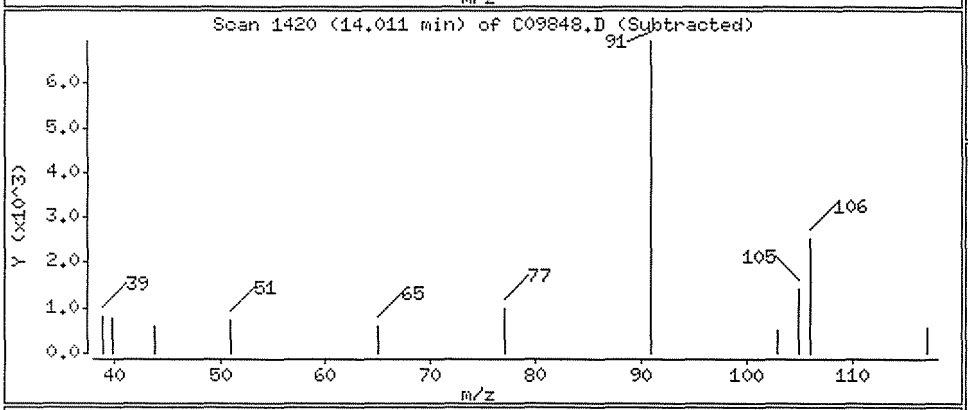
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

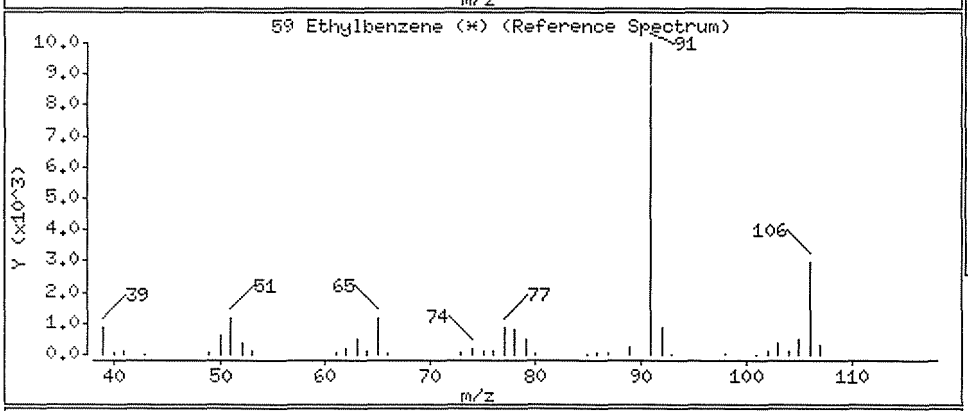
Purge Volume: 12.5 Operator: RRT

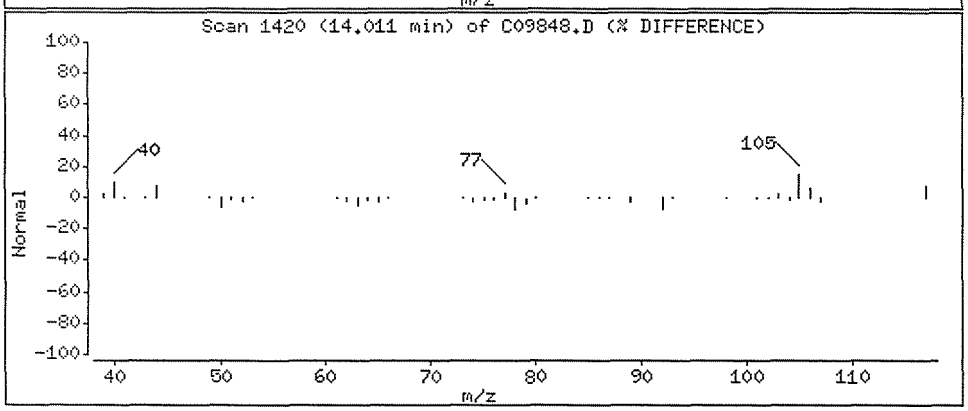
Column phase: J&W DB-624 Column diameter: 0.53

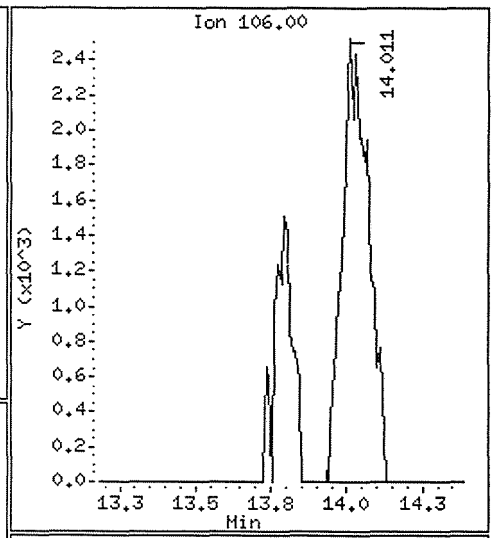
59 Ethylbenzene (*) Concentration: 0.570 ug/L

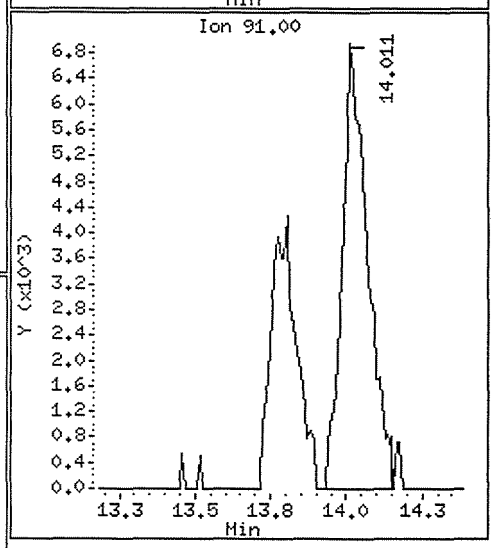


Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

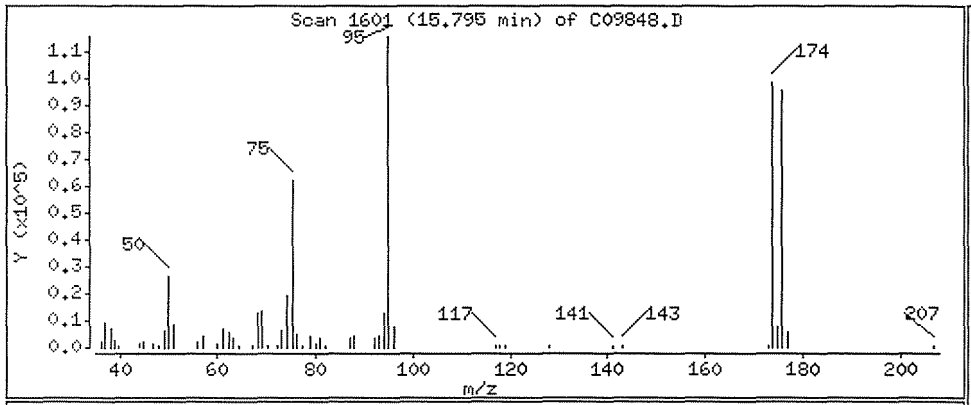
Client ID: C09848 Instrument: mc.i

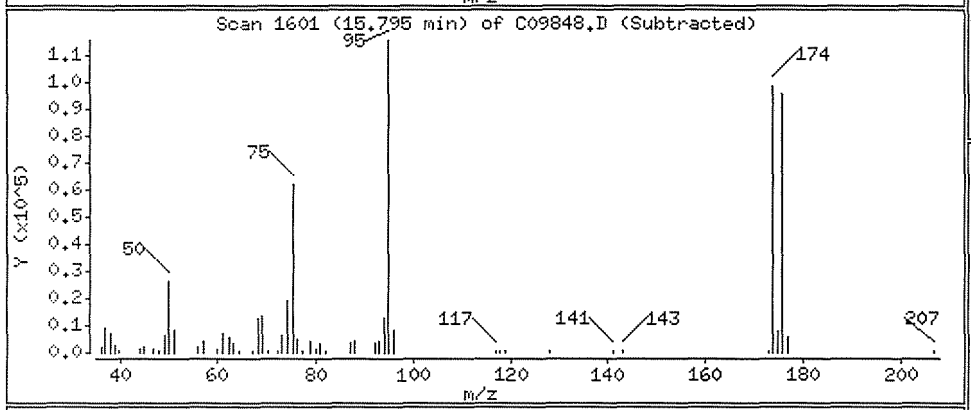
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

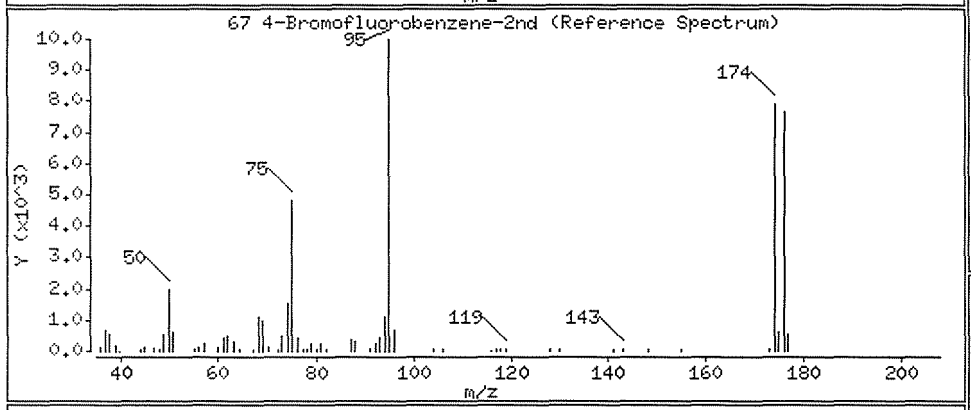
Purge Volume: 12.5 Operator: RRT

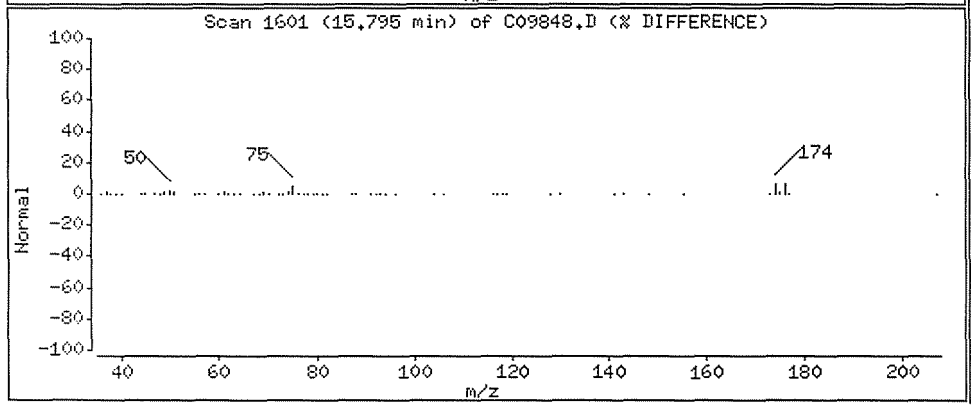
Column phase: J&W DB-624 Column diameter: 0.53

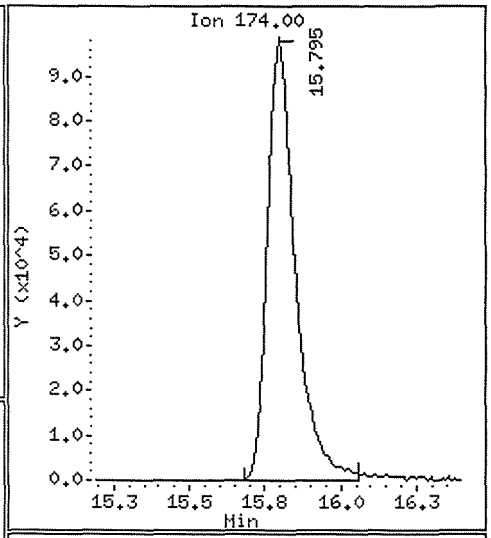
67 4-Bromofluorobenzene-2nd Concentration: 20.22 ug/L

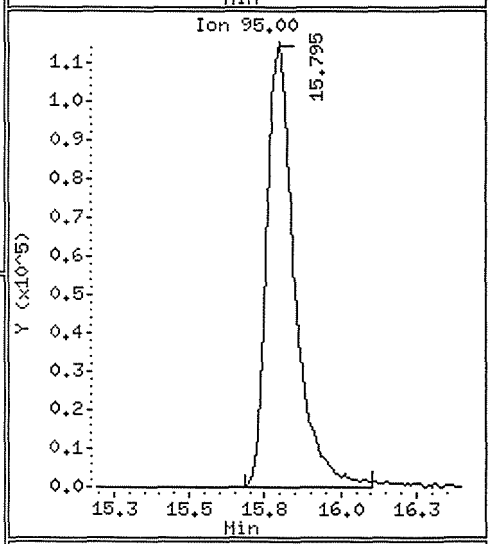


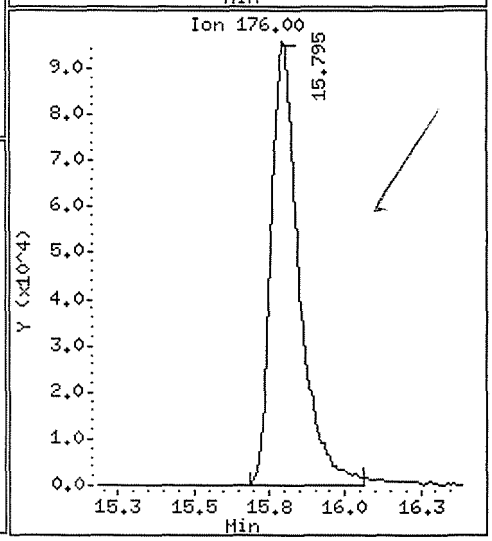



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

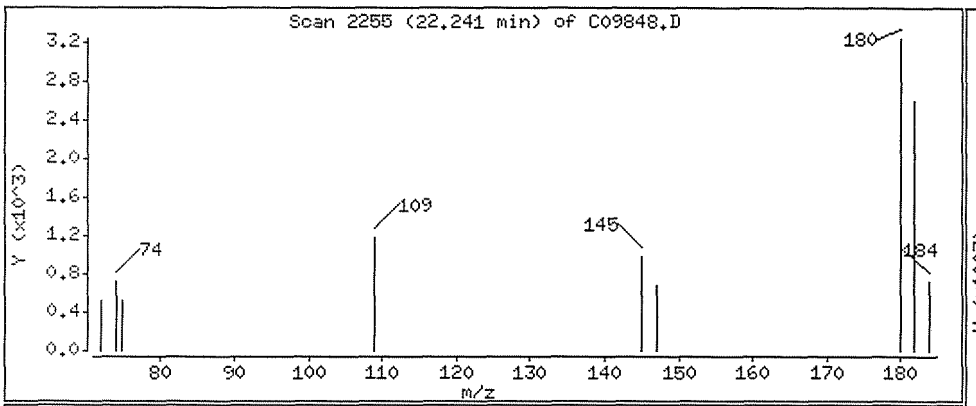
Client ID: C09848 Instrument: mc.i

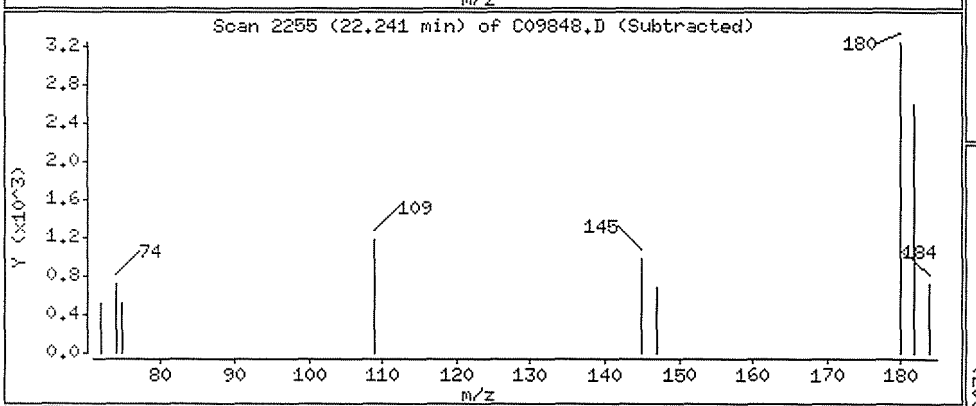
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

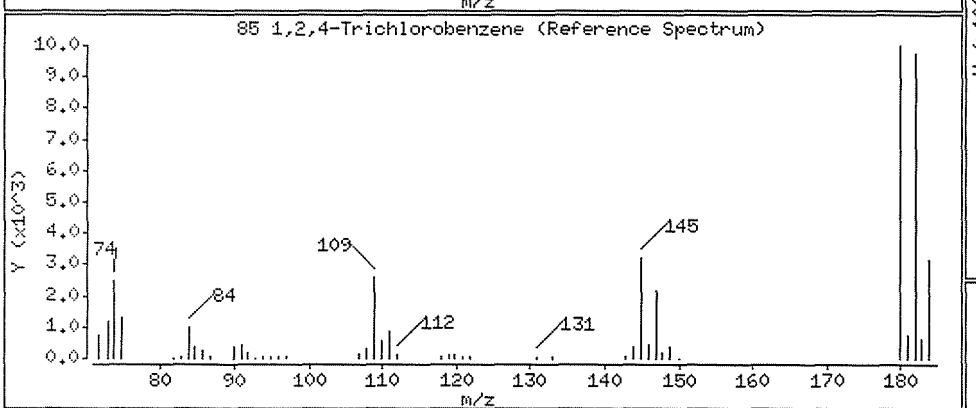
Purge Volume: 12.5 Operator: RRT

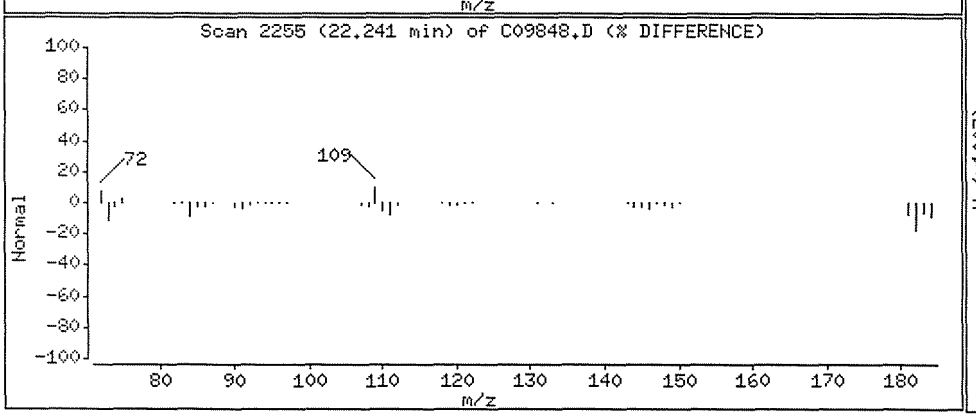
Column phase: J&W DB-624 Column diameter: 0.53

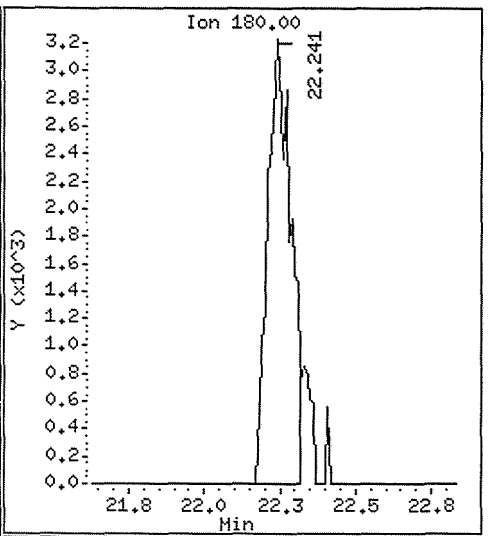
85 1,2,4-Trichlorobenzene Concentration: 0.437 ug/L

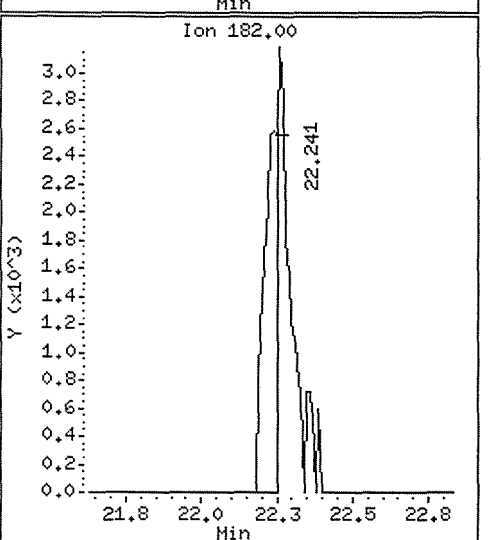


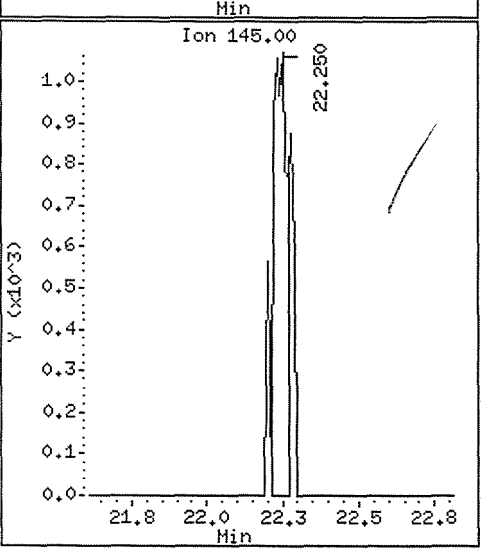



Data File: \\SANP2010\D\CHEM\MC.I\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

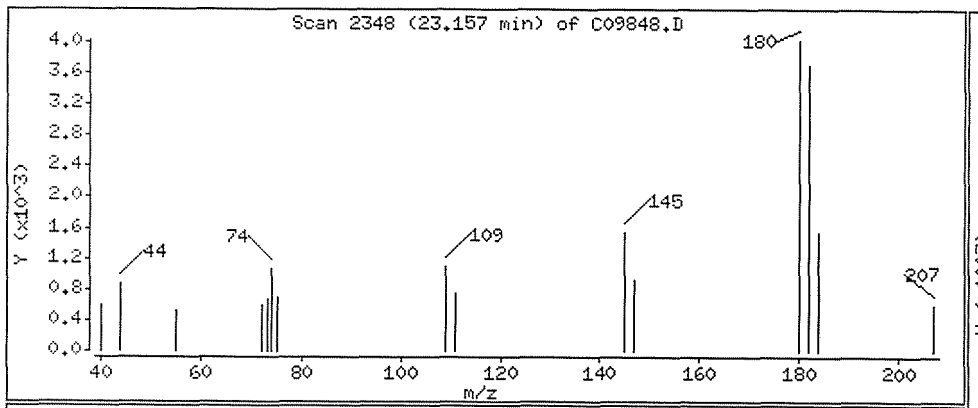
Client ID: C09848 Instrument: mc.i

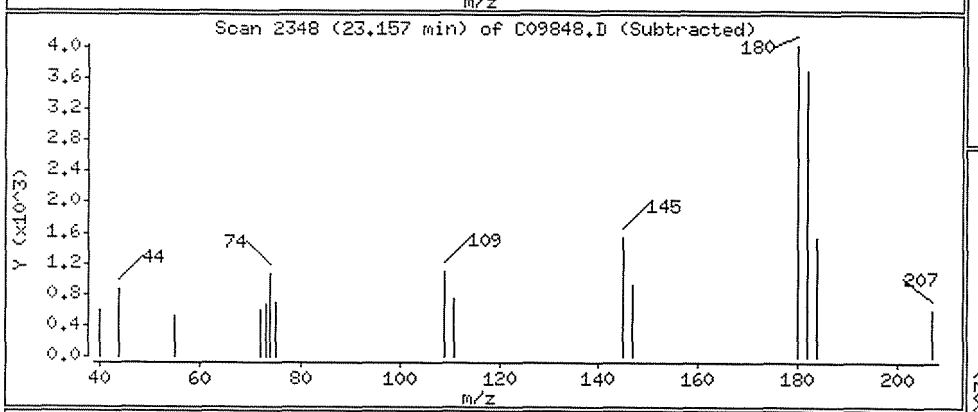
Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

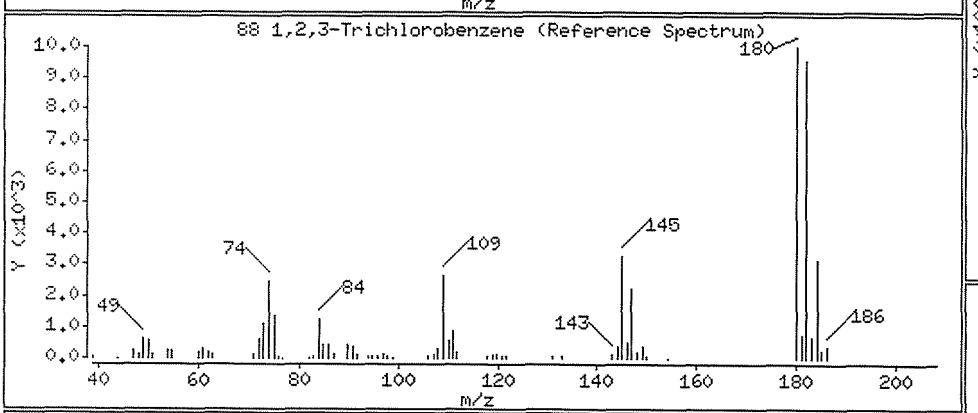
Purge Volume: 12.5 Operator: RRT

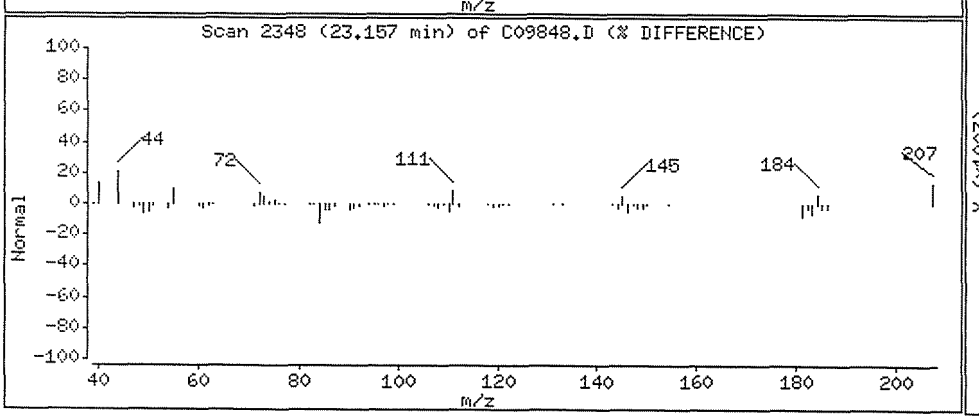
Column phase: J&W DB-624 Column diameter: 0.53

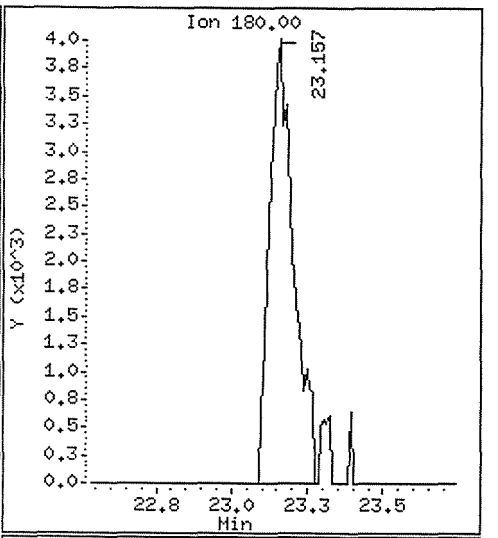
88 1,2,3-Trichlorobenzene Concentration: 0.753 ug/L

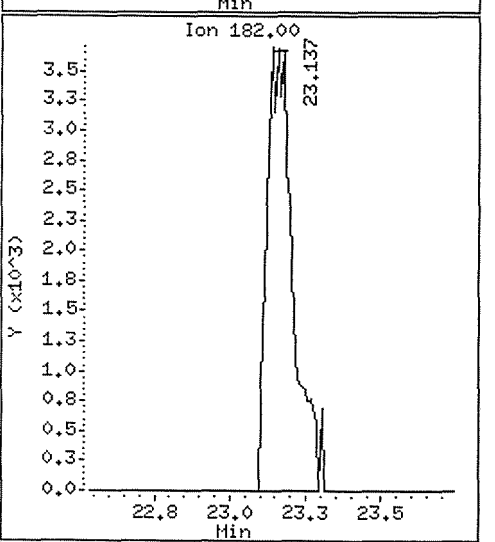


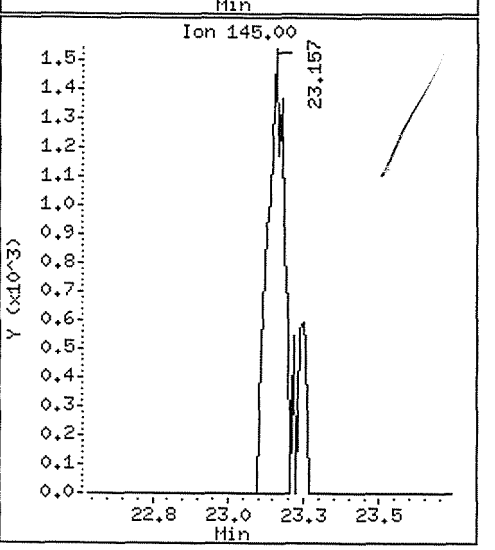



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2010\D\chem\mc.i\1015AC.B\C09848.D
Lab Smp Id: DLW72101 Client Smp ID: C09848
Inj Date : 15-OCT-2000 20:28
Operator : RRT Inst ID: mc.i
Smp Info : DLW72101,,1,,0,1,0,8260BCL.M,C09848
Misc Info : ,12.5,,,0,1-8260B.SUB
Comment :
Method : \\SANP2010\D\CHEM\MC.I\1015AC.B\8260BCL.m
Meth Date : 16-Oct-2000 17:20 donga Quant Type: ISTD
Cal Date : 13-OCT-2000 19:30 Cal File: CS2049.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2010

Concentration Formula: Amt * DF * Uf * Vod/Vo

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Fctor |
| Vod | 25.000 | Default Sample Volume |
| Vo | 12.500 | Sample Volume |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 8.019 | 3191119 | 10.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL( ug/L) | FINAL( ug/L) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| 1-Propene, 2-methyl- | | | | CAS #: 115-11-7 | | | |
| 2.105 | 435134 | 1.36357772 | 2.73 | 80 | NBS75K.L | 62305 | 38 |
| Unknown | | | | CAS #: | | | |
| 3.574 | 0 | 0.00000000 | 0.000 | 0 | | 0 | |
| Benzene, 1,3-dimethyl- | | | | CAS #: 108-38-3 | | | |
| 14.011 | 0 | 0.00000000 | 0.000 | 90 | NBS75K.L | 63697 | |

Data File: \\SANP2010\D\chem\mc.i\1015AC.B\C09848.D



Date : 15-OCT-2000 20:28

Client ID: C09848

Instrument: mc.i

Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

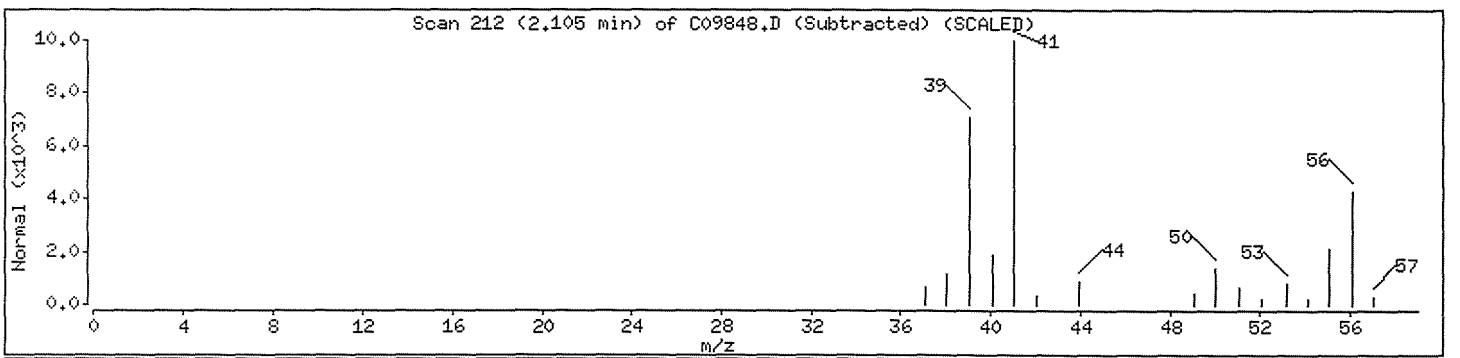
Purge Volume: 12.5

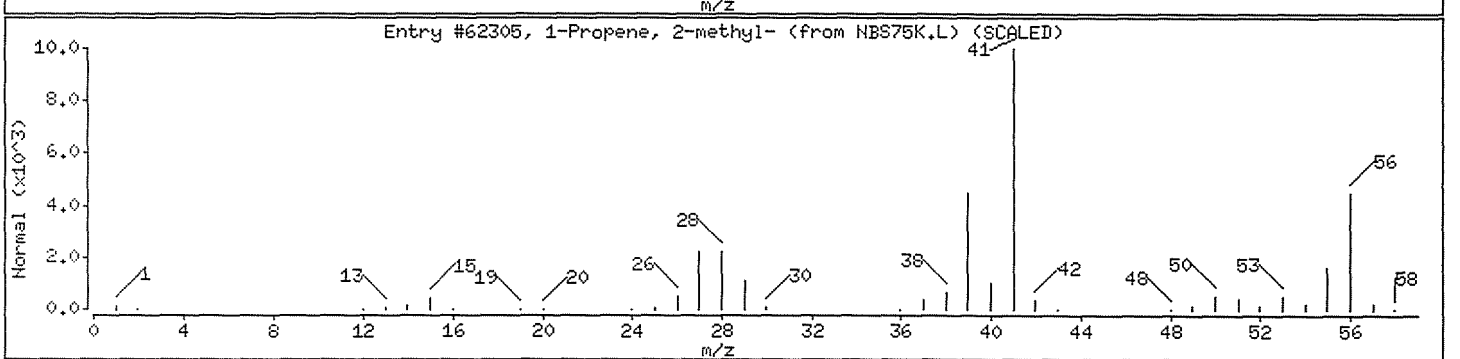
Operator: RRT

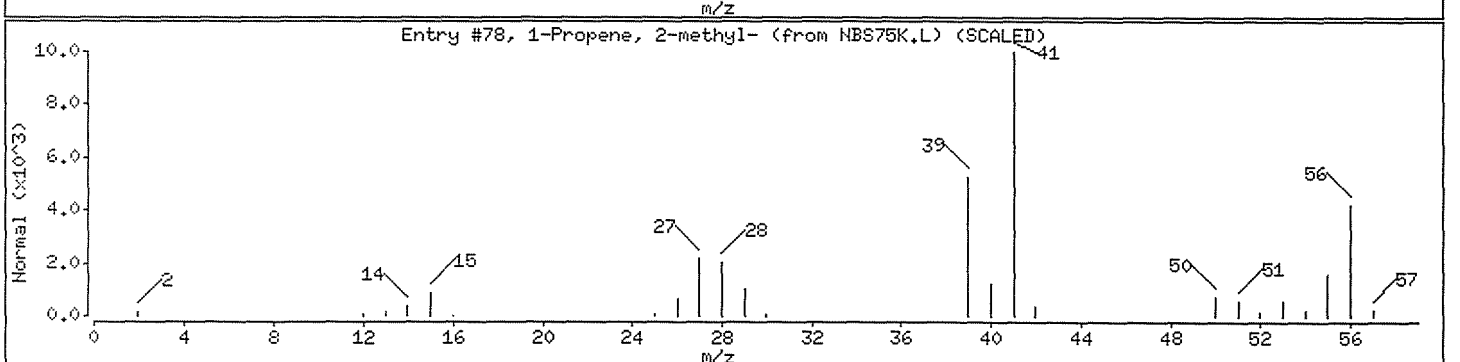
Column phase: J&W DB-624

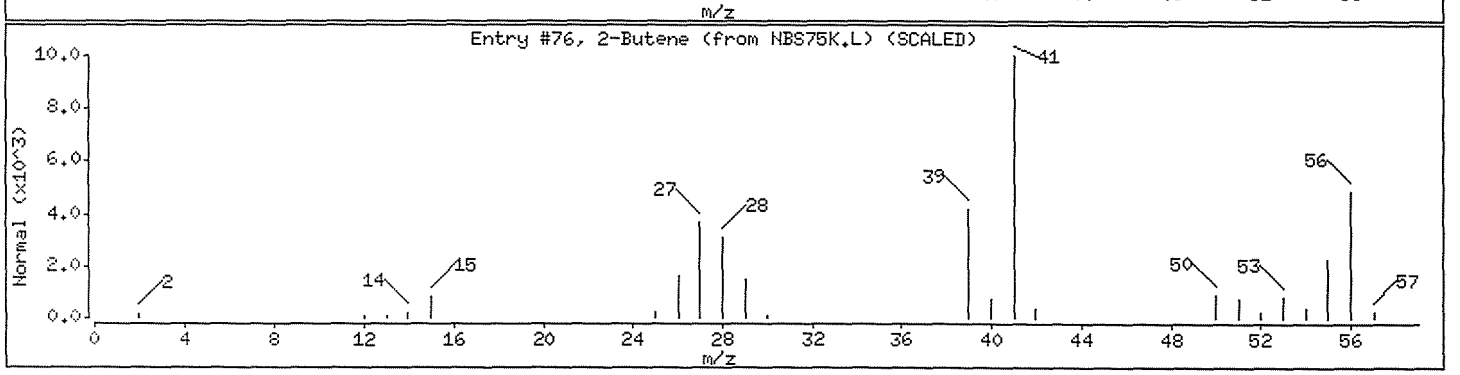
Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| 1-Propene, 2-methyl- | 115-11-7 | NBS75K.L | 62305 | 80 | C4H8 | 56 |
| 1-Propene, 2-methyl- | 115-11-7 | NBS75K.L | 78 | 64 | C4H8 | 56 |
| 2-Butene | 107-01-7 | NBS75K.L | 76 | 53 | C4H8 | 56 |



Data File: \\SANP2010\D\chem\mc.i\1015AC.B\C09848.D

Date : 15-OCT-2000 20:28

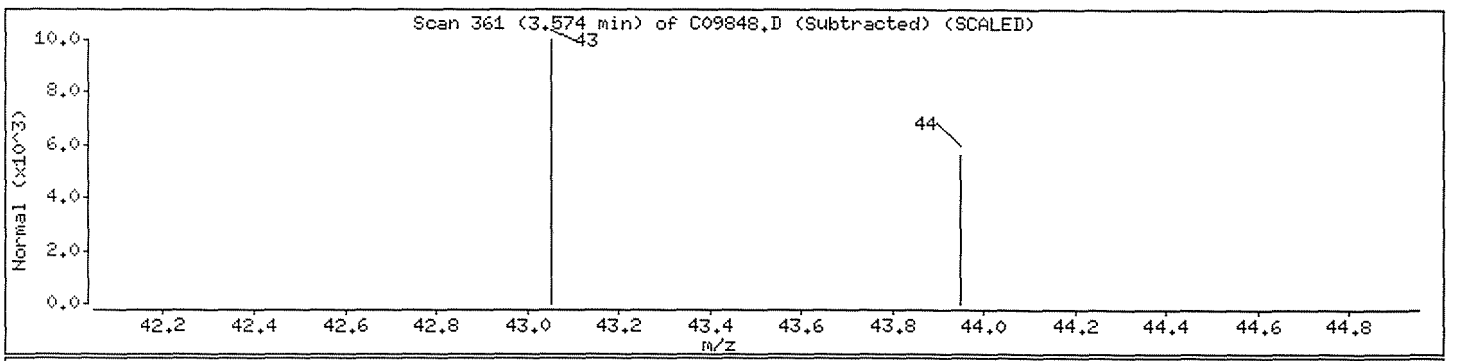
Client ID: C09848 Instrument: mc.i

Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

Purge Volume: 12.5 Operator: RRT

Column phase: J&W DB-624 Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| Unknown | | | 0 | 0 | | 0 |



Data File: \\SANP2010\D\chem\mc.i\1015AC.B\C09848.D



Date : 15-OCT-2000 20:28

Client ID: C09848

Instrument: mc.i

Sample Info: DLW72101,,1,,0,1,0,8260BCL.M,C09848

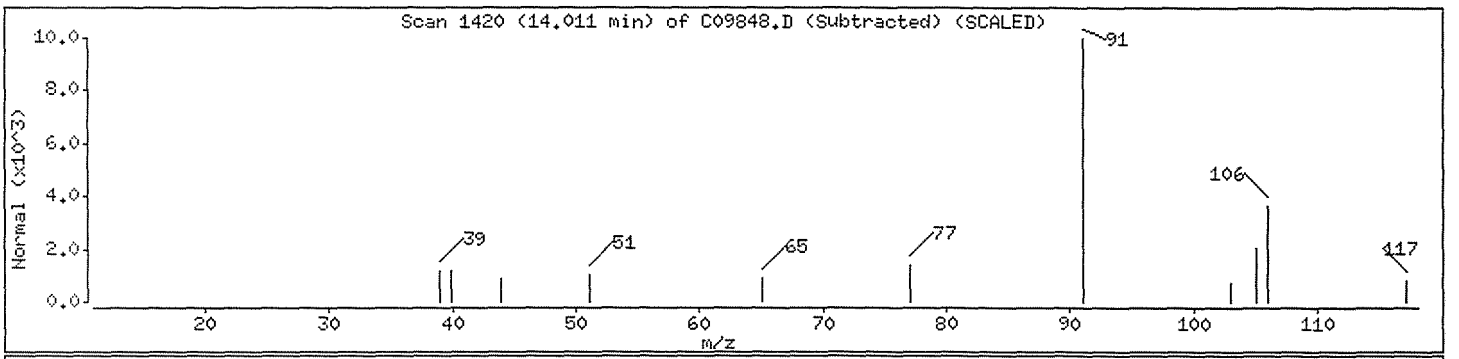
Purge Volume: 12.5

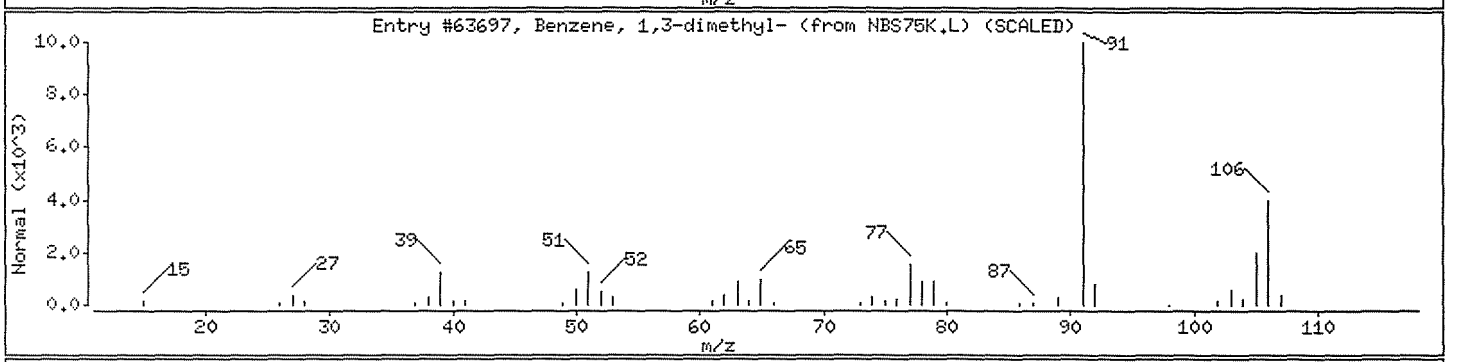
Operator: RRT

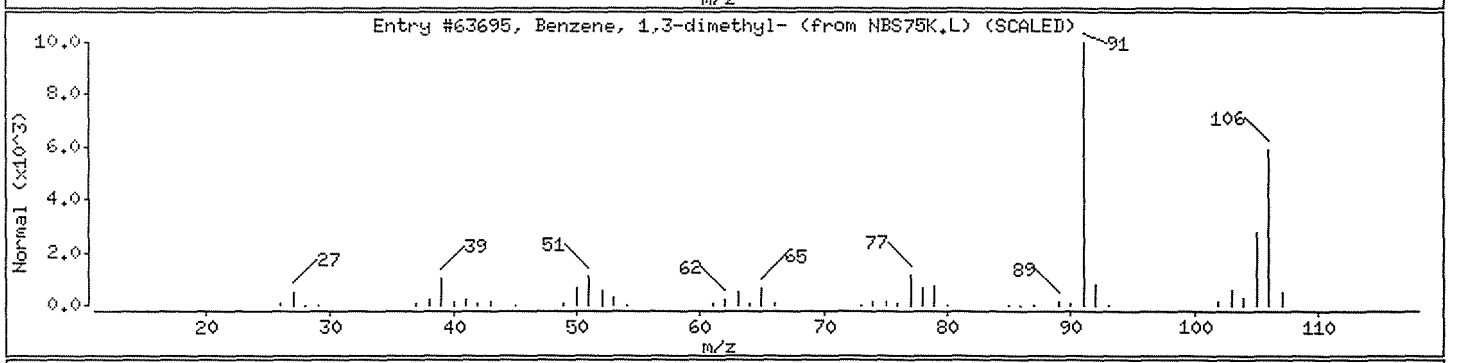
Column phase: J&W DB-624

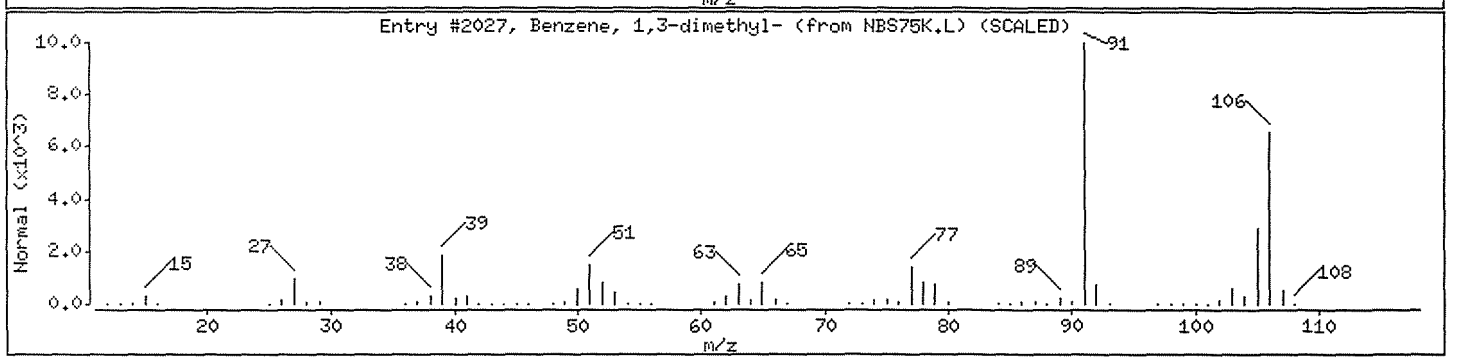
Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| Benzene, 1,3-dimethyl- | 108-38-3 | NBS75K.L | 63697 | 90 | C8H10 | 106 |
| Benzene, 1,3-dimethyl- | 108-38-3 | NBS75K.L | 63695 | 83 | C8H10 | 106 |
| Benzene, 1,3-dimethyl- | 108-38-3 | NBS75K.L | 2027 | 83 | C8H10 | 106 |



# 8260B SAMPLE / QC DATA

DATE ANALYZED: 10/2/00

INSTRUMENT ID: MSG

SAMPLES: E0J100272-1→5



BOE-C6-0167539

STL Los Angeles

Batch ID: 0298630

# GC/MS VOA Run Log

FJK 10/26/00

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☑ 5030B ☐ 5035

Inst ID: MSG | EM Set: 1894 | Tune File: BFB | Seq File: 1021AG

Init. Cal ID: 8260BGS 10-18-00 | Date: 10-21-00

| Inj. Time | Analyst | File ID | Work Order # | AS # | Matrix | Sample Wt/Vol | Dil. | I.S. | Run | Rerun | pH | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11:51 | GFB | GT1375 | 50ug BFB | — | — | 1ul | — | — | ✓ | | | 1265-2 |
| 12:10 | | GS2307 | 50ppb 8260B STD | 1 | S | 5g | 1 | 107 | ✓ | | | 1259-1; 53-2A, 65-1 |
| 12:55 | | G09150 | LCS 1021AG | 2 | | | | 133 | ✓ | | | 1252-1 |
| 13:30 | | 51 | MB 1021AG | 3 | | | | 116 | ✓ | | | |
| 14:06 | | 52 | DLW5C101 | 4 | | | | 116 | ✓ | | | EOJ100272-1 |
| 14:41 | | 53 | DLW5K101 | 5 | | | | 120 | ✓ | | | -2 |
| 15:16 | | 54 | DLW5M101 | 6 | | | | 124 | ✓ | | | -3 |
| 15:51 | | 55 | DLW5N101 | 7 | | | | 117 | ✓ | | | -4 |
| 16:26 | | 56 | DLW5P101 | 8 | | | | 122 | ✓ | | | -5 |
| 17:01 | | 57 | DLW5C102 S | 9 | | | | 101 | ✓ | | | -1MS 1252-1 |
| 17:36 | | 58 | DLW5C103 D | 10 | | | | 126 | ✓ | | | -1MSD |
| 18:11 | | 59 | DLTE2102 | 11 | | | | 84 | ✓ | | | EOJ090226-28 |
| 18:46 | | 60 | DLTDR102 | 12 | | | | 113 | ✓ | | | -22 |
| 19:20 | | 61 | DLTEH102 | 13 | | 1g | 5 | 125 | ✓ | | | -30 |
| 19:54 | | 62 | DM8TW1AC | 14 | | 5g | 1 | 124 | ✓ | | | EOJ160204-1 |
| 20:29 | | 63 | DM8VA1AC | 15 | | | | 122 | ✓ | | | -2 |
| 21:03 | | 64 | DM8VD1AC | 16 | | | | 115 | ✓ | | | -3 |
| 21:37 | | 65 | DM8VF1AC | 17 | | | | 129 | ✓ | | | -4 |
| 22:12 | | 66 | DM8VH1AC | 18 | | | | 120 | ✓ | | | -5 |
| | | ~~67~~ | | ~~19~~ | | | | | | | | |
| | | ~~68~~ | | ~~20~~ | | | | | | | | |

EM adjusted from 1741 to 1894 (Files GT1371, 2, 3, 4 & GS2305, 06 run before EM set at 1894)

000416

BOE-C6-0167540

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA06253

Lab File ID (Standard): GS2307 Date Analyzed: 10/21/00

Instrument ID: MG Time Analyzed: 1210

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

| | | IS1 AREA # | RT | IS2(CBZ) AREA # | RT | IS3(DCB) AREA # | RT |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1070703 | 7.31 | 878087 | 12.87 | 508685 | 17.51 |
| | UPPER LIMIT | 2141406 | 7.81 | 1756174 | 13.37 | 1017370 | 18.01 |
| | LOWER LIMIT | 535352 | 6.81 | 439044 | 12.37 | 254343 | 17.01 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | G09150 | 1335406 | 7.32 | 920624 | 12.86 | 555910 | 17.51 |
| 02 | G09151 | 1160440 | 7.35 | 941862 | 12.87 | 567295 | 17.51 |
| 03 | G09152 | 1162195 | 7.34 | 942281 | 12.86 | 556428 | 17.51 |
| 04 | G09153 | 1203069 | 7.34 | 963799 | 12.86 | 570723 | 17.52 |
| 05 | G09154 | 1244674 | 7.34 | 1023315 | 12.87 | 603816 | 17.50 |
| 06 | G09155 | 1172471 | 7.33 | 916865 | 12.85 | 548499 | 17.51 |
| 07 | G09156 | 1223792 | 7.34 | 994656 | 12.86 | 600876 | 17.50 |
| 08 | G09157 | 1018201 | 7.39 | 769691 | 12.88 | 404480 | 17.51 |
| 09 | G09158 | 1266106 | 7.33 | 988509 | 12.86 | 584252 | 17.50 |
| 10 | G09159 | 846416 | 7.34 | 661153 | 12.86 | 394155 | 17.50 |
| 11 | G09160 | 1130745 | 7.34 | 884817 | 12.86 | 505570 | 17.49 |
| 12 | G09161 | 1256379 | 7.33 | 992777 | 12.84 | 599061 | 17.48 |
| 13 | G09162 | 1249827 | 7.32 | 1016036 | 12.84 | 592270 | 17.49 |
| 14 | G09163 | 1222691 | 7.32 | 994545 | 12.84 | 583678 | 17.48 |
| 15 | G09164 | 1155451 | 7.32 | 884069 | 12.84 | 515391 | 17.49 |
| 16 | G09165 | 1294513 | 7.30 | 998262 | 12.83 | 580083 | 17.48 |
| 17 | G09166 | 1209868 | 7.32 | 897794 | 12.85 | 504954 | 17.47 |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

# Column used to flag internal standard area values with an asterisk.



FORM VIII VOA 1/87 Rev.

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\GT1375.D



Date : 21-OCT-2000 11:51

Client ID:

Instrument: mg.i

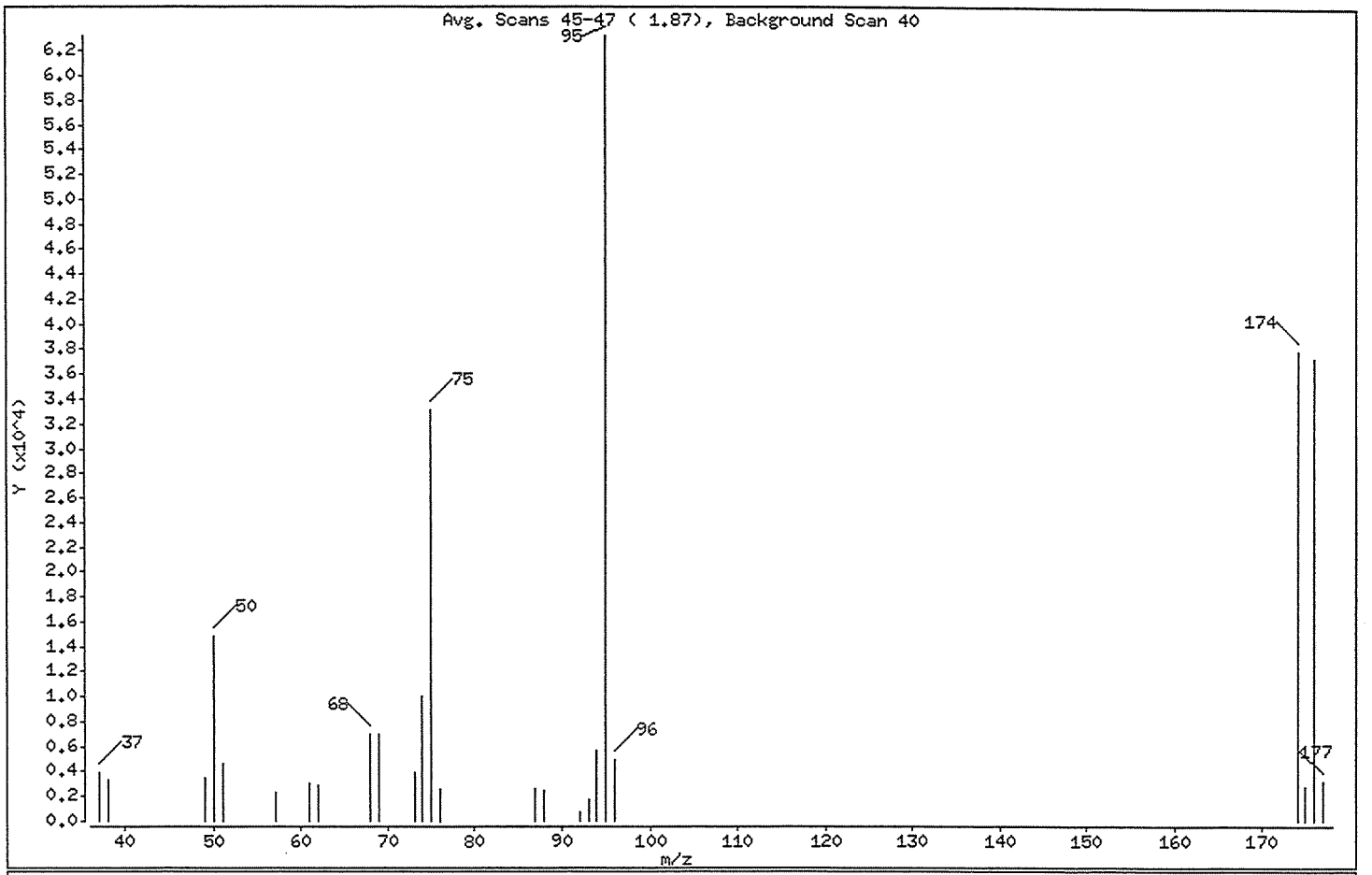
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 23.53 |
| 75 | 30.00 - 60.00% of mass 95 | 52.31 |
| 96 | 5.00 - 9.00% of mass 95 | 7.88 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 59.71 |
| 175 | 5.00 - 9.00% of mass 174 | 4.42 ( 7.40) |
| 176 | 95.00 - 101.00% of mass 174 | 58.85 ( 98.56) |
| 177 | 5.00 - 9.00% of mass 176 | 4.95 ( 8.41) |

10-22-00

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\GT1375.D
Lab Smp Id:
Inj Date : 21-OCT-2000 11:51
Operator : GFB Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : EM1896;1265-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * Vf * VI

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | ng unit correction factor |
| Vf | 1.000 | Volumetric correction factor |
| VI | 1.000 | Injection Volume |

| RT | EXP RT | (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 Bromofluorobenzene | | | | | | CAS #: 460-00-4 | | |
| 1.8745 | 1.8000 | (0.000) | 95 | 63200 | | | 0.00- 100.00 | 100.00 |
| 1.8745 | 1.8000 | (0.000) | 50 | 14868 | | | 15.00- 40.00 | 23.53 |
| 1.8745 | 1.8000 | (0.000) | 75 | 33058 | | | 30.00- 60.00 | 52.31 |
| 1.8745 | 1.8000 | (0.000) | 96 | 4980 | | | 5.00- 9.00 | 7.88 |
| 1.8745 | 1.8000 | (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 1.8745 | 1.8000 | (0.000) | 174 | 37736 | | | 50.00- 0.00 | 59.71 |
| 1.8745 | 1.8000 | (0.000) | 175 | 2793 | | | 5.00- 9.00 | 7.40 |
| 1.8745 | 1.8000 | (0.000) | 176 | 37192 | | | 95.00- 101.00 | 98.56 |
| 1.8745 | 1.8000 | (0.000) | 177 | 3129 | | | 5.00- 9.00 | 8.41 |

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\GT1375.D



Date : 21-OCT-2000 11:51

Client ID:

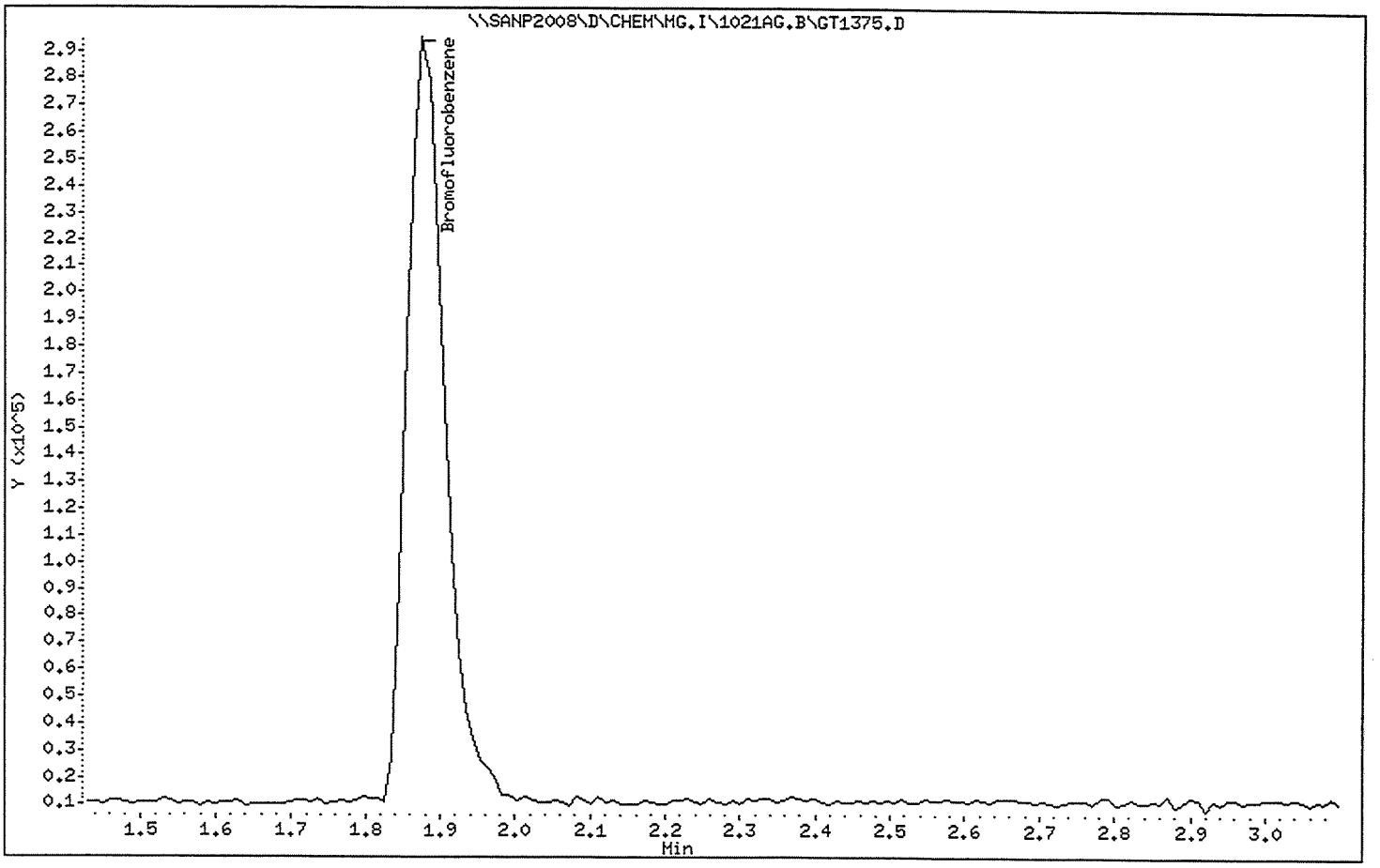
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\GT1375.D

Date : 21-OCT-2000 11:51

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1375.D
Spectrum: Avg. Scans 45-47 ( 1.87), Background Scan 40
Location of Maximum: 95.00
Number of points: 25

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 37.00 | 3984 | 62.00 | 2882 | 87.00 | 2633 | 174.00 | 37736 |
| 38.00 | 3279 | 68.00 | 6994 | 88.00 | 2479 | 175.00 | 2793 |
| 49.00 | 3541 | 69.00 | 6953 | 92.00 | 726 | 176.00 | 37192 |
| 50.00 | 14868 | 73.00 | 3869 | 93.00 | 1752 | 177.00 | 3129 |
| 51.00 | 4636 | 74.00 | 9971 | 94.00 | 5735 | | |
| 57.00 | 2297 | 75.00 | 33056 | 95.00 | 63200 | | |
| 61.00 | 3063 | 76.00 | 2545 | 96.00 | 4980 | | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2307.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m

Injection Date: 21-OCT-2000 12:10
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

| | COMPOUND | RRF | RF50 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 1 Dichlorodifluoromethane | 0.46420 | 0.29671 | 0.010 | -36.1 | 50.0 | |
| | 3 Chloromethane (**) | 0.34566 | 0.28018 | 0.100 | -18.9 | 50.0 | |
| | 2 Vinyl chloride (*) | 0.36047 | 0.30321 | 0.010 | -15.9 | 20.0 | |
| | 4 Bromomethane | 0.16537 | 0.20989 | 0.010 | 26.9 | 50.0 | |
| | 5 Chloroethane | 0.13763 | 0.17746 | 0.010 | 28.9 | 50.0 | |
| | 6 Trichlorofluoromethane | 0.55521 | 0.68331 | 0.010 | 23.1 | 50.0 | |
| | 7 Acrolein | 0.02876 | 0.03174 | 0.001 | 10.3 | 50.0 | |
| | 8 1,1-Dichloroethene(*) | 0.25243 | 0.27535 | 0.010 | 9.1 | 20.0 | |
| | 9 1,1,2-Trichlorotrifluoroeth | 0.35918 | 0.39882 | 0.010 | 11.0 | 50.0 | |
| | 10 Acetone | 0.09673 | 0.12528 | 0.010 | 29.5 | 50.0 | |
| | 11 Iodomethane | 0.53186 | 0.64218 | 0.001 | 20.7 | 50.0 | |
| | 12 Carbon disulfide | 0.99982 | 0.87370 | 0.010 | -12.6 | 50.0 | |
| | 13 Methylene chloride | 0.30813 | 0.33356 | 0.010 | 8.3 | 50.0 | |
| | 14 t-Butanol | 0.00803 | 0.01185 | 0.001 | 47.5 | 20.0 | <- |
| | 16 Acrylonitrile | 0.08506 | 0.10272 | 0.001 | 20.8 | 20.0 | <- |
| | 15 trans-1,2-Dichloroethene | 0.30349 | 0.34008 | 0.010 | 12.1 | 50.0 | |
| | 19 Vinyl acetate | 1.20899 | 1.45546 | 0.010 | 20.4 | 50.0 | |
| | 17 Methyl-tert-butyl ether[MTB | 0.83613 | 1.09011 | 0.010 | 30.4 | 50.0 | |
| | 18 1,1-Dichloroethane (**) | 0.68835 | 0.76258 | 0.100 | 10.8 | 50.0 | |
| | 20 Isopropyl ether | 1.56726 | 1.81440 | 0.010 | 15.8 | 20.0 | |
| | 22 Tert-butyl ethyl ether | 1.25390 | 1.59270 | 0.010 | 27.0 | 20.0 | <- |
| | 21 2,2-Dichloropropane | 0.56113 | 0.72023 | 0.010 | 28.4 | 50.0 | |
| | 23 cis-1,2-Dichloroethene | 0.32212 | 0.36970 | 0.010 | 14.8 | 50.0 | |
| | 24 2-Butanone | 0.19635 | 0.24738 | 0.010 | 26.0 | 50.0 | |
| | 25 Bromochloromethane | 0.18702 | 0.21923 | 0.010 | 17.2 | 50.0 | |
| | 27 Tetrahydrofuran | 0.13360 | 0.17138 | 0.010 | 28.3 | 50.0 | |
| | 26 Chloroform (*) | 0.70219 | 0.81487 | 0.010 | 16.0 | 20.0 | |
| M | 28 1,2-Dichloroethene (total) | 0.31281 | 0.35489 | 0.010 | 13.5 | 50.0 | |
| $ | 29 Dibromofluoromethane | 0.57587 | 0.65291 | 0.010 | 13.4 | 50.0 | |
| | 30 1,1,1-Trichloroethane | 0.56932 | 0.68485 | 0.010 | 20.3 | 50.0 | |
| | 31 Carbon Tetrachloride | 0.52227 | 0.62850 | 0.010 | 20.3 | 50.0 | |
| | 32 1,1-Dichloropropene | 0.53757 | 0.61195 | 0.010 | 13.8 | 50.0 | |
| $ | 33 1,2-Dichloroethane-d4 | 0.45684 | 0.52975 | 0.010 | 16.0 | 50.0 | |
| | 34 1,2-Dichloroethane-d4 2nd | 0.07197 | 0.09143 | 0.010 | 27.1 | 50.0 | |
| | 35 Benzene | 0.98881 | 0.99037 | 0.010 | 0.2 | 50.0 | |

10-22-00

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\GS2307.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 21-OCT-2000 12:10
Operator : GFB Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 12:36 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.586 | 1.586 | (0.217) | 317683 | 50.0000 | 31.96 |
| 3 Chloromethane (**) | 50 | 1.833 | 1.833 | (0.251) | 299986 | 50.0000 | 40.53 |
| 2 Vinyl chloride (*) | 62 | 1.823 | 1.823 | (0.249) | 324649 | 50.0000 | 42.06 |
| 4 Bromomethane | 94 | 2.119 | 2.119 | (0.290) | 224731 | 50.0000 | 63.46 |
| 5 Chloroethane | 64 | 2.198 | 2.198 | (0.300) | 190010 | 50.0000 | 64.47 |
| 6 Trichlorofluoromethane | 101 | 2.444 | 2.444 | (0.334) | 731617 | 50.0000 | 61.54 |
| 7 Acrolein | 56 | 2.878 | 2.878 | (0.393) | 339841 | 500.000 | 551.7(A) |
| 8 1,1-Dichloroethene(*) | 96 | 2.977 | 2.977 | (0.407) | 294817 | 50.0000 | 54.54 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.967 | 2.967 | (0.406) | 427013 | 50.0000 | 55.52 |
| 10 Acetone | 43 | 3.065 | 3.065 | (0.419) | 670713 | 250.000 | 323.8 |
| 11 Iodomethane | 142 | 3.144 | 3.144 | (0.430) | 1375161 | 100.000 | 120.7(A) |
| 12 Carbon disulfide | 76 | 3.193 | 3.193 | (0.437) | 935472 | 50.0000 | 43.69 |
| 13 Methylene chloride | 84 | 3.548 | 3.548 | (0.485) | 357138 | 50.0000 | 54.12 |
| 14 t-Butanol | 59 | 3.814 | 3.814 | (0.521) | 317168 | 1250.00 | 1844(Q) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acrylontrile | 53 | 3.903 | 3.903 | (0.534) | 1099844 | 500.000 | 603.8(A) |
| | 15 trans-1,2-Dichloroethene | 96 | 3.913 | 3.913 | (0.535) | 364124 | 50.0000 | 56.03 |
| | 19 Vinyl acetate | 43 | 4.662 | 4.662 | (0.637) | 3116734 | 100.000 | 120.4(A) |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.953 | 3.953 | (0.540) | 1167188 | 50.0000 | 65.19 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.515 | 4.515 | (0.617) | 816496 | 50.0000 | 55.39 |
| | 20 Isopropyl ether | 45 | 4.692 | 4.692 | (0.641) | 1942688 | 50.0000 | 57.88 |
| | 22 Tert-butyl ethyl ether | 59 | 5.254 | 5.254 | (0.718) | 1705309 | 50.0000 | 63.51 |
| | 21 2,2-Dichloropropane | 77 | 5.392 | 5.392 | (0.737) | 771147 | 50.0000 | 64.18 |
| | 23 cis-1,2-Dichloroethene | 96 | 5.422 | 5.422 | (0.741) | 395839 | 50.0000 | 57.38 |
| | 24 2-Butanone | 43 | 5.520 | 5.520 | (0.755) | 1324371 | 250.000 | 315.0 |
| | 25 Bromochloromethane | 128 | 5.806 | 5.806 | (0.794) | 234733 | 50.0000 | 58.61 |
| | 27 Tetrahydrofuran | 42 | 5.924 | 5.924 | (0.810) | 183501 | 50.0000 | 64.14 |
| | 26 Chloroform (*) | 83 | 5.974 | 5.974 | (0.817) | 872481 | 50.0000 | 58.02 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 759964 | 100.000 | 113.4 |
| $ | 29 Dibromofluoromethane | 111 | 6.220 | 6.220 | (0.850) | 699070 | 50.0000 | 56.69 |
| | 30 1,1,1-Trichloroethane | 97 | 6.181 | 6.181 | (0.845) | 733269 | 50.0000 | 60.15 |
| | 31 Carbon Tetrachloride | 117 | 6.467 | 6.467 | (0.884) | 672937 | 50.0000 | 60.17 |
| | 32 1,1-Dichloropropene | 75 | 6.476 | 6.476 | (0.885) | 655218 | 50.0000 | 56.92 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.763 | 6.763 | (0.925) | 567202 | 50.0000 | 57.98 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.763 | 6.763 | (0.925) | 97898 | 50.0000 | 63.52 |
| | 35 Benzene | 78 | 6.822 | 6.822 | (0.933) | 1060394 | 50.0000 | 50.08 |
| | 36 1,2-Dichloroethane | 62 | 6.891 | 6.891 | (0.942) | 640137 | 50.0000 | 58.02 |
| | 37 Tert-amyl methyl ether | 73 | 7.107 | 7.107 | (0.972) | 1240796 | 50.0000 | 57.88 |
| * | 38 Fluorobenzene | 96 | 7.315 | 7.315 | (1.000) | 1070703 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.955 | 7.955 | (1.088) | 492625 | 50.0000 | 61.42 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.350 | 8.350 | (1.142) | 591785 | 50.0000 | 59.73 |
| | 41 Dibromomethane | 93 | 8.557 | 8.557 | (1.170) | 429688 | 50.0000 | 59.38 |
| | 42 Bromodichloromethane | 83 | 8.872 | 8.872 | (1.213) | 920472 | 50.0000 | 58.41 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.493 | 9.493 | (1.298) | 169957 | 100.000 | 163.5(AQ) |
| | 43 1-Bromo-2-chloroethane | 63 | 9.415 | 9.415 | (1.287) | 1090676 | 50.0000 | 57.94(Q) |
| | 45 cis-1,3-Dichloropropene | 75 | 9.700 | 9.700 | (1.326) | 779366 | 50.0000 | 60.50 |
| | 46 4-Methyl-2-pentanone | 43 | 10.055 | 10.055 | (1.375) | 3677704 | 250.000 | 356.8 |
| $ | 47 Toluene-d8 | 98 | 10.154 | 10.154 | (0.789) | 1170295 | 50.0000 | 53.98 |
| | 48 Toluene (*) | 91 | 10.272 | 10.272 | (0.798) | 1302826 | 50.0000 | 52.68 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.755 | 10.755 | (0.836) | 684362 | 50.0000 | 57.83 |
| | 50 1,1,2-Trichloroethane | 97 | 11.081 | 11.081 | (0.861) | 444357 | 50.0000 | 53.66 |
| | 51 Tetrachloroethene | 164 | 11.278 | 11.278 | (0.877) | 417274 | 50.0000 | 55.81 |
| | 52 1,3-Dichloropropane | 76 | 11.377 | 11.377 | (0.884) | 806385 | 50.0000 | 53.87 |
| | 53 2-Hexanone | 43 | 11.633 | 11.633 | (0.904) | 2584215 | 250.000 | 316.8 |
| | 54 Dibromochloromethane | 129 | 11.781 | 11.781 | (0.916) | 643583 | 50.0000 | 48.36 |
| | 55 1,2-Dibromoethane | 107 | 11.948 | 11.948 | (0.929) | 554873 | 50.0000 | 48.06 |
| * | 56 Chlorobenzene-d5 | 117 | 12.865 | 12.865 | (1.000) | 878087 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.915 | 12.915 | (1.004) | 821874 | 50.0000 | 48.43 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.112 | 13.112 | (1.019) | 449206 | 50.0000 | 48.61 |
| | 59 Ethylbenzene (*) | 106 | 13.171 | 13.171 | (1.024) | 414562 | 50.0000 | 51.56 |
| | 60 m,p-Xylenes | 106 | 13.417 | 13.417 | (1.043) | 1008051 | 100.000 | 104.3 |
| | 61 o-Xylene | 106 | 14.167 | 14.167 | (1.101) | 501212 | 50.0000 | 55.10 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 62 Styrene | 104 | 14.206 | 14.206 | (1.104) | 831975 | 50.0000 | 53.70 |
| M | 63 Xylenes (total) | 100 | | | | 1509264 | 150.000 | 159.4 |
| | 64 Bromoform (**) | 173 | 14.522 | 14.522 | (1.129) | 514808 | 50.0000 | 53.52 |
| | 65 Isopropylbenzene | 105 | 14.926 | 14.926 | (1.160) | 1505783 | 50.0000 | 55.28 |
| $ | 67 4-Bromofluorobenzene | 95 | 15.192 | 15.192 | (0.868) | 857244 | 50.0000 | 51.44 |
| | 66 4-Bromofluorobenzene-2nd | 174 | 15.192 | 15.192 | (0.868) | 485934 | 50.0000 | 51.28 |
| | 68 Bromobenzene | 156 | 15.439 | 15.439 | (0.882) | 438399 | 50.0000 | 48.26 |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.577 | 15.577 | (0.890) | 706022 | 50.0000 | 45.96 |
| | 70 1,2,3-Trichloropropane | 110 | 15.606 | 15.606 | (0.891) | 186073 | 50.0000 | 52.10 |
| | 71 n-Propylbenzene | 91 | 15.744 | 15.744 | (0.899) | 1764849 | 50.0000 | 45.18 |
| | 72 2-Chlorotoluene | 126 | 15.853 | 15.853 | (0.905) | 351945 | 50.0000 | 51.43(Q) |
| | 73 4-Chlorotoluene | 126 | 16.089 | 16.089 | (0.919) | 343204 | 50.0000 | 51.79 |
| | 74 1,3,5-Trimethylbenzene | 105 | 16.129 | 16.129 | (0.921) | 1274966 | 50.0000 | 51.25 |
| | 75 tert-Butylbenzene | 119 | 16.760 | 16.760 | (0.957) | 1260151 | 50.0000 | 50.96 |
| | 76 1,2,4-Trimethylbenzene | 105 | 16.868 | 16.868 | (0.963) | 1280025 | 50.0000 | 51.37 |
| | 77 sec-Butylbenzene | 105 | 17.213 | 17.213 | (0.983) | 1737604 | 50.0000 | 51.78 |
| | 78 1,3-Dichlorobenzene | 146 | 17.361 | 17.361 | (0.992) | 736767 | 50.0000 | 50.18 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 17.509 | 17.509 | (1.000) | 508685 | 50.0000 | |
| | 80 1,4-Dichlorobenzene | 146 | 17.558 | 17.558 | (1.003) | 781387 | 50.0000 | 51.93 |
| | 81 p-Isopropyltoluene | 119 | 17.539 | 17.539 | (1.002) | 1376503 | 50.0000 | 53.84 |
| | 82 1,2-Dichlorobenzene | 146 | 18.278 | 18.278 | (1.044) | 707646 | 50.0000 | 50.75 |
| | 83 n-Butylbenzene | 91 | 18.377 | 18.377 | (1.050) | 1452666 | 50.0000 | 55.06 |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 19.905 | 19.905 | (1.137) | 197695 | 50.0000 | 56.63 |
| | 85 1,2,4-Trichlorobenzene | 180 | 21.601 | 21.601 | (1.234) | 579208 | 50.0000 | 57.60 |
| | 86 Hexachlorobutadiene | 225 | 22.015 | 22.015 | (1.257) | 448860 | 50.0000 | 57.26 |
| | 87 Napthalene | 128 | 22.074 | 22.074 | (1.261) | 1114761 | 50.0000 | 58.55 |
| | 88 1,2,3-Trichlorobenzene | 180 | 22.587 | 22.587 | (1.290) | 542385 | 50.0000 | 54.63 |

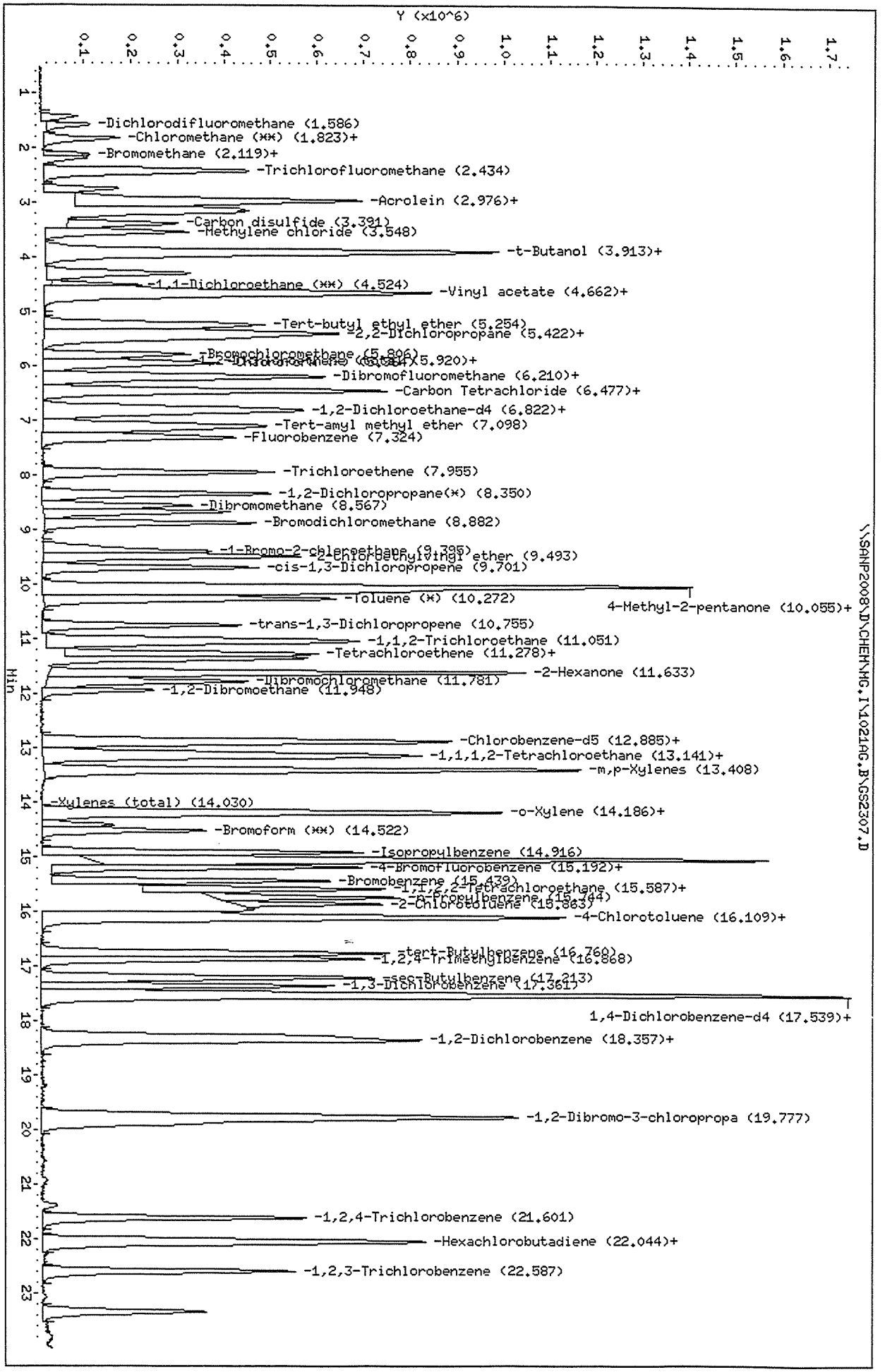
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\GS2307.D
Date : 21-OCT-2000 12:10
Client ID:
Sample Info: 50 PPB 8260B,,,3,0,,,8260BGS.M

Column phase: J&W DB-624

Instrument: mg.i
Operator: GFB
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09150.D
Lab Smp Id: LCS-1021AG  Client Smp ID: G09150
Inj Date : 21-OCT-2000 12:55
Operator : GFB  Inst ID: mg.i
Smp Info : LCS-1021AG,LCS,2,,0,1,0,8260BGS.M,G09150
Misc Info : 1252-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 12:36 beckmang  Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29  Cal File: GS2297.D
Als bottle: 2  QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 2.980 | 2.977 | (0.407) | 321030 | 47.6180 | 47.62 |
| $ 29 Dibromofluoromethane | 111 | 6.214 | 6.220 | (0.849) | 751684 | 48.8729 | 48.87 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.766 | 6.763 | (0.925) | 603117 | 49.4308 | 49.43 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.747 | 6.763 | (0.922) | 104250 | 54.2382 | 54.24 |
| 35 Benzene | 78 | 6.816 | 6.822 | (0.931) | 1078276 | 40.8293 | 40.83 |
| * 38 Fluorobenzene | 96 | 7.319 | 7.315 | (1.000) | 1335406 | 50.0000 | |
| 39 Trichloroethene | 130 | 7.959 | 7.955 | (1.088) | 483900 | 48.3776 | 48.38 |
| $ 47 Toluene-d8 | 98 | 10.158 | 10.154 | (0.790) | 1245644 | 54.8049 | 54.80 |
| 48 Toluene (*) | 91 | 10.286 | 10.272 | (0.800) | 1261507 | 48.6559 | 48.66 |
| * 56 Chlorobenzene-d5 | 117 | 12.859 | 12.865 | (1.000) | 920624 | 50.0000 | |
| 57 Chlorobenzene (**) | 112 | 12.919 | 12.915 | (1.005) | 797958 | 44.8449 | 44.84 |
| $ 67 4-Bromofluorobenzene | 95 | 15.196 | 15.192 | (0.868) | 957072 | 52.5503 | 52.55 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.186 | 15.192 | (0.867) | 531579 | 51.3294 | 51.33 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.513 | 17.509 | (1.000) | 555910 | 50.0000 | |

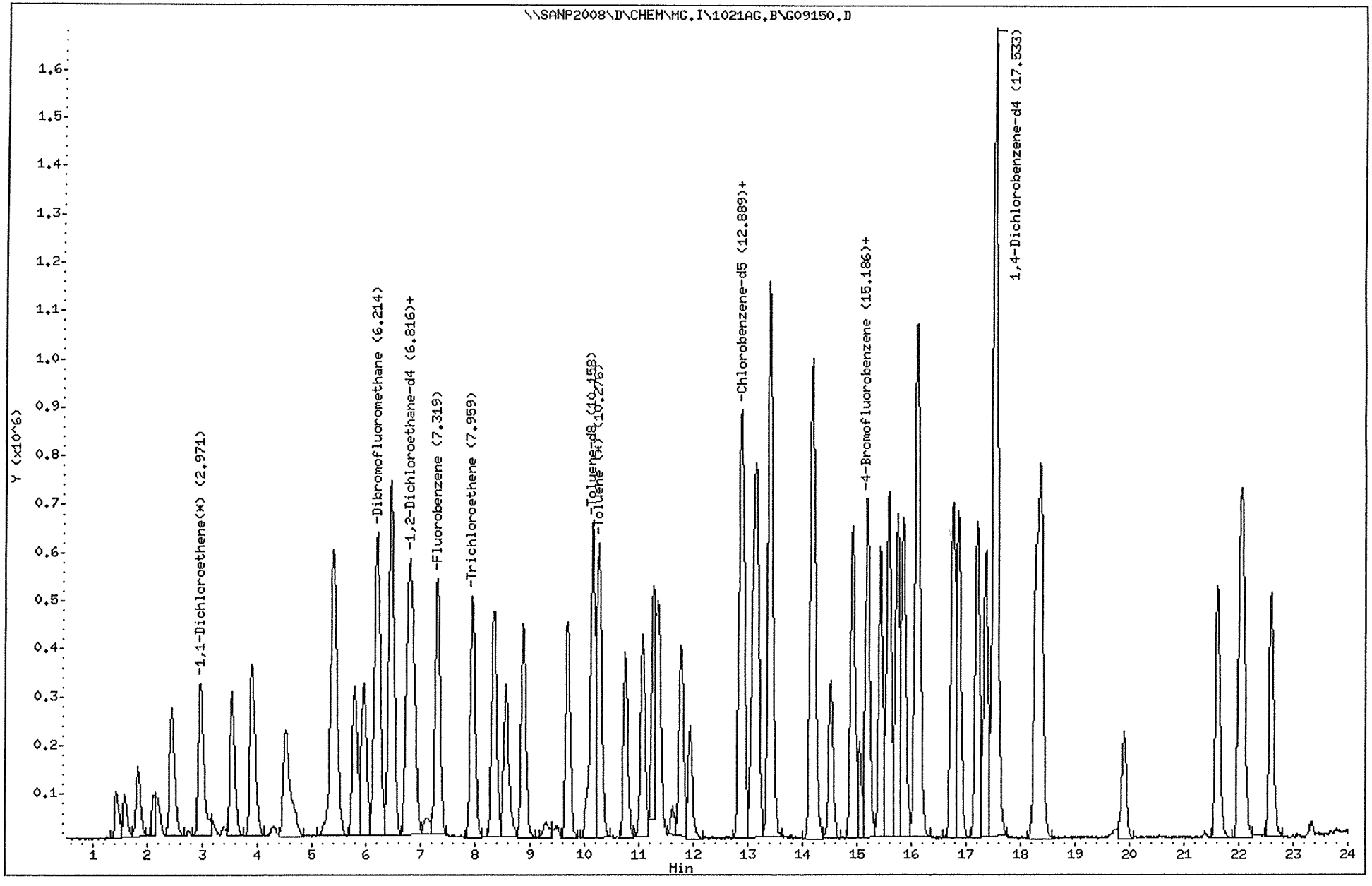
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09150.D
Date : 21-OCT-2000 12:55
Client ID: G09150
Sample Info: LCS-1021AG,LCS,2,,0,1,0,8260BGS.M,G09150

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53






000431

BOE-C6-0167552

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2307.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m

Injection Date: 21-OCT-2000 12:10
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

| | COMPOUND | RRF | RF50 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 36 1,2-Dichloroethane | 0.51519 | 0.59787 | 0.010 | 16.0 | 50.0 | |
| | 37 Tert-amyl methyl ether | 1.00114 | 1.15886 | 0.010 | 15.8 | 20.0 | |
| | 39 Trichloroethene | 0.37451 | 0.46010 | 0.010 | 22.9 | 50.0 | |
| | 40 1,2-Dichloropropane(*) | 0.46264 | 0.55271 | 0.010 | 19.5 | 20.0 | |
| | 41 Dibromomethane | 0.33793 | 0.40131 | 0.010 | 18.8 | 50.0 | |
| | 42 Bromodichloromethane | 0.73591 | 0.85969 | 0.010 | 16.8 | 50.0 | |
| | 44 2-Chloroethylvinyl ether | 0.04854 | 0.07937 | 0.010 | 63.5 | 20.0 | <- |
| | 43 1-Bromo-2-chloroethane | 0.87901 | 1.01865 | 0.010 | 15.9 | 50.0 | |
| | 45 cis-1,3-Dichloropropene | 0.60154 | 0.72790 | 0.010 | 21.0 | 50.0 | |
| | 46 4-Methyl-2-pentanone | 0.48136 | 0.68697 | 0.010 | 42.7 | 50.0 | |
| $ | 47 Toluene-d8 | 1.23442 | 1.33278 | 0.010 | 8.0 | 50.0 | |
| | 48 Toluene (*) | 1.40813 | 1.48371 | 0.010 | 5.4 | 20.0 | |
| | 49 trans-1,3-Dichloropropene | 0.67386 | 0.77938 | 0.010 | 15.7 | 50.0 | |
| | 50 1,1,2-Trichloroethane | 0.47150 | 0.50605 | 0.010 | 7.3 | 50.0 | |
| | 51 Tetrachloroethene | 0.42572 | 0.47521 | 0.010 | 11.6 | 50.0 | |
| | 52 1,3-Dichloropropane | 0.85229 | 0.91834 | 0.010 | 7.7 | 50.0 | |
| | 53 2-Hexanone | 0.46450 | 0.58860 | 0.010 | 26.7 | 50.0 | |
| | 54 Dibromochloromethane | 0.75785 | 0.73294 | 0.010 | -3.3 | 50.0 | |
| | 55 1,2-Dibromoethane | 0.65749 | 0.63191 | 0.010 | -3.9 | 50.0 | |
| | 57 Chlorobenzene (**) | 0.96640 | 0.93598 | 0.300 | -3.1 | 50.0 | |
| | 58 1,1,1,2-Tetrachloroethane | 0.52618 | 0.51157 | 0.010 | -2.8 | 50.0 | |
| | 59 Ethylbenzene (*) | 0.45785 | 0.47212 | 0.010 | 3.1 | 20.0 | |
| | 60 m,p-Xylenes | 0.55027 | 0.57400 | 0.010 | 4.3 | 50.0 | |
| | 61 o-Xylene | 0.51797 | 0.57080 | 0.010 | 10.2 | 50.0 | |
| | 62 Styrene | 0.88219 | 0.94749 | 0.010 | 7.4 | 50.0 | |
| M | 63 Xylenes (total) | 0.53950 | 0.57294 | 0.010 | 6.2 | 50.0 | |
| | 64 Bromoform (**) | 0.54767 | 0.58628 | 0.100 | 7.1 | 50.0 | |
| | 65 Isopropylbenzene | 1.55119 | 1.71485 | 0.010 | 10.6 | 50.0 | |
| $ | 67 4-Bromofluorobenzene | 1.63808 | 1.68521 | 0.010 | 2.9 | 50.0 | |
| | 66 4-Bromofluorobenzene-2nd | 0.93147 | 0.95527 | 0.010 | 2.6 | 50.0 | |
| | 68 Bromobenzene | 0.89290 | 0.86183 | 0.010 | -3.5 | 50.0 | |
| | 69 1,1,2,2-Tetrachloroethane(* | 1.50992 | 1.38793 | 0.300 | -8.1 | 50.0 | |
| | 70 1,2,3-Trichloropropane | 0.35105 | 0.36579 | 0.010 | 4.2 | 50.0 | |
| | 71 n-Propylbenzene | 3.83988 | 3.46943 | 0.010 | -9.6 | 50.0 | |
| | 72 2-Chlorotoluene | 0.67258 | 0.69187 | 0.010 | 2.9 | 50.0 | |
| | 73 4-Chlorotoluene | 0.65137 | 0.67469 | 0.010 | 3.6 | 50.0 | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2307.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m

Injection Date: 21-OCT-2000 12:10
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

| COMPOUND | RRF | RF50 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|
| 74 1,3,5-Trimethylbenzene | 2.44521 | 2.50639 | 0.010 | 2.5 | 50.0 |
| 75 tert-Butylbenzene | 2.43048 | 2.47727 | 0.010 | 1.9 | 50.0 |
| 76 1,2,4-Trimethylbenzene | 2.44929 | 2.51634 | 0.010 | 2.7 | 50.0 |
| 77 sec-Butylbenzene | 3.29814 | 3.41587 | 0.010 | 3.6 | 50.0 |
| 78 1,3-Dichlorobenzene | 1.44325 | 1.44837 | 0.010 | 0.4 | 50.0 |
| 80 1,4-Dichlorobenzene | 1.47887 | 1.53609 | 0.010 | 3.9 | 50.0 |
| 81 p-Isopropyltoluene | 2.51305 | 2.70600 | 0.010 | 7.7 | 50.0 |
| 82 1,2-Dichlorobenzene | 1.37067 | 1.39113 | 0.010 | 1.5 | 50.0 |
| 83 n-Butylbenzene | 2.59306 | 2.85572 | 0.010 | 10.1 | 50.0 |
| 84 1,2-Dibromo-3-chloropropane | 0.34315 | 0.38864 | 0.010 | 13.3 | 50.0 |
| 85 1,2,4-Trichlorobenzene | 0.98845 | 1.13864 | 0.010 | 15.2 | 50.0 |
| 86 Hexachlorobutadiene | 0.77052 | 0.88239 | 0.010 | 14.5 | 50.0 |
| 87 Napthalene | 1.87151 | 2.19145 | 0.010 | 17.1 | 50.0 |
| 88 1,2,3-Trichlorobenzene | 0.97584 | 1.06625 | 0.010 | 9.3 | 50.0 |

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2008\D\CHEM\MG.I\1021AG.B/GS2307.D
Inj. Date : 21-OCT-2000 12:10

ICAL Mid Point : //SANP2008/D/chem/mg.i/1018BG.B/GS2295.D
Inj. Date : 18-OCT-2000 23:19

| IS NAME | ICAL RT | CCV RT | DIFF. | ICAL AREA | CCV AREA | %DIFF. |
|---|---|---|---|---|---|---|
| Fluorobenzene | 7.08 | 7.31 | -0.23 | 1248208 | 1070703 | 85.8% |
| Chlorobenzene-d5 | 12.59 | 12.87 | -0.27 | 901954 | 878087 | 97.4% |
| 1,4-Dichlorobenzene-d4 | 17.24 | 17.51 | -0.27 | 473592 | 508685 | 107.4% |

8260B Area difference criteria: 50%-200%

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2307.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: GFB
Method File: \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Misc Info: 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB

Calibration Date: 21-OCT-2000
Calibration Time: 11:11

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 701730 | 350865 | 1403460 | 1070703 | 52.58 |
| 56 Chlorobenzene-d5 | 665941 | 332971 | 1331882 | 878087 | 31.86 |
| 79 1,4-Dichlorobenze | 389874 | 194937 | 779748 | 508685 | 30.47 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.32 | 6.82 | 7.82 | 7.31 | -0.07 |
| 56 Chlorobenzene-d5 | 12.87 | 12.37 | 13.37 | 12.87 | -0.04 |
| 79 1,4-Dichlorobenze | 17.51 | 17.01 | 18.01 | 17.51 | -0.03 |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09151.D
Lab Smp Id: MB-1021AG  Client Smp ID: G09151
Inj Date : 21-OCT-2000 13:30
Operator : GFB  Inst ID: mg.i
Smp Info : MB-1021AG,BLANK,2,,0,1,0,8260BGS.M,G09151
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang  Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29  Cal File: GS2297.D
Als bottle: 3  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.236 | 6.220 | (0.848) | 637048 | 47.6646 | 47.66 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.778 | 6.763 | (0.922) | 569918 | 53.7526 | 53.75 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.768 | 6.763 | (0.921) | 97518 | 58.3853 | 58.38 | |
| * 38 Fluorobenzene | 96 | 7.350 | 7.315 | (1.000) | 1160440 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.179 | 10.154 | (0.791) | 1147455 | 49.3464 | 49.35 | |
| * 56 Chlorobenzene-d5 | 117 | 12.871 | 12.865 | (1.000) | 941862 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.208 | 15.192 | (0.868) | 947232 | 50.9663 | 50.97 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.198 | 15.192 | (0.868) | 523280 | 49.5141 | 49.51 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.515 | 17.509 | (1.000) | 567295 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09151.D
Lab Smp Id: MB-1021AG  Client Smp ID: G09151
Inj Date : 21-OCT-2000 13:30
Operator : GFB  Inst ID: mg.i
Smp Info : MB-1021AG,BLANK,2,,0,1,0,8260BGS.M,G09151
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang  Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29  Cal File: GS2297.D
Als bottle: 3  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.350 | 2862121 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.444 | 644260 | 11.2549408 | 11.25 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1021AG
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09151
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 1.444 | 11.25 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09151.D

Date : 21-OCT-2000 13:30

Client ID: G09151

Sample Info: MB-1021AG,BLANK,2,,0,1,0,8260BGS.M,G09151

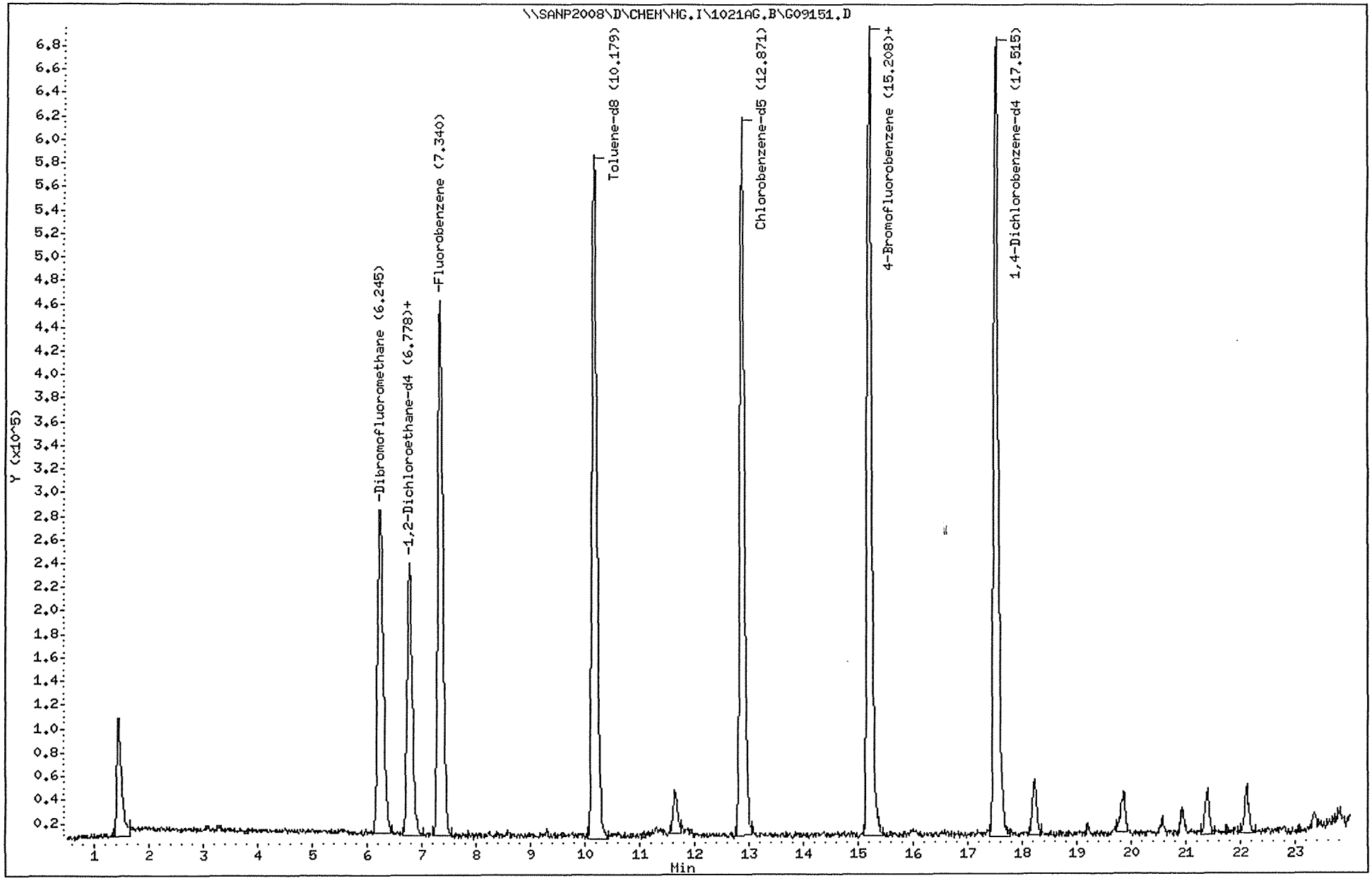
Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB

Column diameter: 0.53






000439

BOE-C6-0167560

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09151.D

Date : 21-OCT-2000 13:30

Client ID: G09151

Instrument: mg.i

Sample Info: MB-1021AG,BLANK,2,,0,1,0,8260BGS.M,G09151

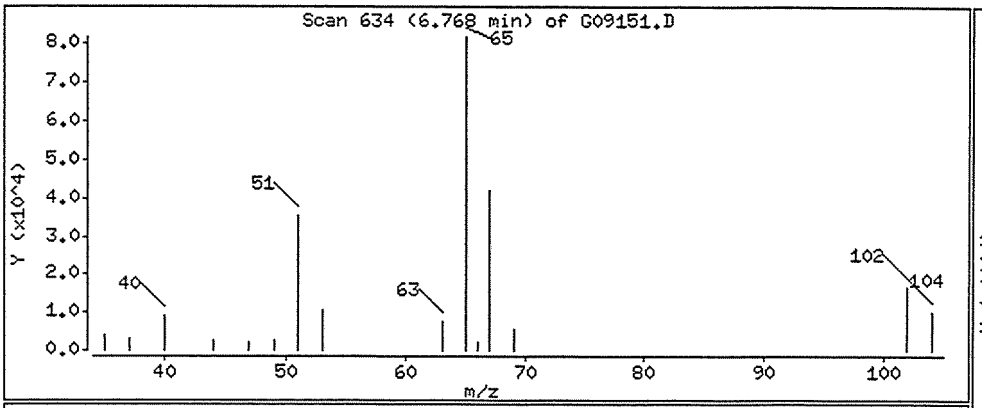
Operator: GFB

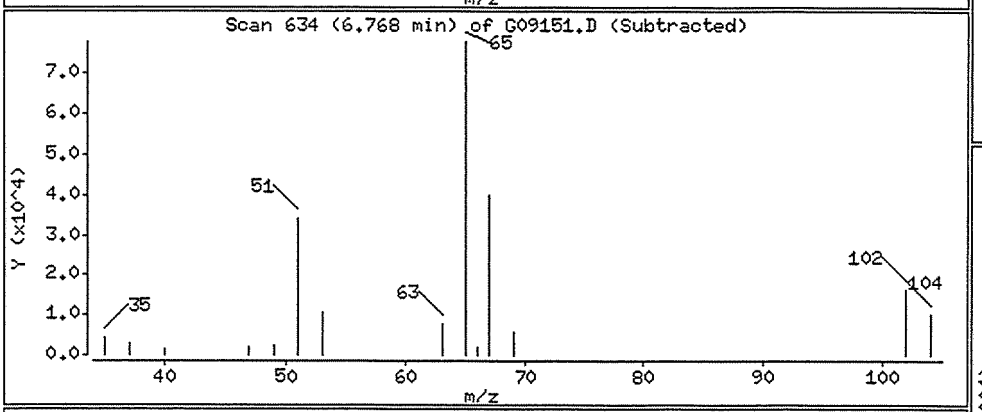
Column phase: J&W DB-624

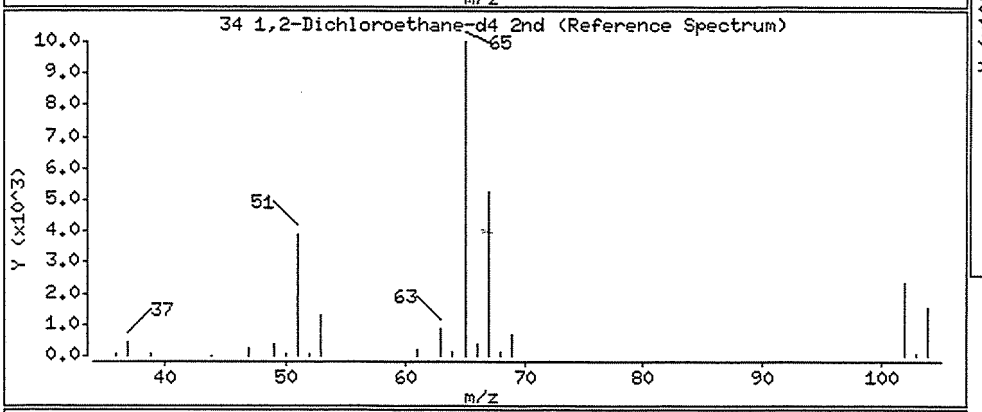
Column diameter: 0.53

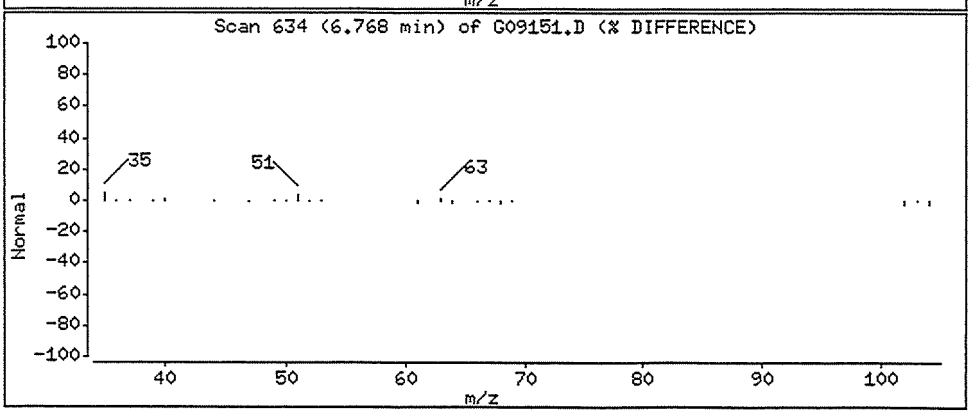
34 1,2-Dichloroethane-d4 2nd

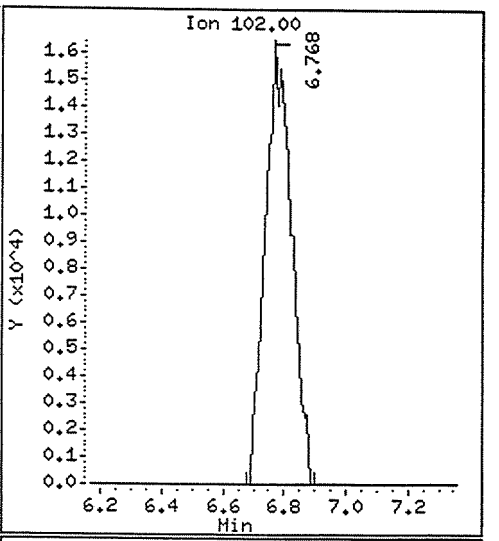
Concentration: 58.38 ug/Kg

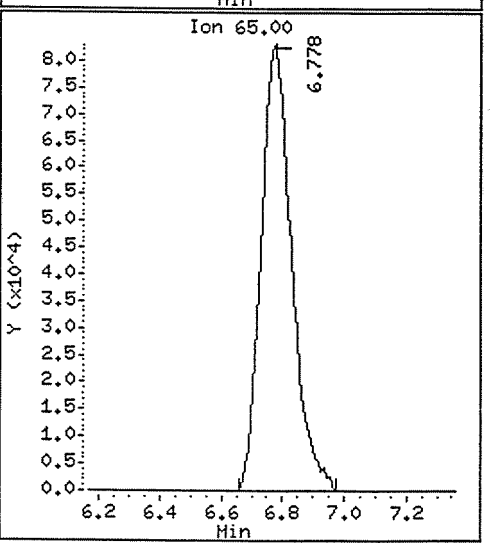


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09151.D

Date : 21-OCT-2000 13:30

Client ID: G09151

Instrument: mg.i

Sample Info: MB-1021AG,BLANK,2,,0,1,0,8260BGS.M,G09151

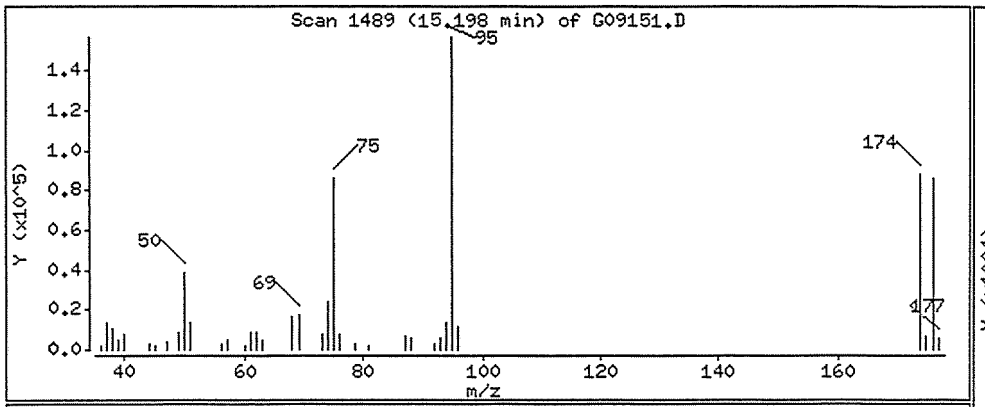
Operator: GFB

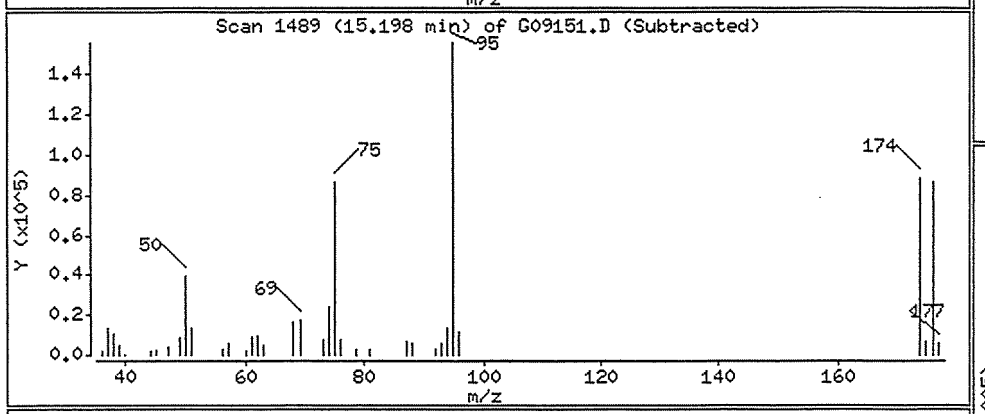
Column phase: J&W DB-624

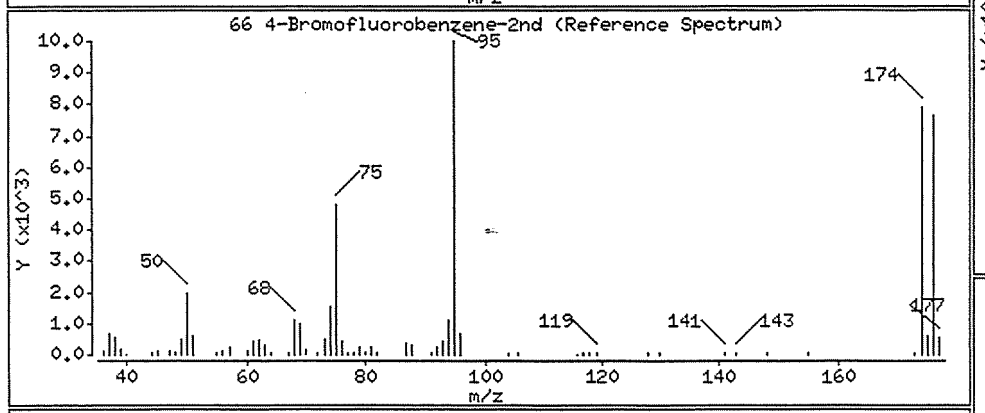
Column diameter: 0.53

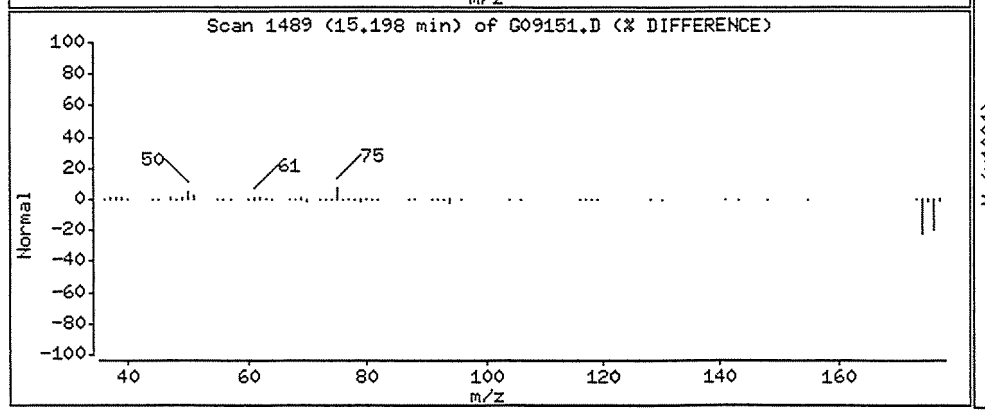
66 4-Bromofluorobenzene-2nd

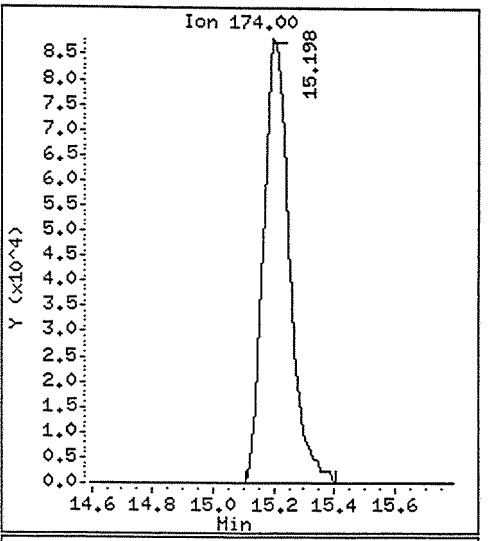
Concentration: 49.51 ug/Kg

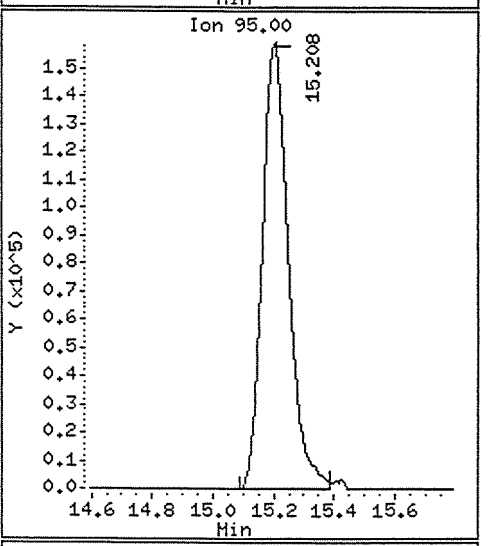


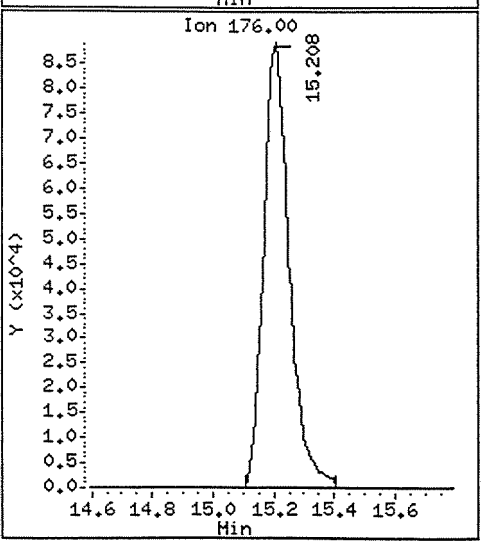



Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09151.D

Date : 21-OCT-2000 13:30

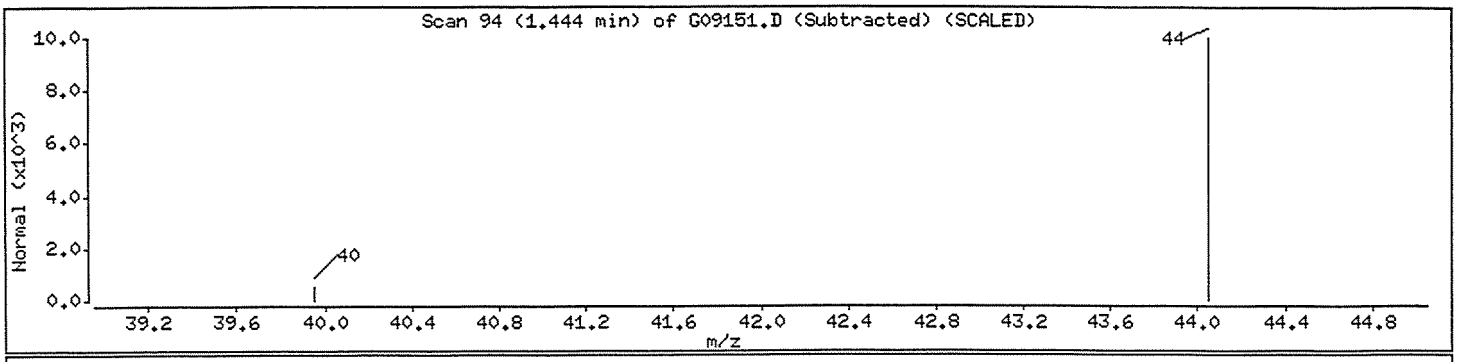
Client ID: G09151 Instrument: mg.i

Sample Info: MB-1021AG,BLANK,2,,0,1,0,8260BGS.M,G09151

Operator: GFB

Column phase: J&W DB-624 Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| UNKNOWN | | | | | | |



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09157.D
Lab Smp Id: DLW5C102 Client Smp ID: G09157
Inj Date : 21-OCT-2000 17:01
Operator : GFB Inst ID: mg.i
Smp Info : DLW5C102,MS,2,,0,1,0,8260BGS.M,G09157
Misc Info : 272-1S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 3.040 | 2.977 | (0.411) | 352197 | 68.5156 | 68.52 |
| $ 29 Dibromofluoromethane | 111 | 6.294 | 6.220 | (0.852) | 603081 | 51.4266 | 51.43 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.826 | 6.763 | (0.924) | 456580 | 49.0787 | 49.08 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.806 | 6.763 | (0.921) | 78419 | 53.5099 | 53.51 |
| 35 Benzene | 78 | 6.895 | 6.822 | (0.933) | 1104652 | 54.8589 | 54.86 |
| * 38 Fluorobenzene | 96 | 7.388 | 7.315 | (1.000) | 1018201 | 50.0000 | |
| 39 Trichloroethene | 130 | 8.019 | 7.955 | (1.085) | 428645 | 56.2040 | 56.20 |
| $ 47 Toluene-d8 | 98 | 10.198 | 10.154 | (0.792) | 1049470 | 55.2282 | 55.23 |
| 48 Toluene (*) | 91 | 10.316 | 10.272 | (0.801) | 1167545 | 53.8623 | 53.86 |
| * 56 Chlorobenzene-d5 | 117 | 12.880 | 12.865 | (1.000) | 769691 | 50.0000 | |
| 57 Chlorobenzene (**) | 112 | 12.929 | 12.915 | (1.004) | 771489 | 51.8595 | 51.86 |
| $ 67 4-Bromofluorobenzene | 95 | 15.197 | 15.192 | (0.868) | 762285 | 57.5249 | 57.52 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.207 | 15.192 | (0.868) | 421937 | 55.9956 | 56.00 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.514 | 17.509 | (1.000) | 404480 | 50.0000 | |

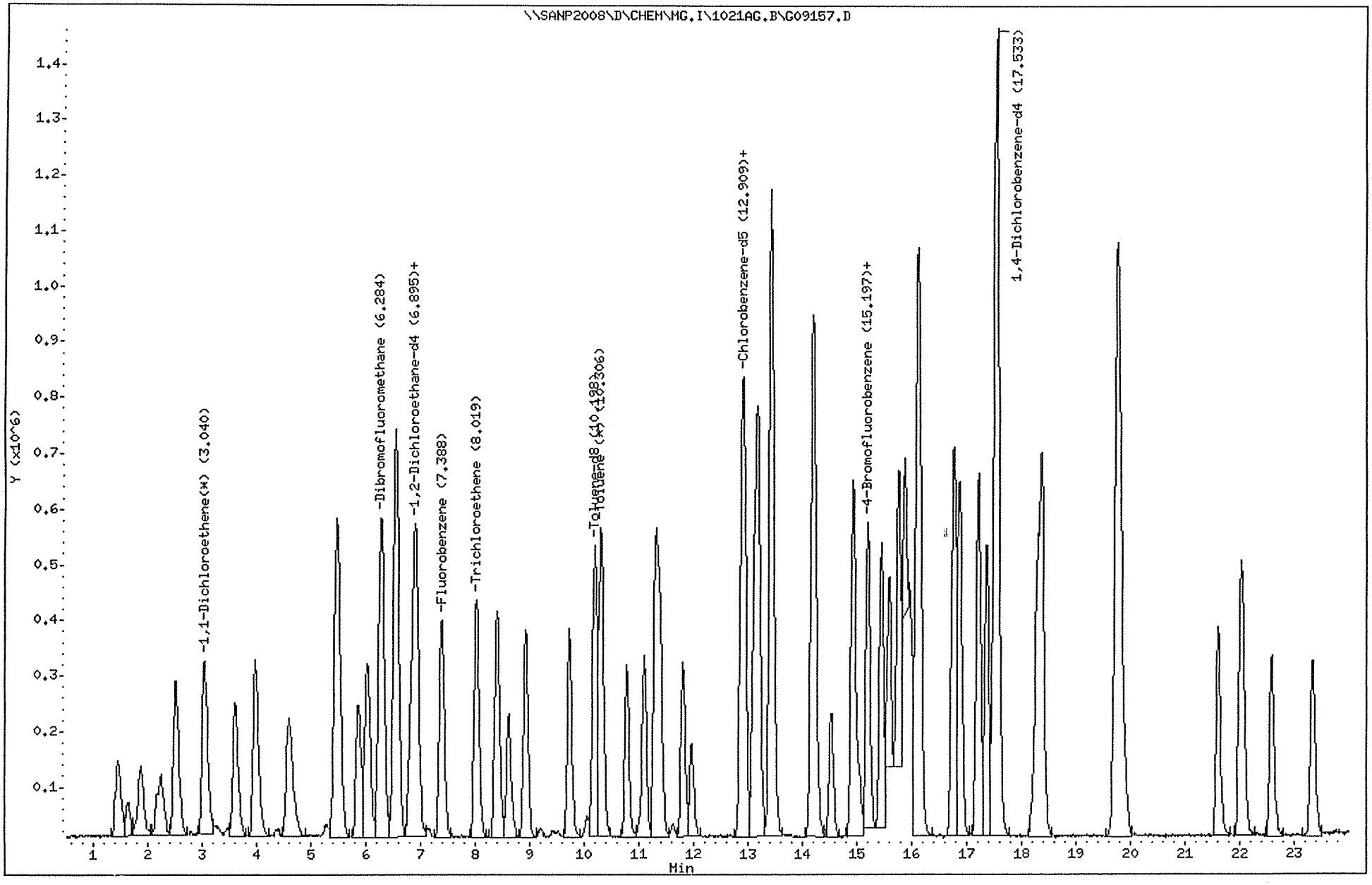
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09157.D
Date : 21-OCT-2000 17:01
Client ID: G09157
Sample Info: DLW5C102,MS,2,,0,1,0,8260BGS.M,G09157

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53



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BOE-C6-0167565

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09158.D
Lab Smp Id: DLW5C103 Client Smp ID: G09158
Inj Date : 21-OCT-2000 17:36
Operator : GFB Inst ID: mg.i
Smp Info : DLW5C103,MSD,2,,0,1,0,8260BGS.M,G09158
Misc Info : 272-1D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 2.966 | 2.977 | (0.404) | 353432 | 55.2935 | 55.29 |
| $ 29 Dibromofluoromethane | 111 | 6.240 | 6.220 | (0.851) | 691605 | 47.4279 | 47.43 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.772 | 6.763 | (0.923) | 613289 | 53.0158 | 53.02 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.782 | 6.763 | (0.925) | 107375 | 58.9219 | 58.92 |
| 35 Benzene | 78 | 6.841 | 6.822 | (0.933) | 1263692 | 50.4692 | 50.47 |
| * 38 Fluorobenzene | 96 | 7.334 | 7.315 | (1.000) | 1266106 | 50.0000 | |
| 39 Trichloroethene | 130 | 7.975 | 7.955 | (1.087) | 479919 | 50.6058 | 50.60 |
| $ 47 Toluene-d8 | 98 | 10.174 | 10.154 | (0.791) | 1189545 | 48.7425 | 48.74 |
| 48 Toluene (*) | 91 | 10.282 | 10.272 | (0.800) | 1315962 | 47.2706 | 47.27 |
| * 56 Chlorobenzene-d5 | 117 | 12.855 | 12.865 | (1.000) | 988509 | 50.0000 | |
| 57 Chlorobenzene (**) | 112 | 12.914 | 12.915 | (1.005) | 914092 | 47.8437 | 47.84 |
| $ 67 4-Bromofluorobenzene | 95 | 15.182 | 15.192 | (0.868) | 973775 | 50.8737 | 50.87 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.192 | 15.192 | (0.868) | 533687 | 49.0331 | 49.03 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.499 | 17.509 | (1.000) | 584252 | 50.0000 | |

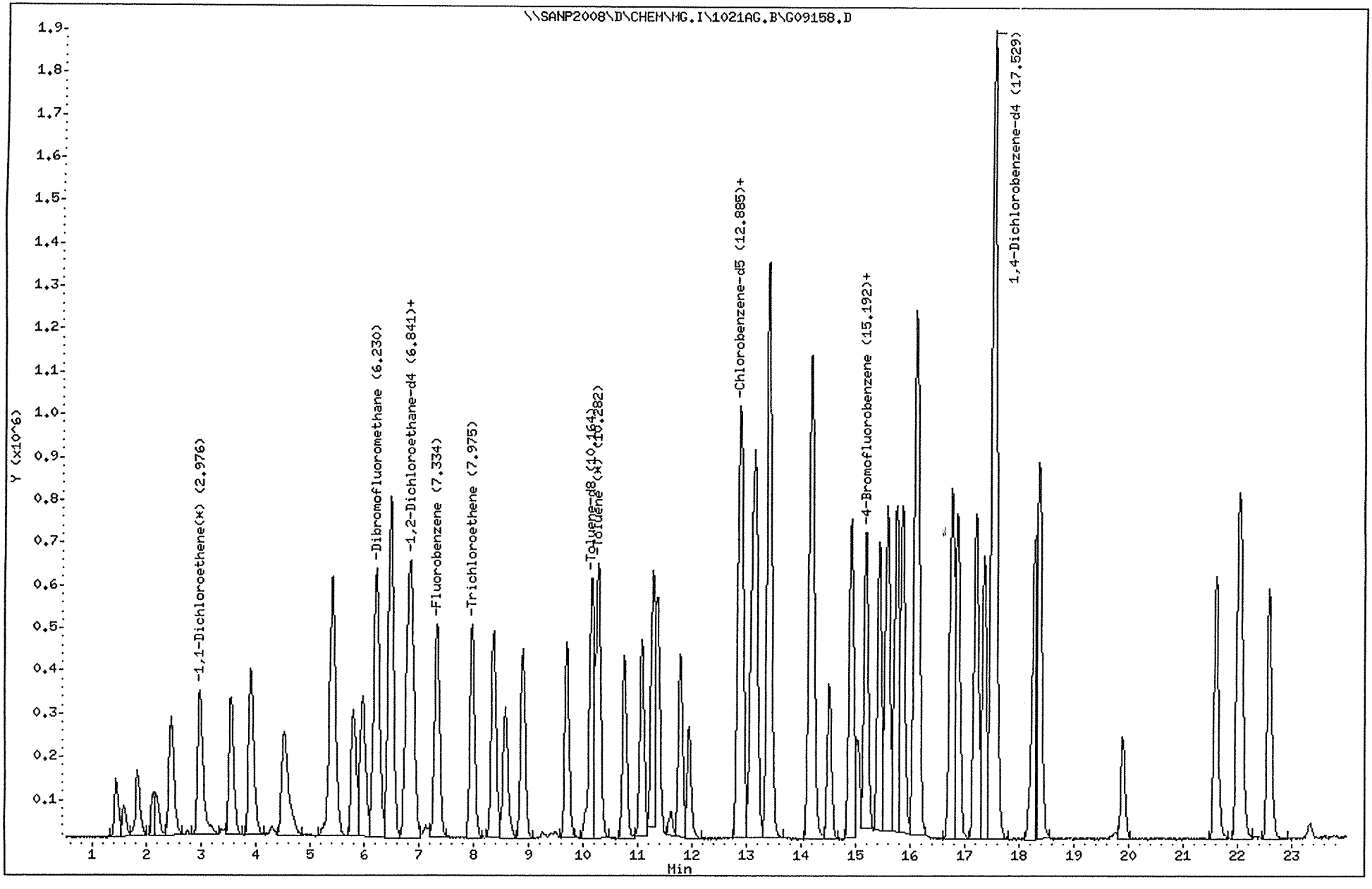
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09158.D
Date : 21-OCT-2000 17:36
Client ID: G09158
Sample Info: DLW5C103,MSD,2,,0,1,0,8260BGS.M,G09158

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53






000446

BOE-C6-0167567

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D
Lab Smp Id: DLW5C101 Client Smp ID: G09152
Inj Date : 21-OCT-2000 14:06
Operator : GFB Inst ID: mg.i
Smp Info : DLW5C101,,2,,0,1,0,8260BGS.M,G09152
Misc Info : E0J100272-1,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.059 | 3.065 | (0.417) | 19527 | 8.68540 | 8.68 | |
| $ 29 Dibromofluoromethane | 111 | 6.233 | 6.220 | (0.850) | 612062 | 45.7260 | 45.72 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.766 | 6.763 | (0.922) | 533541 | 50.2457 | 50.24 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.776 | 6.763 | (0.923) | 89732 | 53.6427 | 53.64 | |
| * 38 Fluorobenzene | 96 | 7.338 | 7.315 | (1.000) | 1162195 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.167 | 10.154 | (0.791) | 1154694 | 49.6357 | 49.64 | |
| * 56 Chlorobenzene-d5 | 117 | 12.859 | 12.865 | (1.000) | 942281 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.205 | 15.192 | (0.868) | 952196 | 52.2340 | 52.23 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.186 | 15.192 | (0.867) | 529204 | 51.0526 | 51.05 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.512 | 17.509 | (1.000) | 556428 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D
Lab Smp Id: DLW5C101 Client Smp ID: G09152
Inj Date : 21-OCT-2000 14:06
Operator : GFB Inst ID: mg.i
Smp Info : DLW5C101,,2,,0,1,0,8260BGS.M,G09152
Misc Info : E0J100272-1,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.338 | 2896381 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.442 | 840449 | 14.5085998 | 14.51 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW5C101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09152
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown | 1.442 | 14.51 | J |

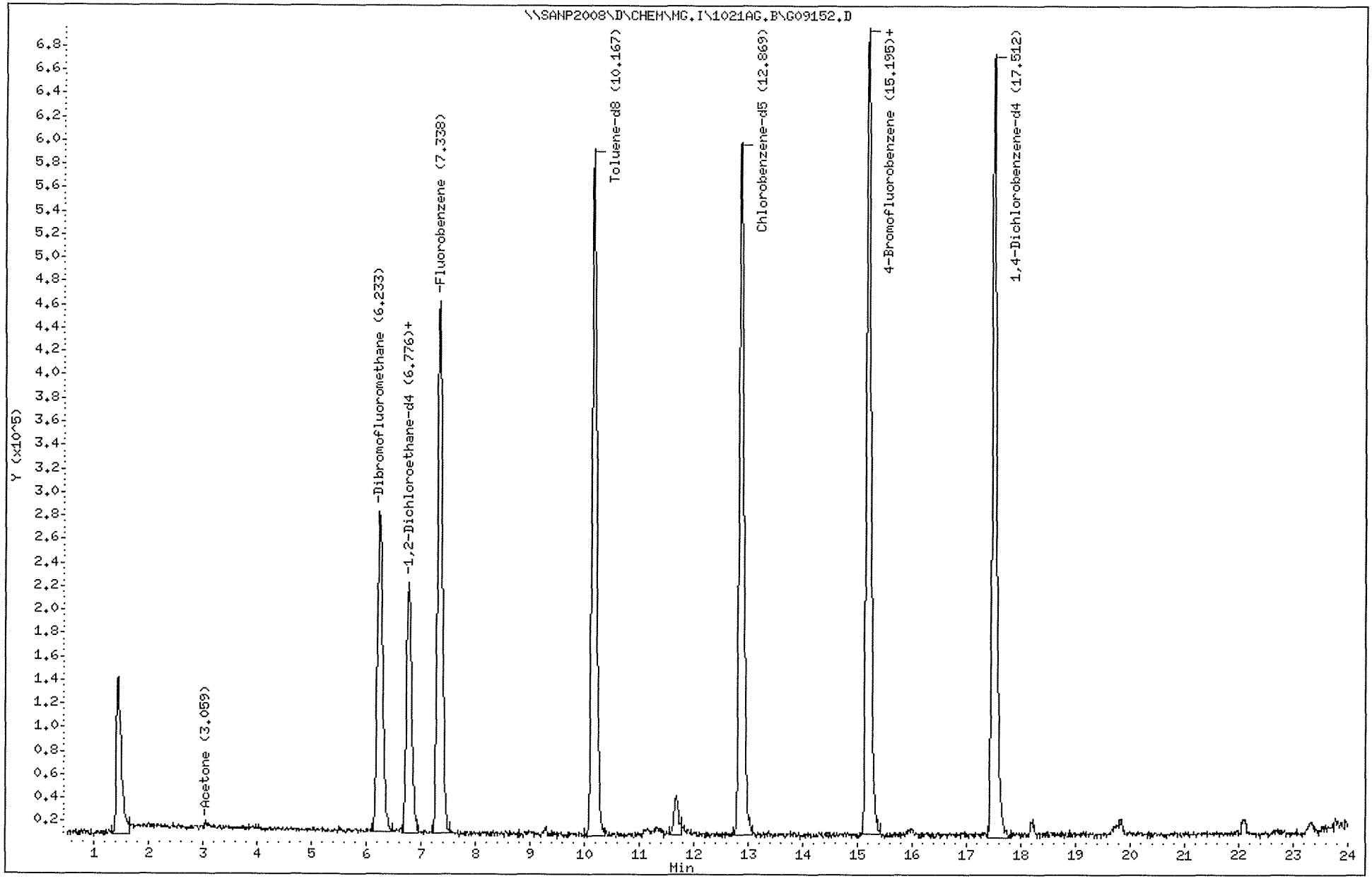
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D
Date : 21-OCT-2000 14:06
Client ID: G09152
Sample Info: DLW5C101,,2,,0,1,0,8260BGS.M,G09152

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53






000451

BOE-C6-0167572

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D

Date : 21-OCT-2000 14:06

Client ID: G09152

Instrument: mg.i

Sample Info: DLW5C101,,2,,0,1,0,8260BGS.M,G09152

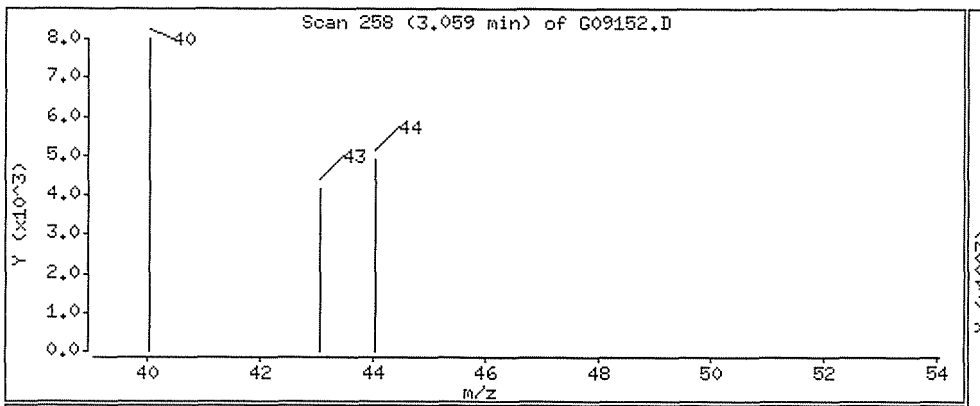
Operator: GFB

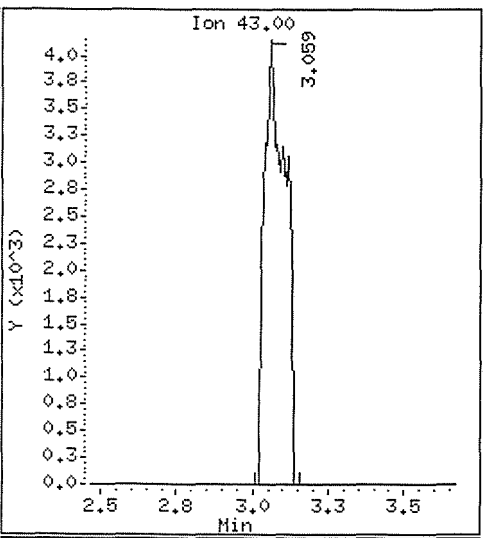
Column phase: J&W DB-624

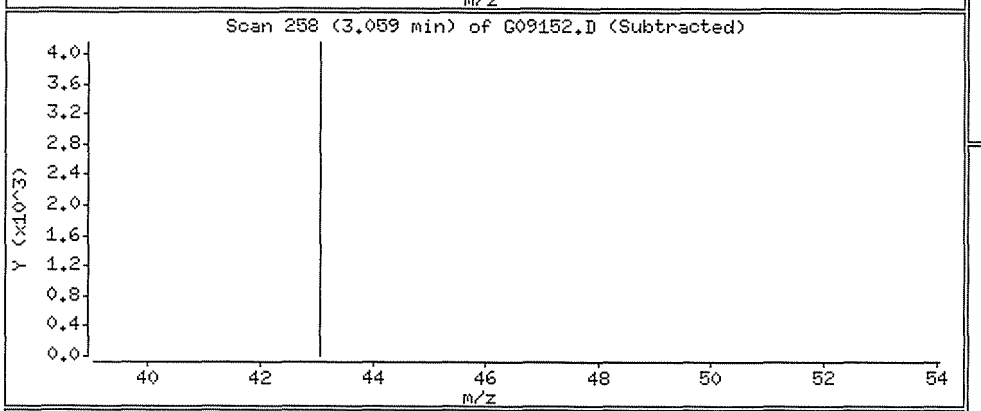
Column diameter: 0.53

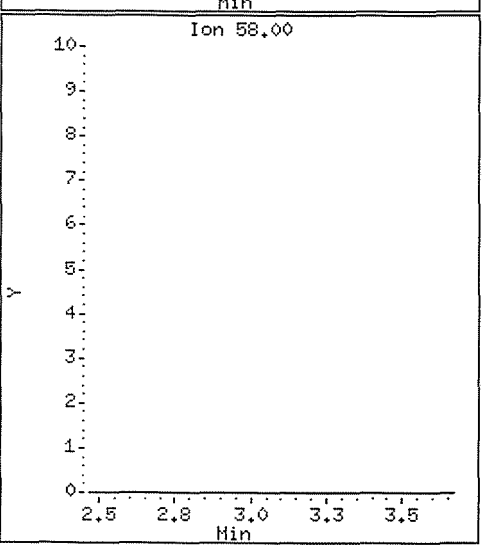
10 Acetone

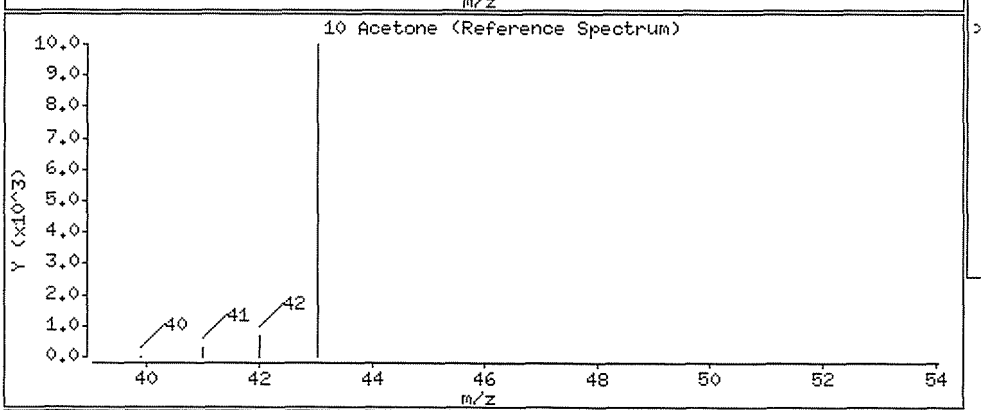
Concentration: 8.68 ug/Kg

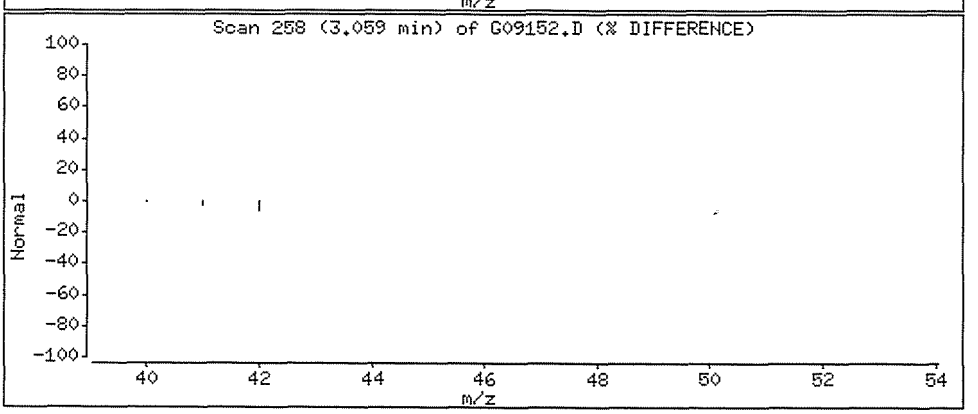


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D

Date : 21-OCT-2000 14:06

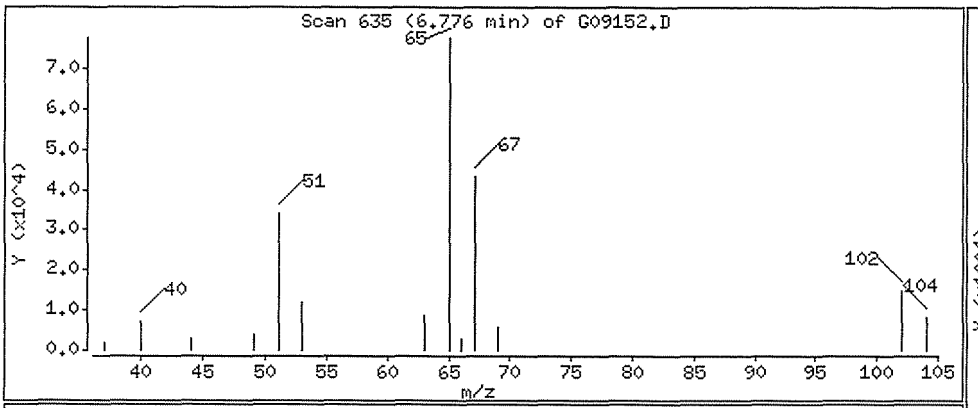
Client ID: G09152 Instrument: mg.i

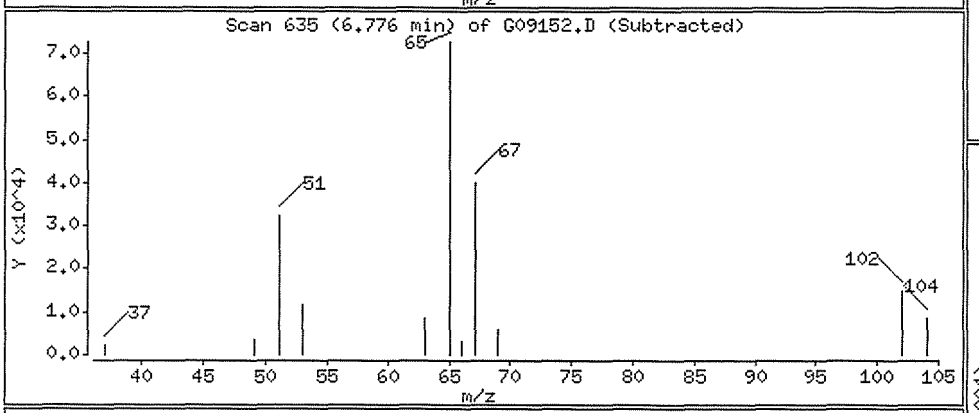
Sample Info: DLW5C101,,2,,0,1,0,8260BGS.M,G09152

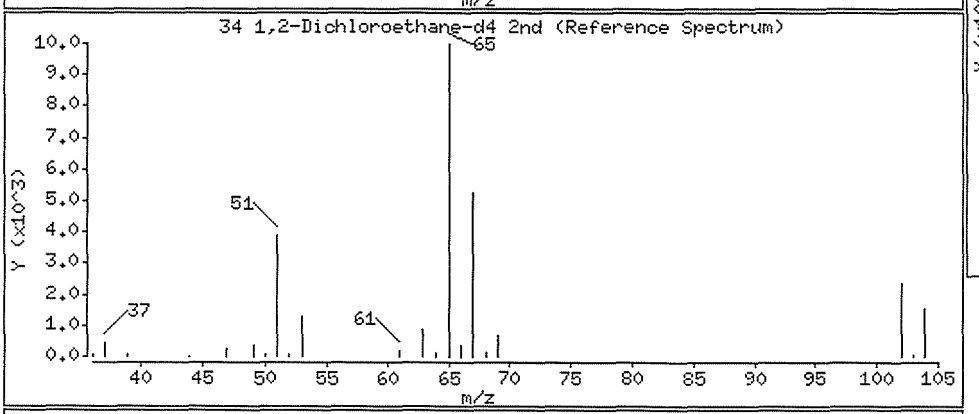
Operator: GFB

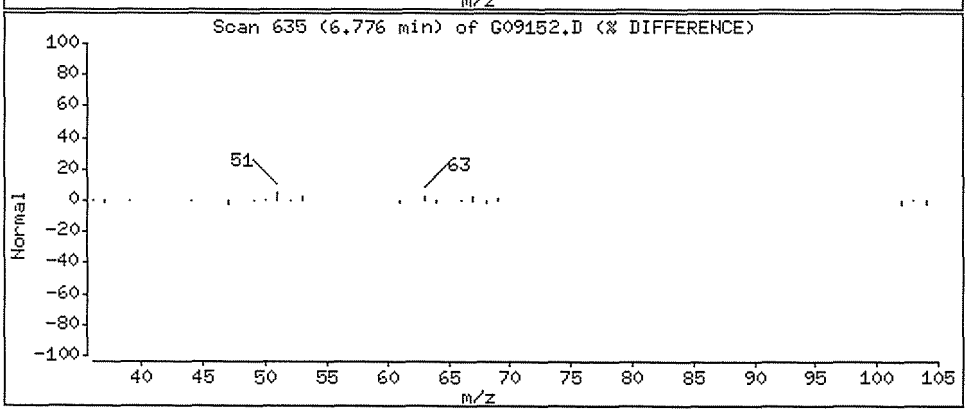
Column phase: J&W DB-624 Column diameter: 0.53

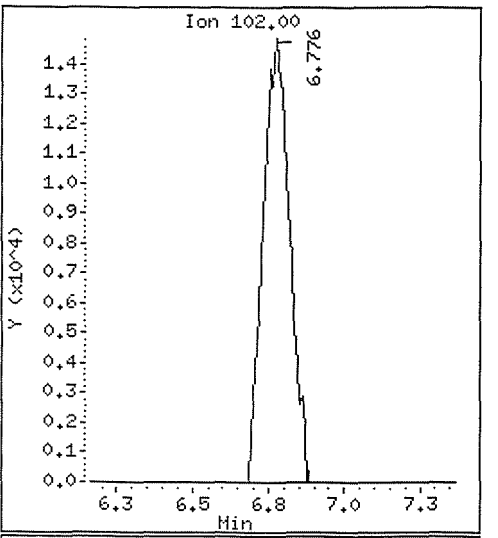
34 1,2-Dichloroethane-d4 2nd Concentration: 53.64 ug/Kg

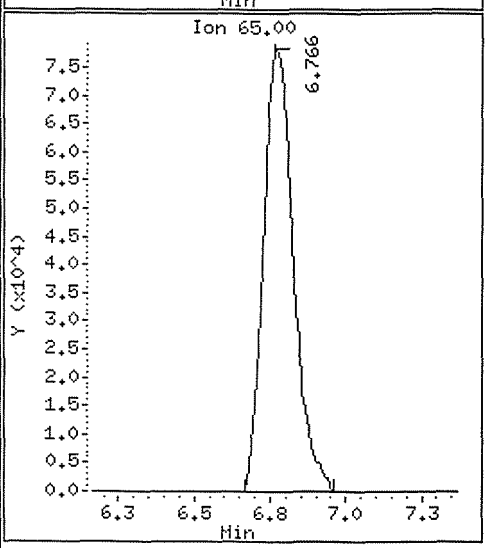


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D



Date : 21-OCT-2000 14:06

Client ID: G09152

Instrument: mg.i

Sample Info: DLW5C101,,2,,0,1,0,8260BGS.M,G09152

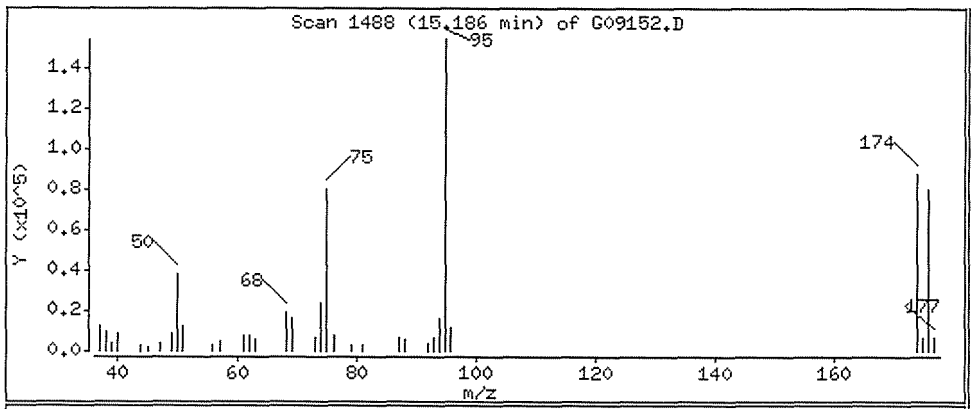
Operator: GFB

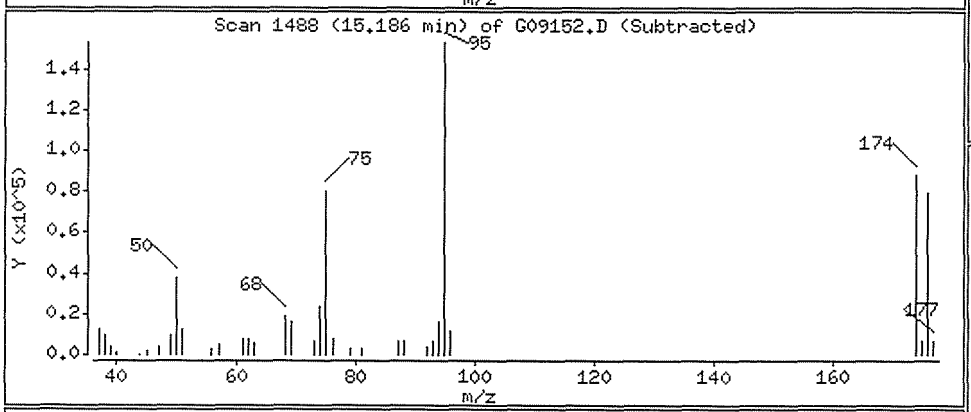
Column phase: J&W DB-624

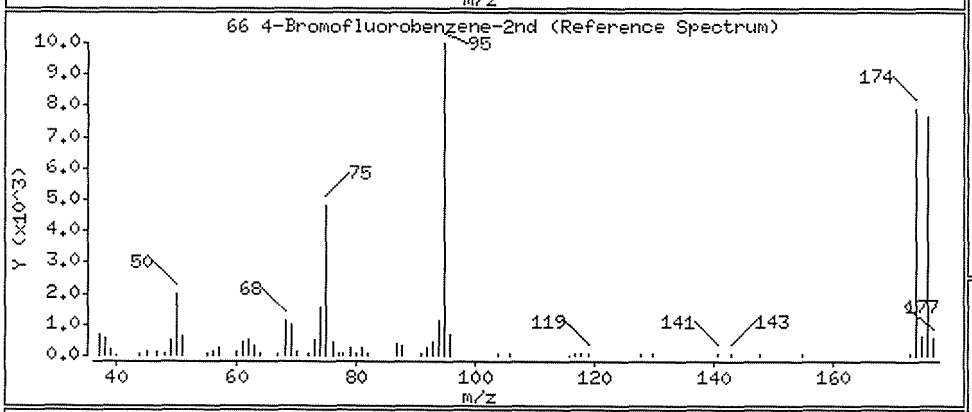
Column diameter: 0.53

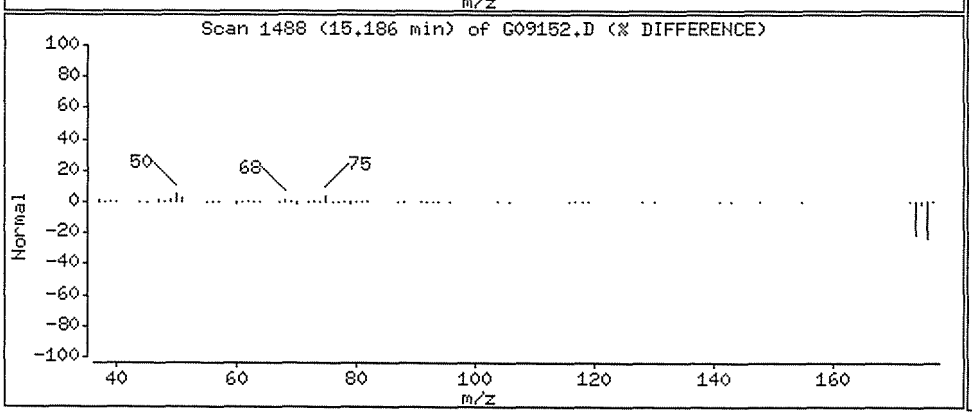
66 4-Bromofluorobenzene-2nd

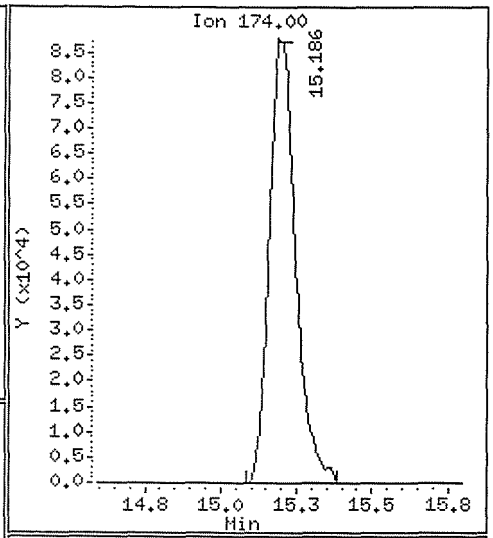
Concentration: 51.05 ug/Kg

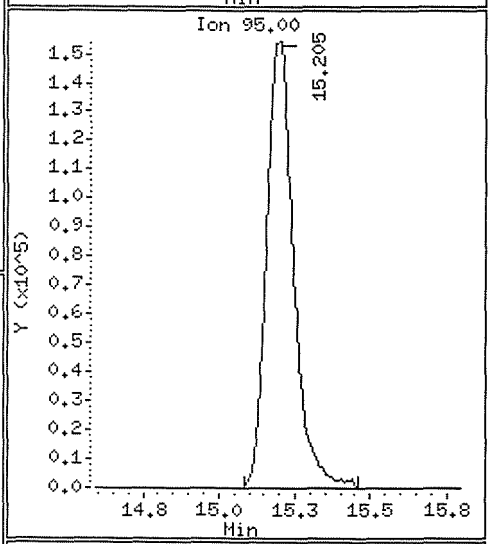


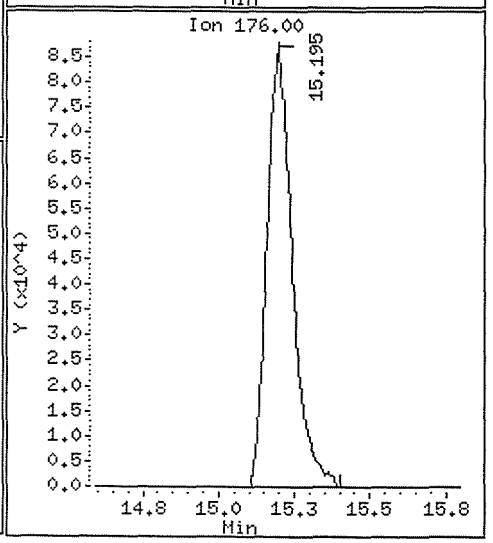



Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09152.D

Date : 21-OCT-2000 14:06

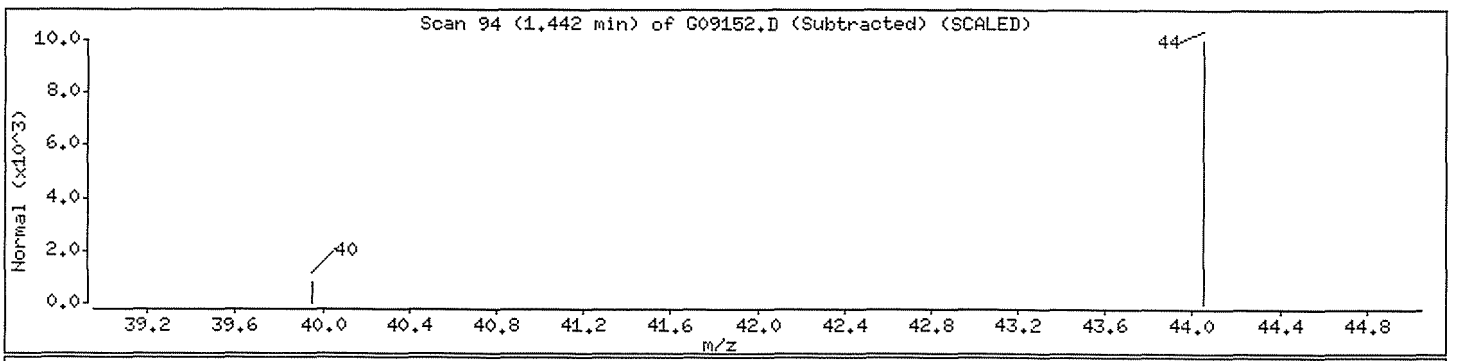
Client ID: G09152 Instrument: mg.i

Sample Info: DLW5C101,,2,,0,1,0,8260BGS.M,G09152

Operator: GFB

Column phase: J&W DB-624 Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| UNKNOWN | | | | | | |




CO2

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D
Lab Smp Id: DLW5K101 Client Smp ID: G09153
Inj Date : 21-OCT-2000 14:41
Operator : GFB Inst ID: mg.i
Smp Info : DLW5K101,,2,,0,1,0,8260BGS.M,G09153
Misc Info : 272-2,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.075 | 3.065 | (0.419) | 23803 | 10.2274 | 10.23 |
| $ 29 Dibromofluoromethane | 111 | 6.229 | 6.220 | (0.848) | 642576 | 46.3746 | 46.37 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.782 | 6.763 | (0.923) | 572933 | 52.1223 | 52.12 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.782 | 6.763 | (0.923) | 101889 | 58.8408 | 58.84 |
| * 38 Fluorobenzene | 96 | 7.343 | 7.315 | (1.000) | 1203069 | 50.0000 | |
| $ 47 Toluene-d8 | 98 | 10.173 | 10.154 | (0.791) | 1188418 | 49.9448 | 49.94 |
| * 56 Chlorobenzene-d5 | 117 | 12.865 | 12.865 | (1.000) | 963799 | 50.0000 | |
| $ 67 4-Bromofluorobenzene | 95 | 15.211 | 15.192 | (0.868) | 954045 | 51.0245 | 51.02 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.201 | 15.192 | (0.868) | 519991 | 48.9074 | 48.91 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.518 | 17.509 | (1.000) | 570723 | 50.0000 | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D
Lab Smp Id: DLW5K101 Client Smp ID: G09153
Inj Date : 21-OCT-2000 14:41
Operator : GFB Inst ID: mg.i
Smp Info : DLW5K101,,2,,0,1,0,8260BGS.M,G09153
Misc Info : 272-2,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.344 | 3000815 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.428 | 799423 | 13.3200983 | 13.32 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW5K101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09153
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ NJ | 1.428 | 13.32 | J |

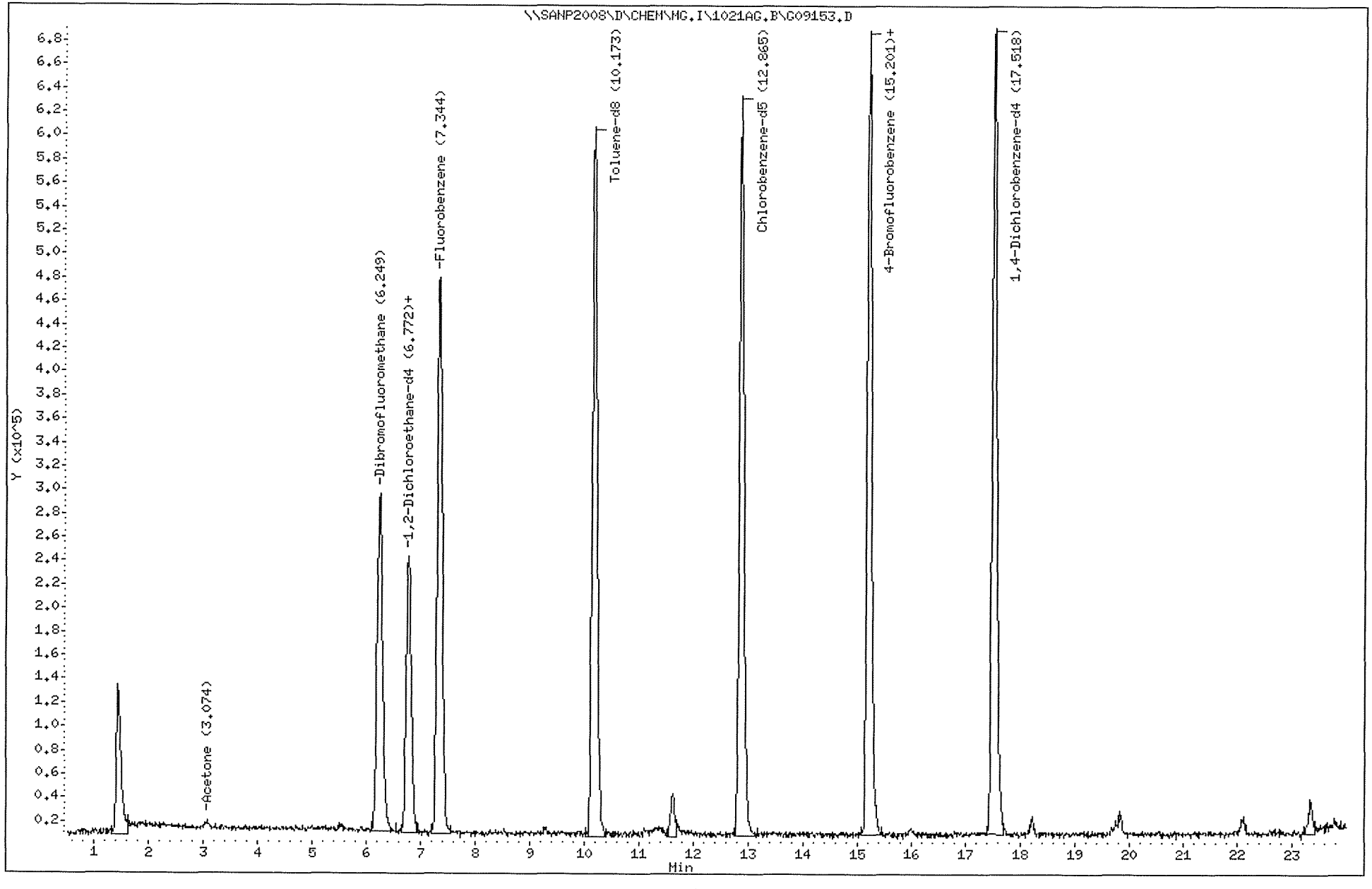
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D
Date : 21-OCT-2000 14:41
Client ID: G09153
Sample Info: DLW5K101,,2,,0,1,0,8260BGS.M,G09153

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53






BOE-C6-0167581

000460

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D

Date : 21-OCT-2000 14:41

Client ID: G09153

Instrument: mg.i

Sample Info: DLW5K101,,2,,0,1,0,8260BGS.M,G09153

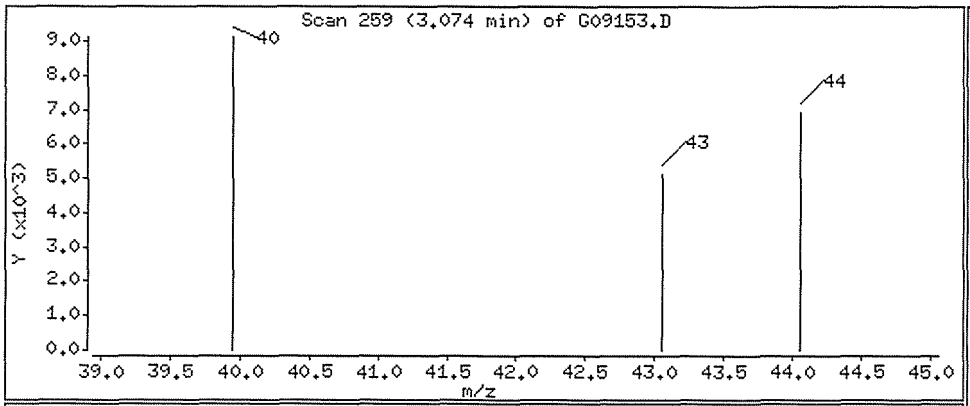
Operator: GFB

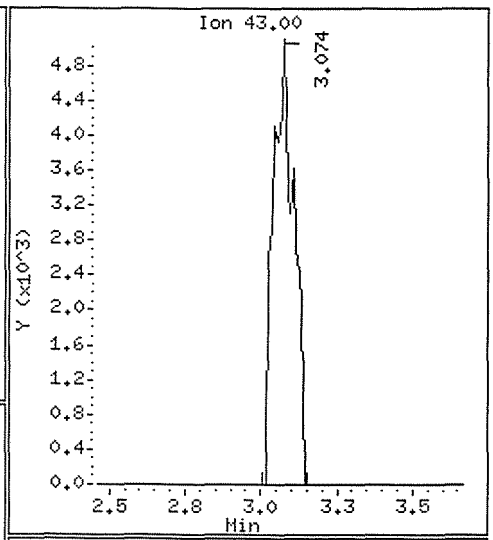
Column phase: J&W DB-624

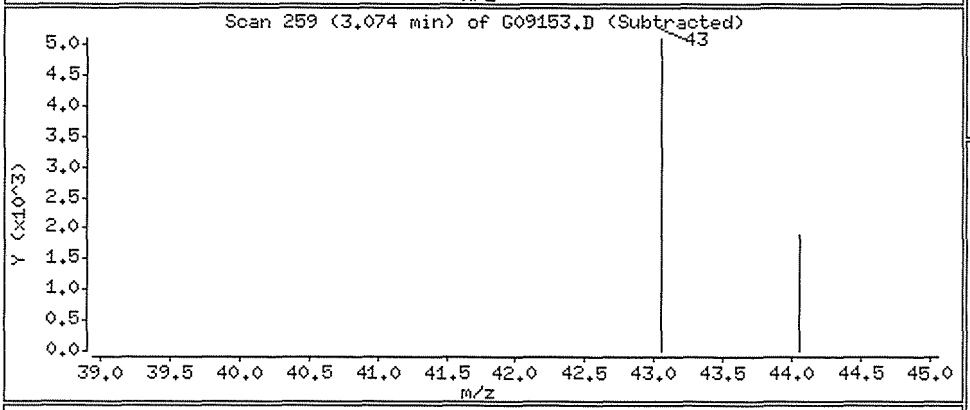
Column diameter: 0.53

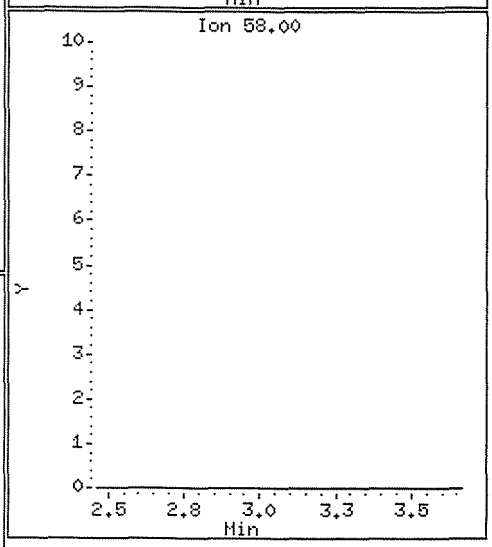
10 Acetone

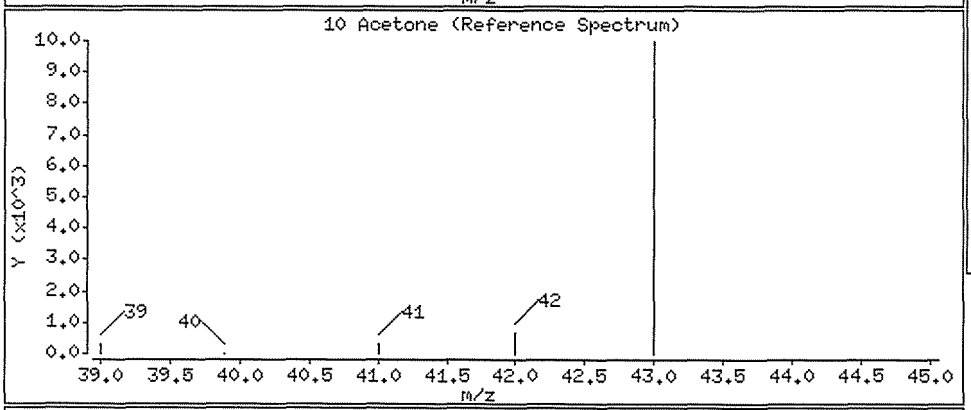
Concentration: 10.23 ug/Kg

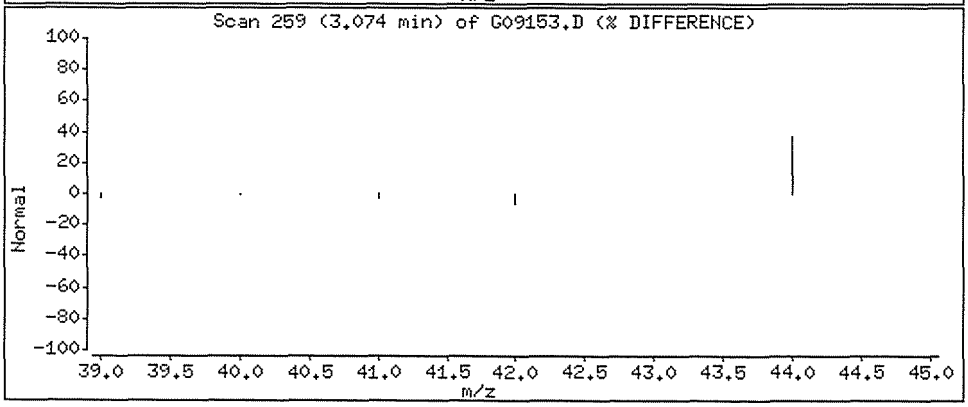


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D

Date : 21-OCT-2000 14:41

Client ID: G09153

Instrument: mg.i

Sample Info: DLW5K101,,2,,0,1,0,8260BGS.M,G09153

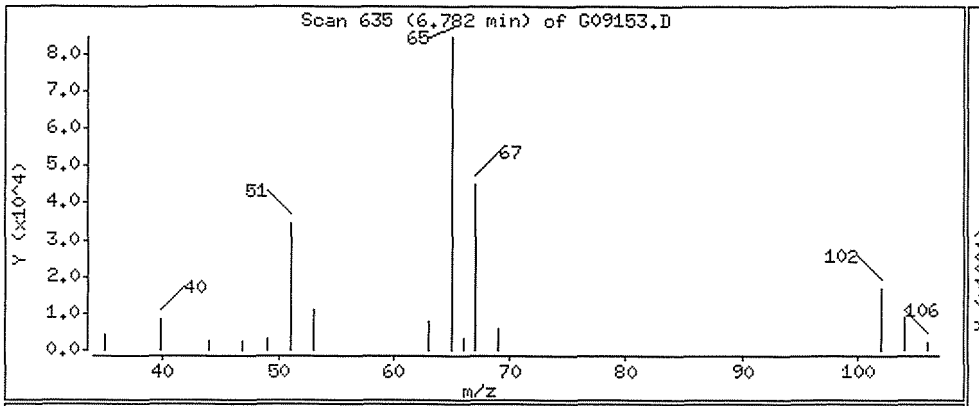
Operator: GFB

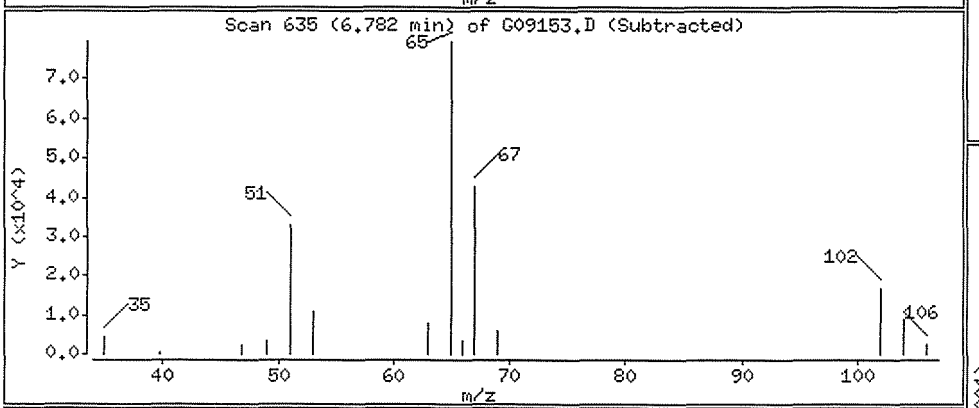
Column phase: J&W DB-624

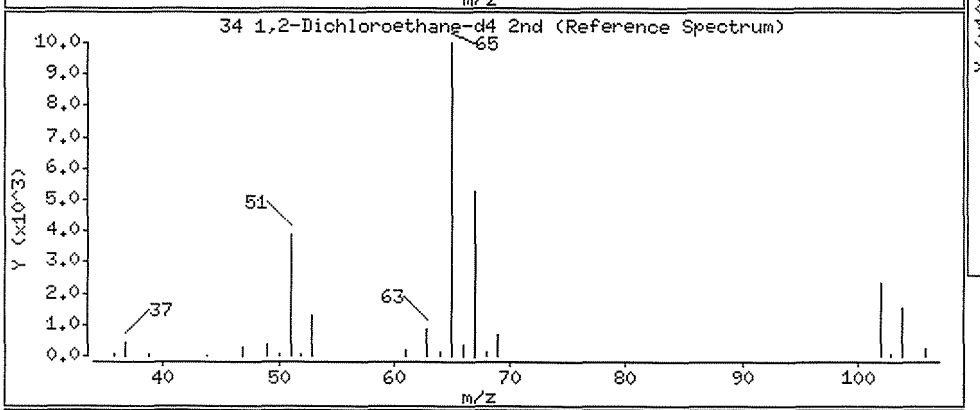
Column diameter: 0.53

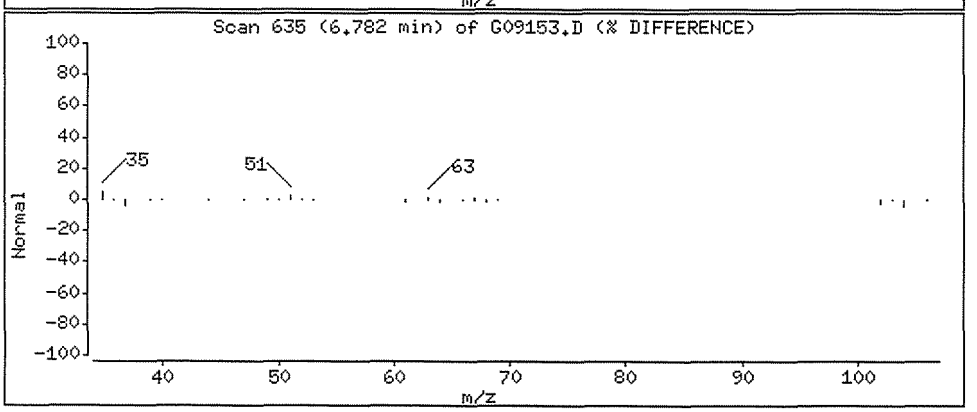
34 1,2-Dichloroethane-d4 2nd

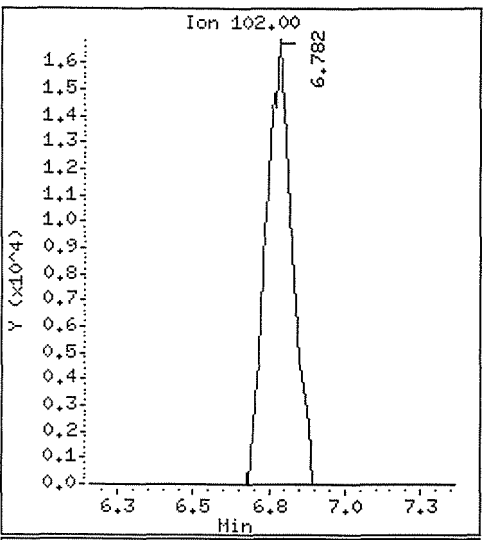
Concentration: 58.84 ug/Kg

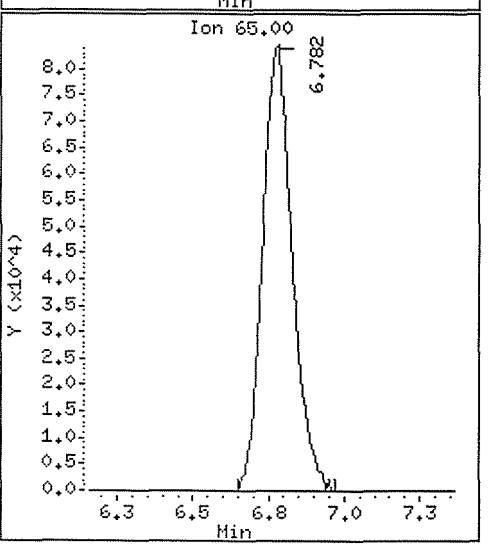


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D



Date : 21-OCT-2000 14:41

Client ID: G09153

Instrument: mg.i

Sample Info: DLW5K101,,2,,0,1,0,8260BGS.M,G09153

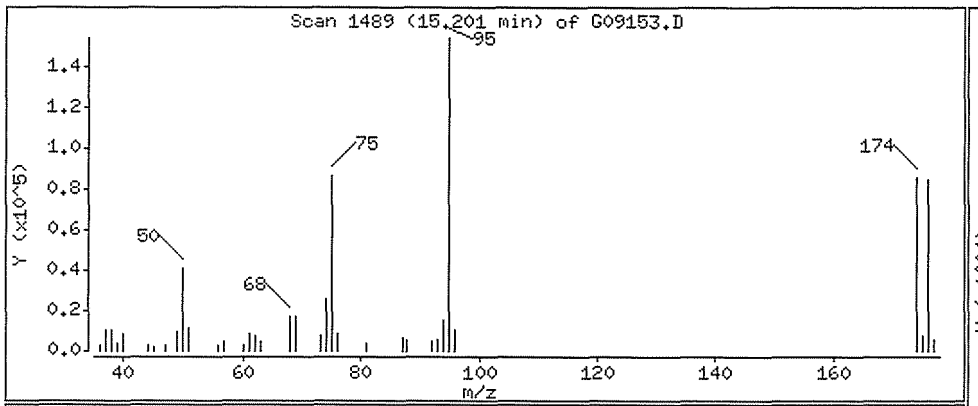
Operator: GFB

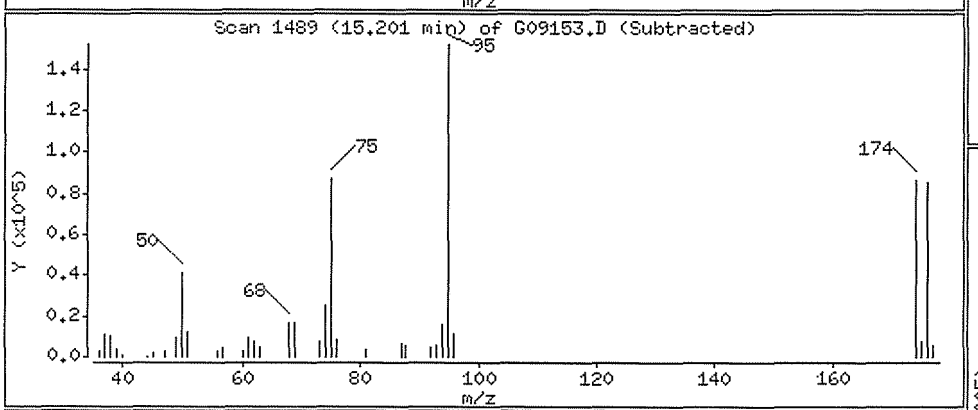
Column phase: J&W DB-624

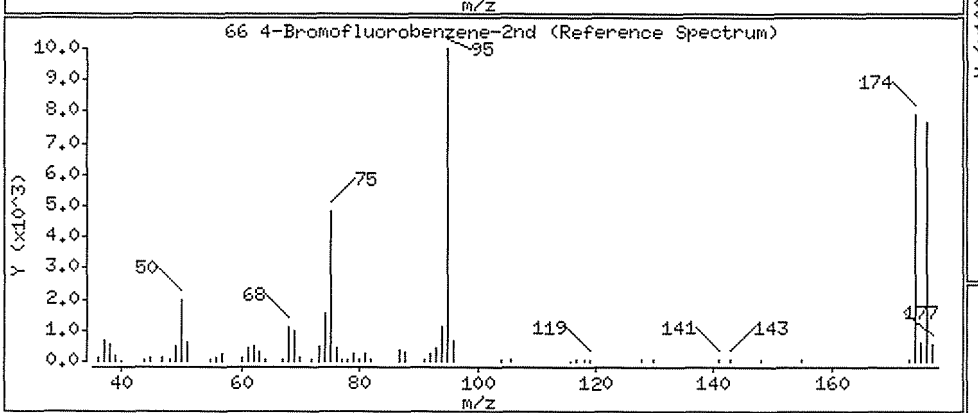
Column diameter: 0.53

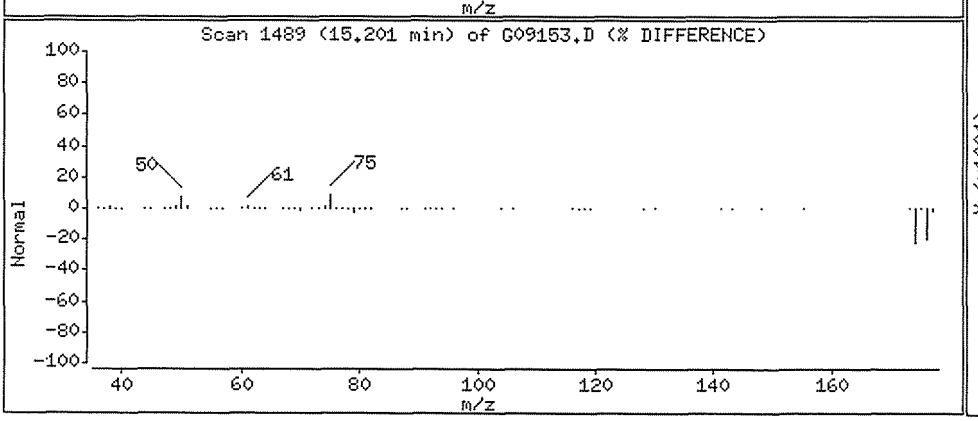
66 4-Bromofluorobenzene-2nd

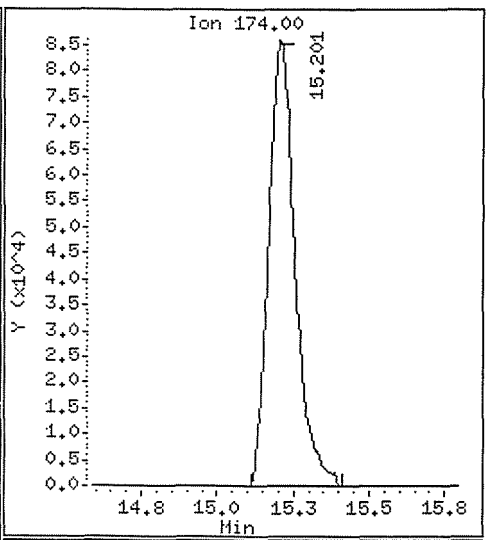
Concentration: 48.91 ug/Kg

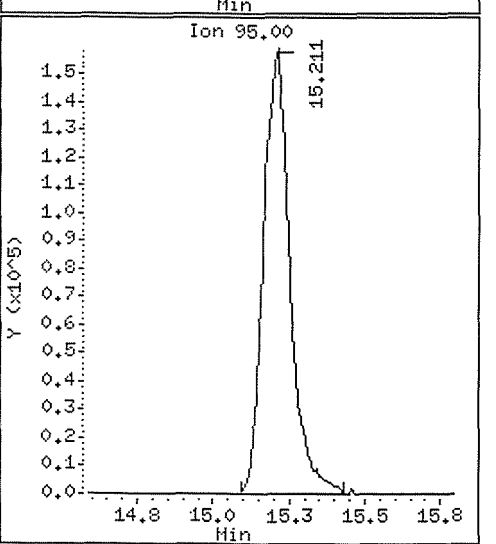


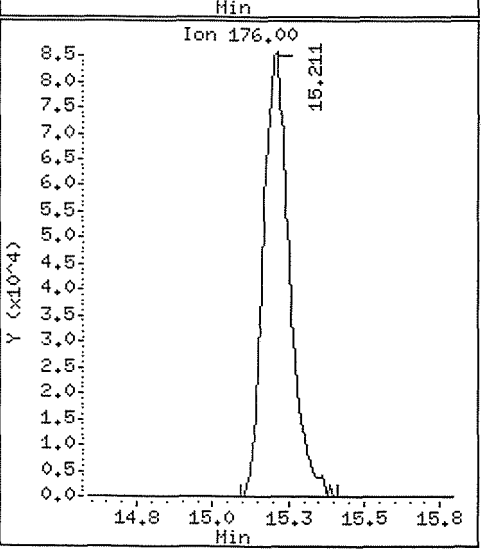



Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09153.D

Date : 21-OCT-2000 14:41

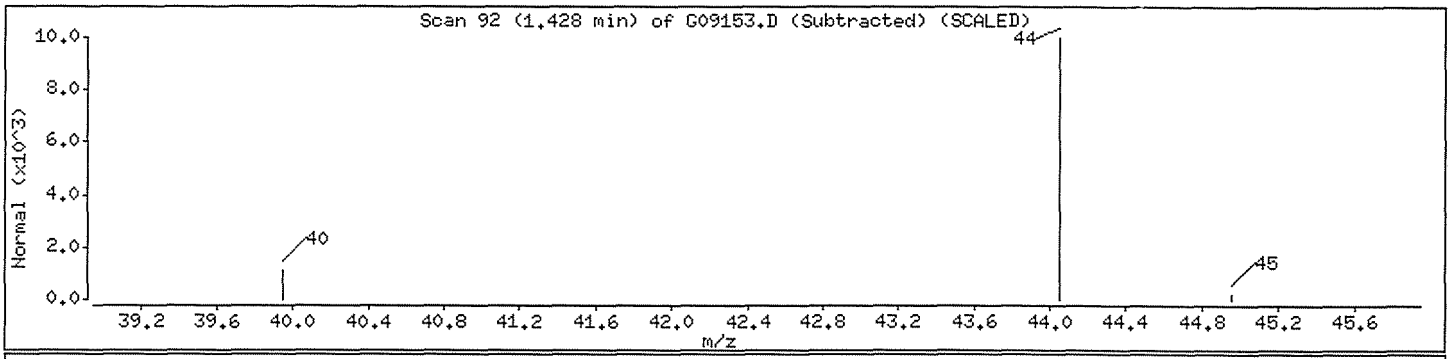
Client ID: G09153 Instrument: mg.i

Sample Info: DLW5K101,,2,,0,1,0,8260BGS.M,G09153

Operator: GFB

Column phase: J&W DB-624 Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| UNKNOWN | | | | | | |




ND

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D
Lab Smp Id: DLW5M101 Client Smp ID: G09154
Inj Date : 21-OCT-2000 15:16
Operator : GFB Inst ID: mg.i
Smp Info : DLW5M101,,2,,0,1,0,8260BGS.M,G09154
Misc Info : 272-3,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.070 | 3.065 | (0.418) | 42568 | 17.6789 | 17.68 | |
| $ 29 Dibromofluoromethane | 111 | 6.234 | 6.220 | (0.850) | 660026 | 46.0418 | 46.04 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.767 | 6.763 | (0.922) | 584847 | 51.4276 | 51.43 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.767 | 6.763 | (0.922) | 98186 | 54.8073 | 54.81 | |
| * 38 Fluorobenzene | 96 | 7.339 | 7.315 | (1.000) | 1244674 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.168 | 10.154 | (0.790) | 1201068 | 47.5407 | 47.54 | |
| * 56 Chlorobenzene-d5 | 117 | 12.870 | 12.865 | (1.000) | 1023315 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.187 | 15.192 | (0.868) | 998751 | 50.4879 | 50.49 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.196 | 15.192 | (0.868) | 540281 | 48.0306 | 48.03 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.504 | 17.509 | (1.000) | 603816 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D
Lab Smp Id: DLW5M101 Client Smp ID: G09154
Inj Date : 21-OCT-2000 15:16
Operator : GFB Inst ID: mg.i
Smp Info : DLW5M101,,2,,0,1,0,8260BGS.M,G09154
Misc Info : 272-3,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 79 1,4-Dichlorobenzene-d4 | 17.504 | 4172447 | 50.000 |

| | RT | AREA | CONCENTRATIONS ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | QUANT LIBRARY | LIB ENTRY | CPND # |
|---|---|---|---|---|---|---|---|---|
| 1-Hexanol, 2-ethyl- CAS #: 104-76-7 | 18.233 | 1.170e+008 | 1401.99889 | 1402 | 78 | NBS75K.L | 5518 | 79 |
| Cyclopentane, 1,2-dimethyl-, cis- CAS #: 1192-18-3 | 19.830 | 2489184 | 29.8288172 | 29.83 | 58 | NBS75K.L | 63274 | 79 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW5M101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09154
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 104-76-7 | ~~1-Hexanol, 2-ethyl-~~ ~~unknown~~ | 18.233 | 1402 | NJ |
| 2. 1192-18-3 | Cyclopentane, 1,2-dimethyl- unknown | 19.830 | 29.83 | NJ |

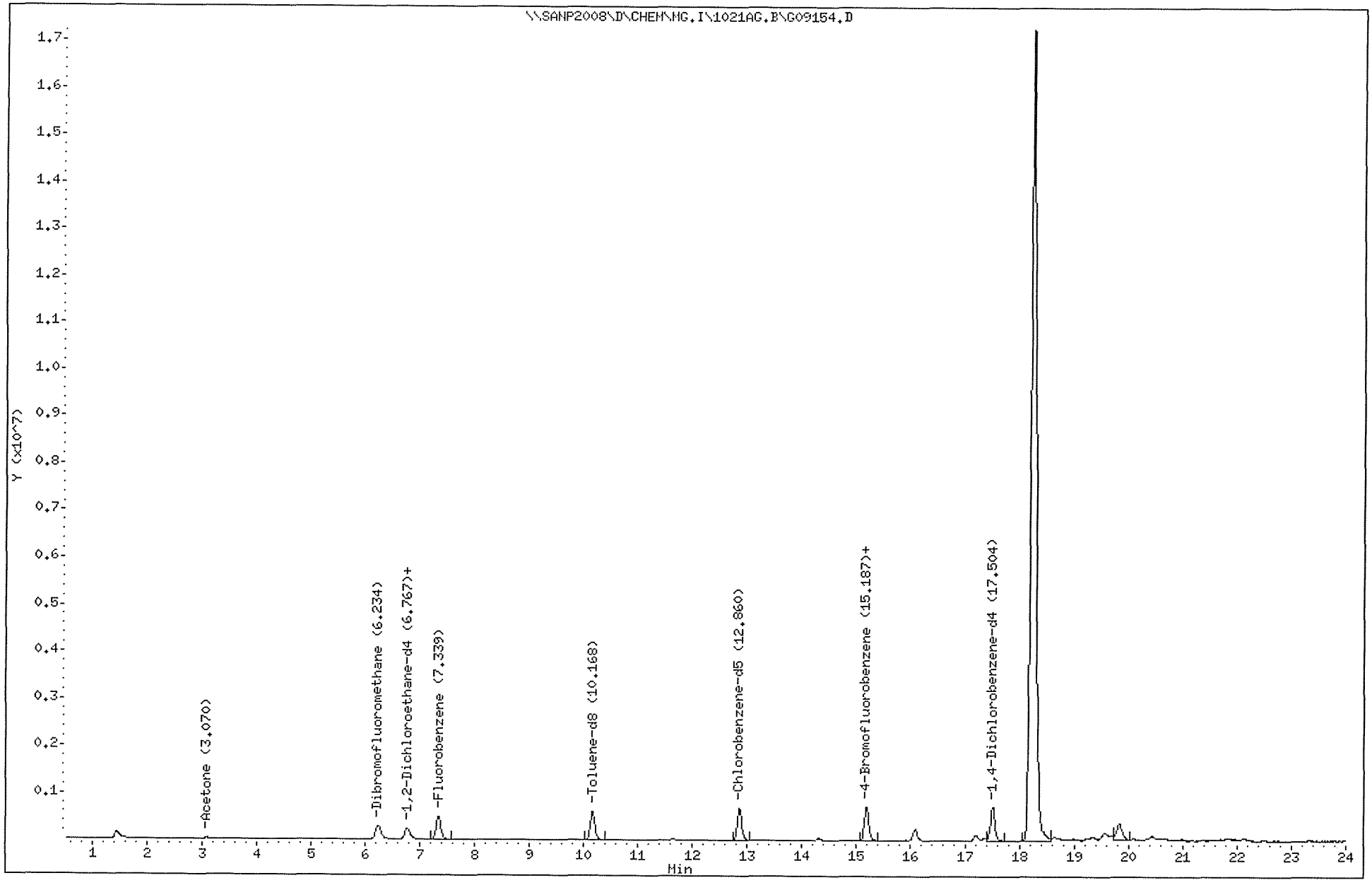
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D
Date : 21-OCT-2000 15:16
Client ID: G09154
Sample Info: DLW5M101,,2,,0,1,0,8260BGS.M,G09154

Column phase: J&W DB-624

Instrument: mg.i

Operator: GFB
Column diameter: 0.53






000469

BOE-C6-0167590

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D

Date : 21-OCT-2000 15:16

Client ID: G09154

Instrument: mg.i

Sample Info: DLW5M101,,2,,0,1,0,8260BGS.M,G09154

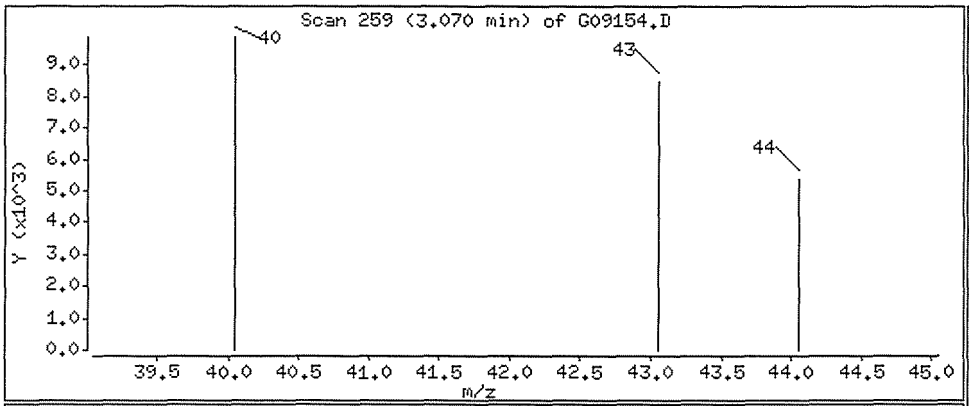
Operator: GFB

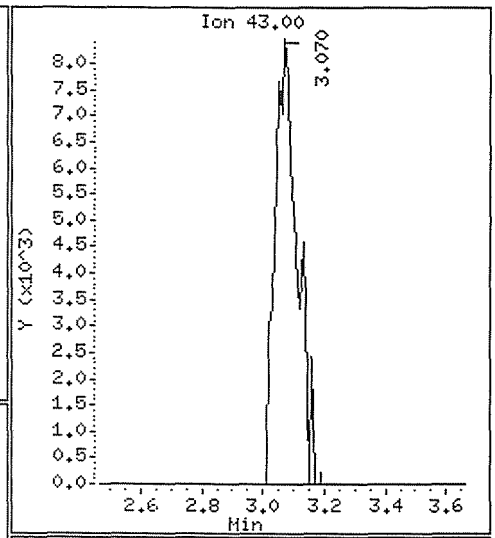
Column phase: J&W DB-624

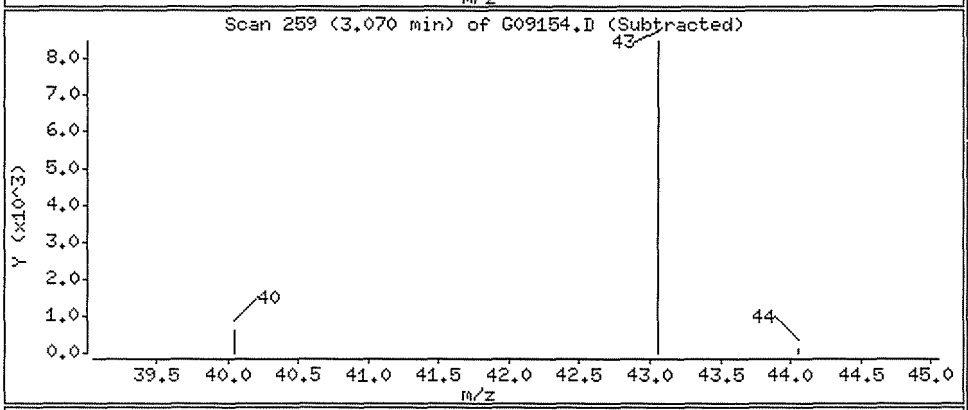
Column diameter: 0.53

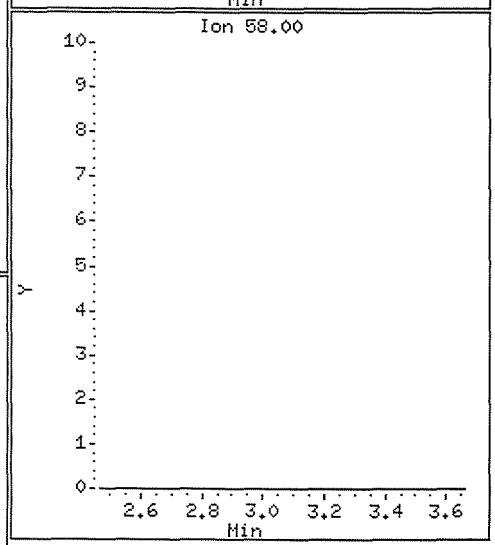
10 Acetone

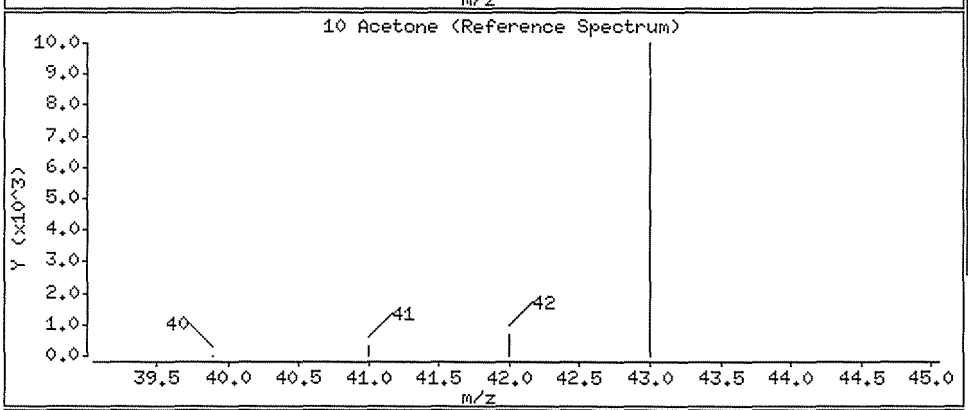
Concentration: 17.68 ug/Kg

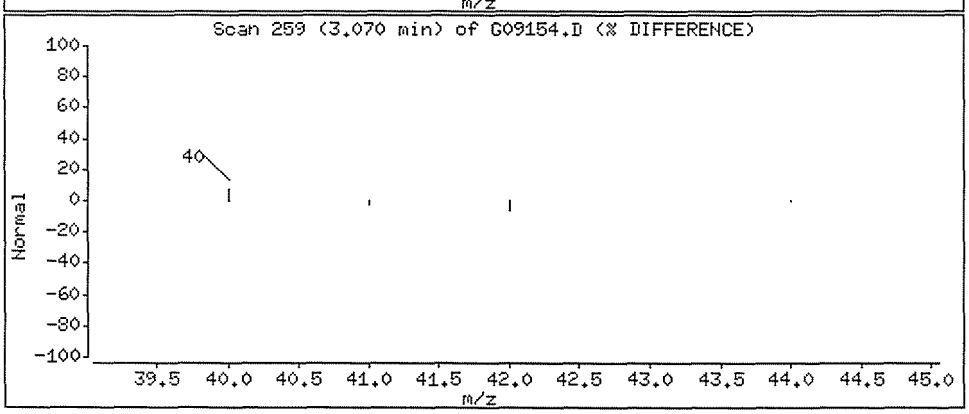


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D

Date : 21-OCT-2000 15:16

Client ID: G09154

Instrument: mg.i

Sample Info: DLW5M101,,2,,0,1,0,8260BGS.M,G09154

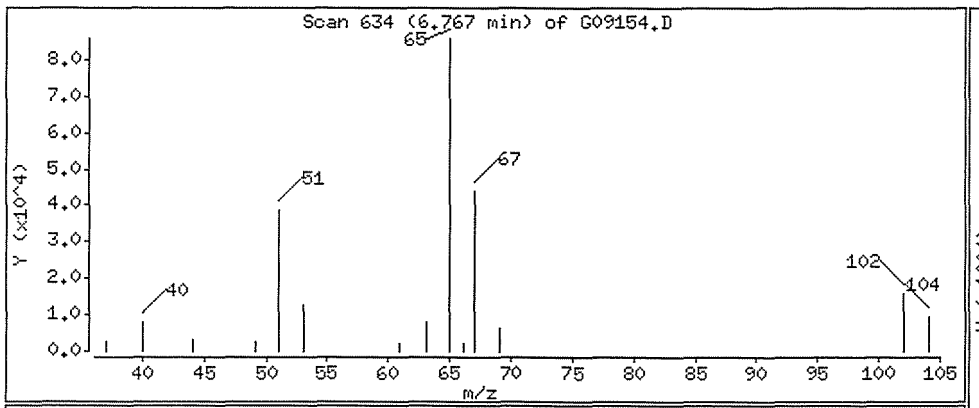
Operator: GFB

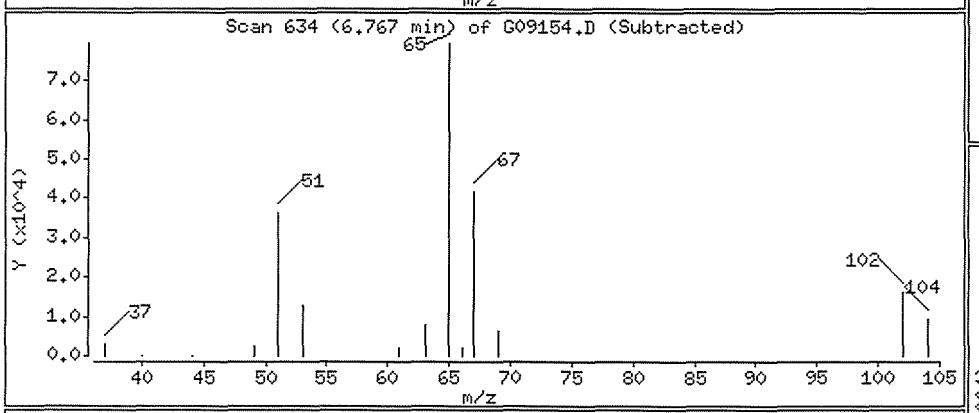
Column phase: J&W DB-624

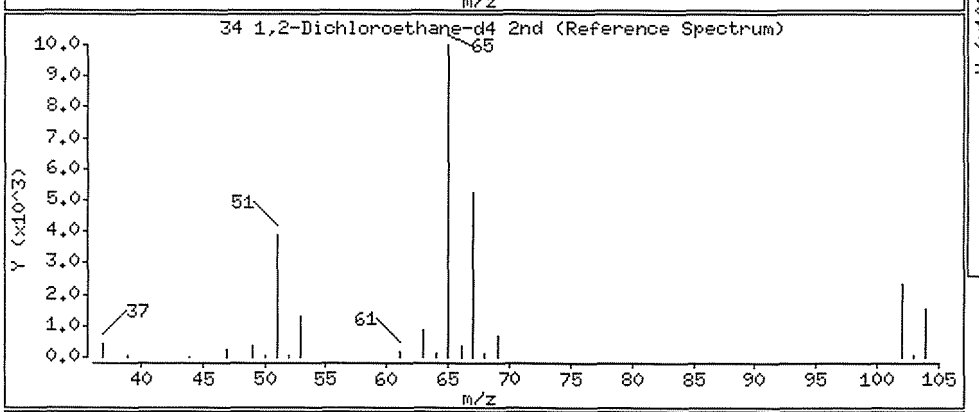
Column diameter: 0.53

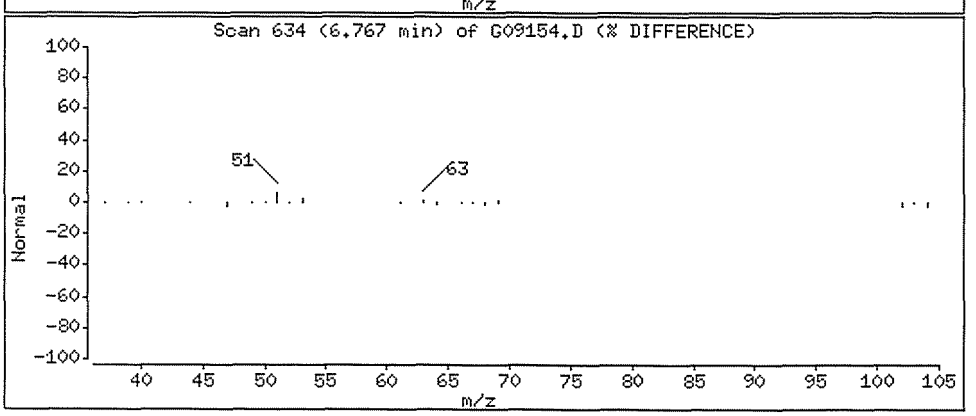
34 1,2-Dichloroethane-d4 2nd

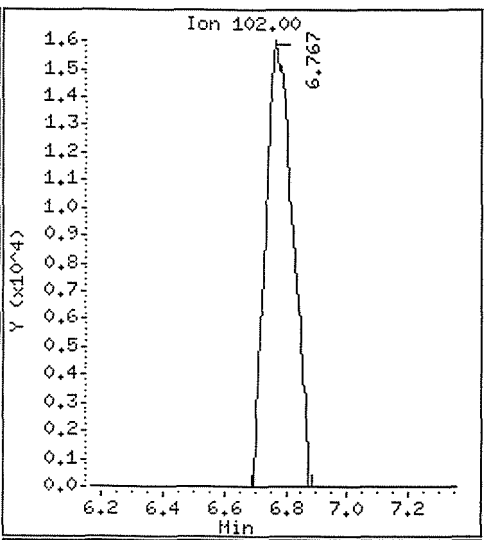
Concentration: 54.81 ug/Kg

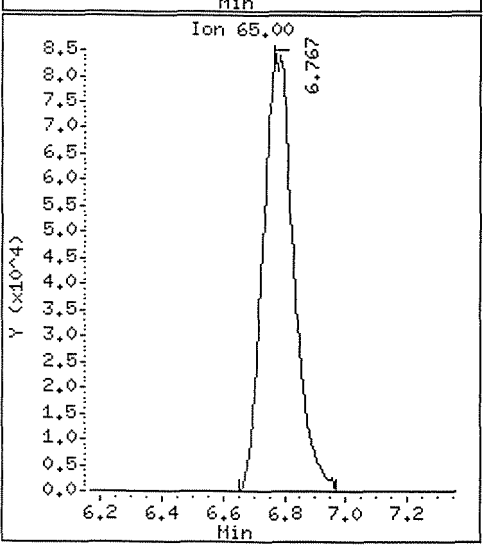


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D

Date : 21-OCT-2000 15:16

Client ID: G09154

Instrument: mg.i

Sample Info: DLW5M101,,2,,0,1,0,8260BGS.M,G09154

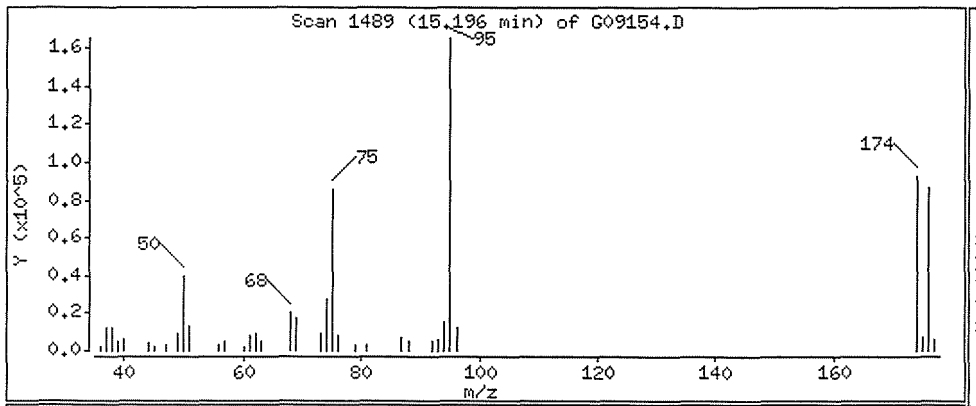
Operator: GFB

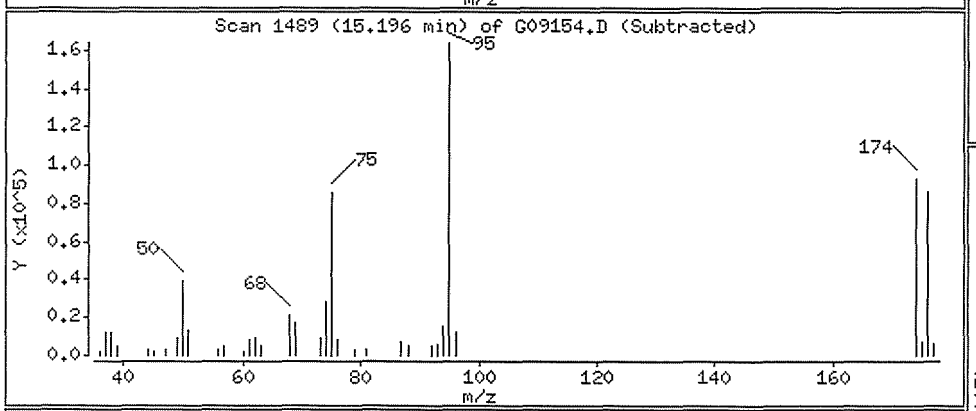
Column phase: J&W DB-624

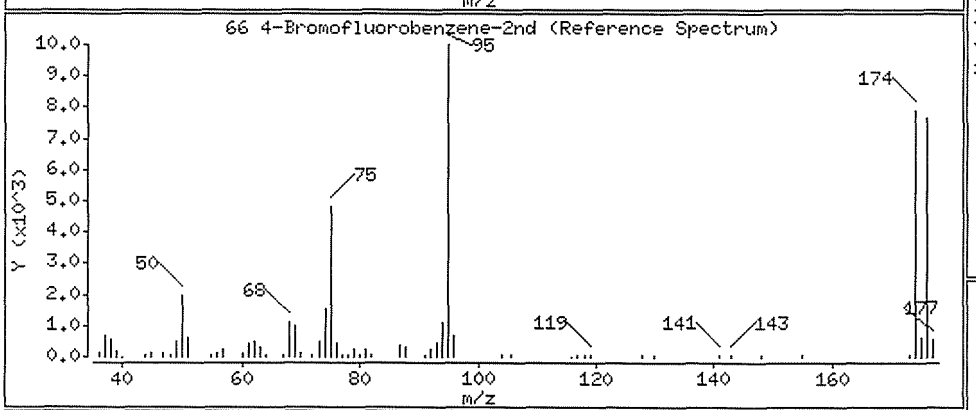
Column diameter: 0.53

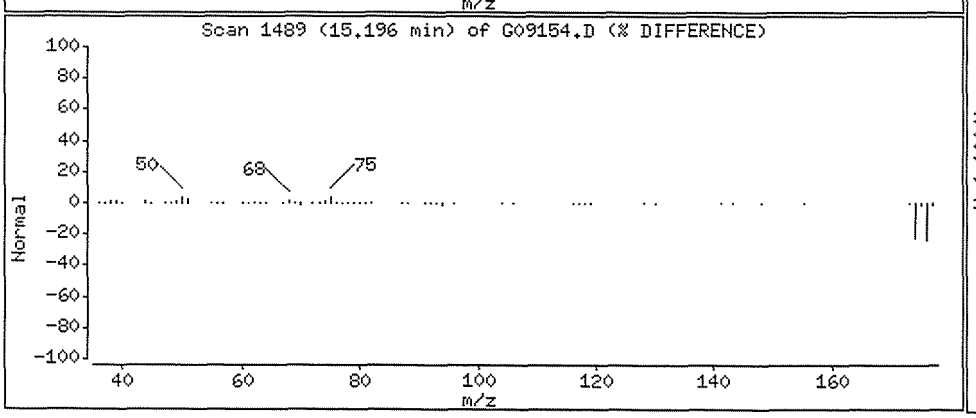
66 4-Bromofluorobenzene-2nd

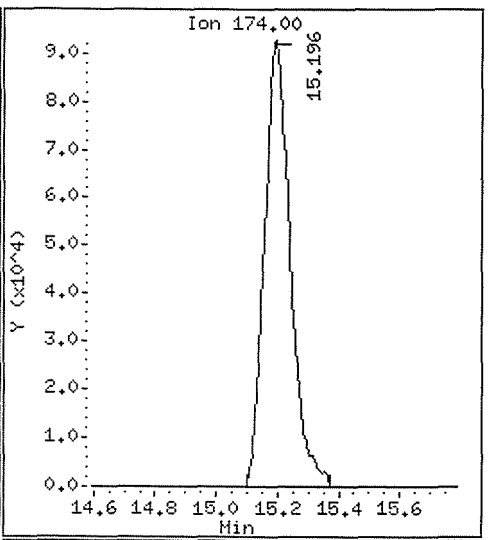
Concentration: 48.03 ug/Kg

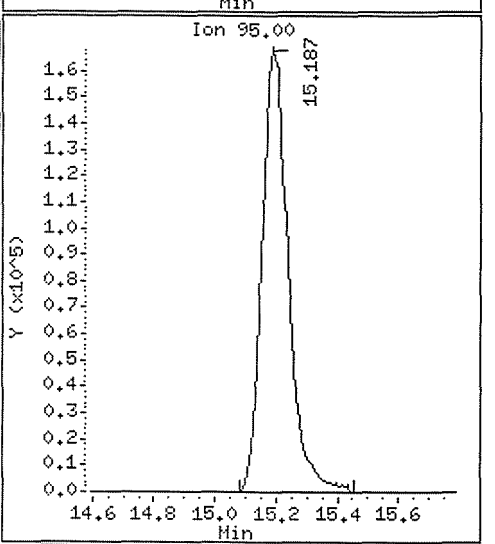


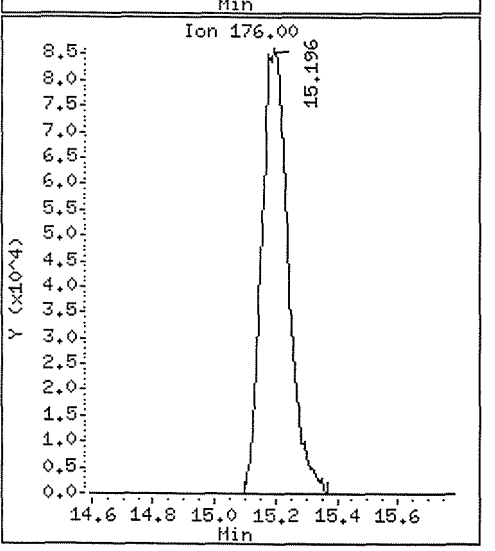



Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D

Date : 21-OCT-2000 15:16

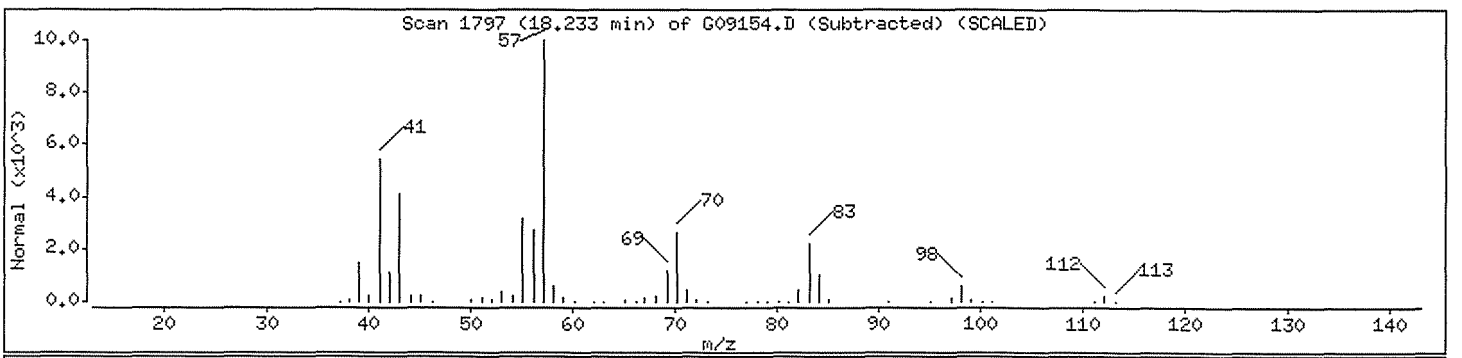
Client ID: G09154 Instrument: mg.i

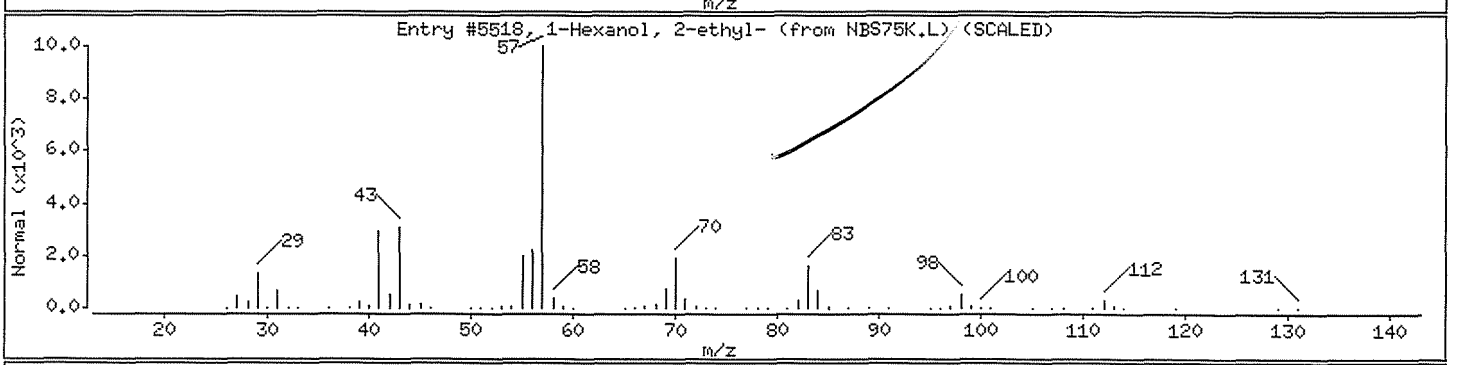
Sample Info: DLW5M101,,2,,0,1,0,8260BGS.M,G09154

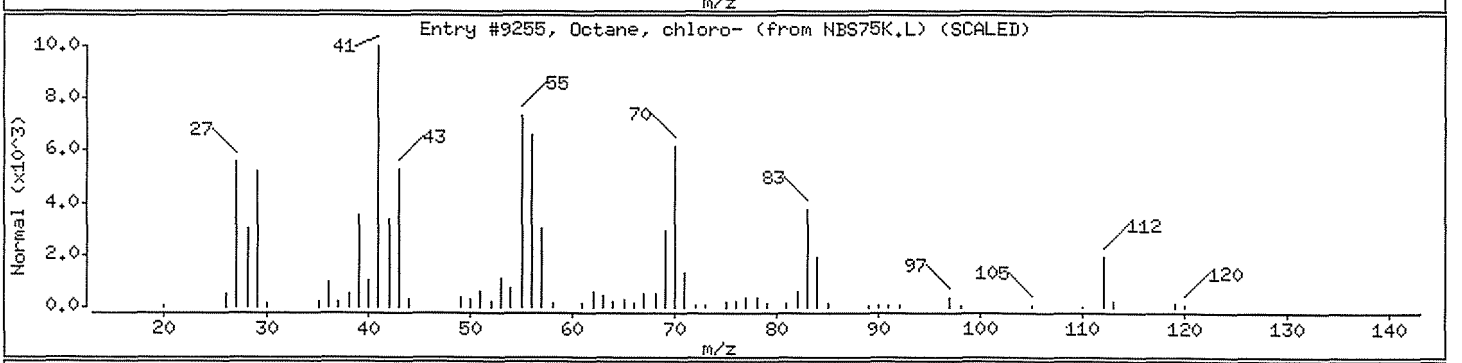
Operator: GFB

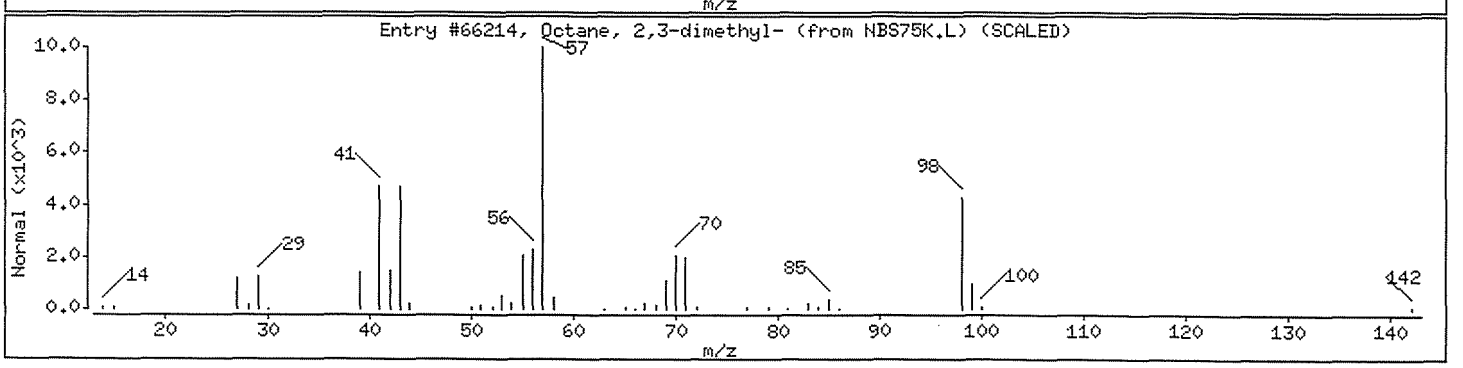
Column phase: J&W DB-624 Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| 1-Hexanol, 2-ethyl- | 104-76-7 | NBS75K.L | 5518 | 78 | C8H18O | 130 |
| Octane, chloro- | 26655-49-2 | NBS75K.L | 9255 | 47 | C8H17Cl | 148 |
| Octane, 2,3-dimethyl- | 7146-60-3 | NBS75K.L | 66214 | 47 | C10H22 | 142 |



Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09154.D



Date : 21-OCT-2000 15:16

Client ID: G09154

Instrument: mg.i

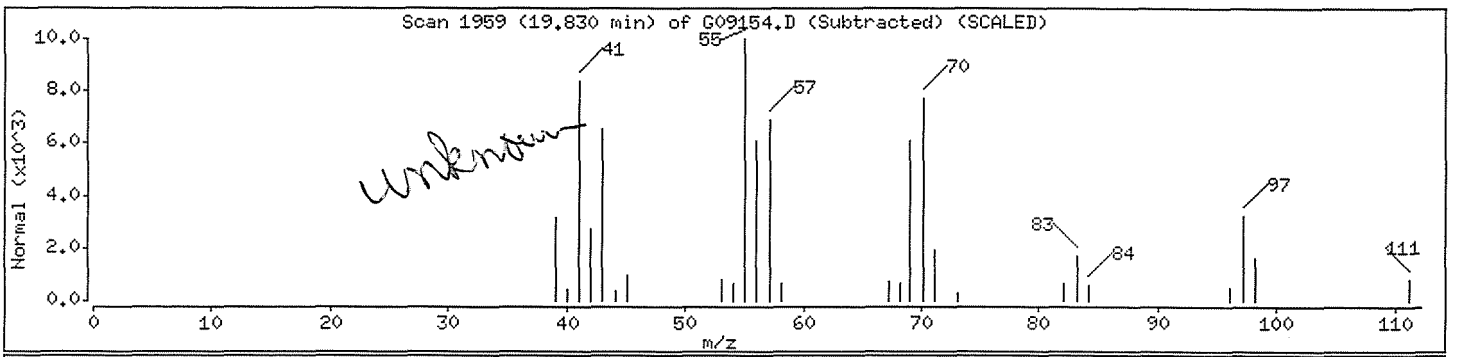
Sample Info: DLW5M101,,2,,0,1,0,8260BGS.M,G09154

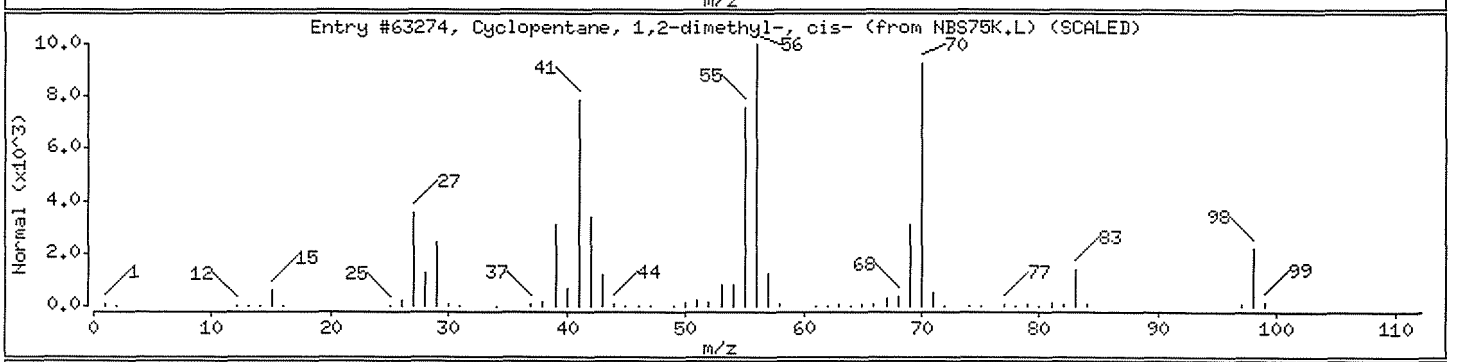
Operator: GFB

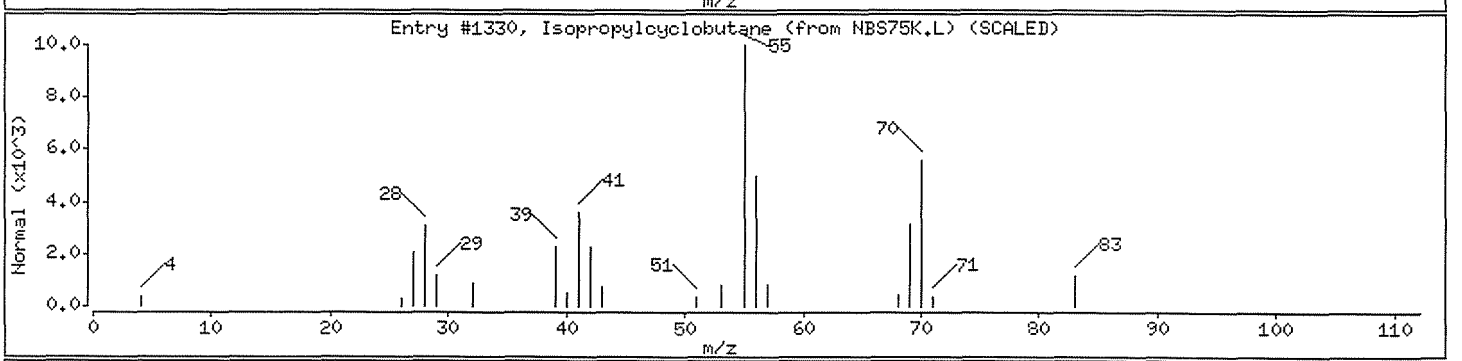
Column phase: J&W DB-624

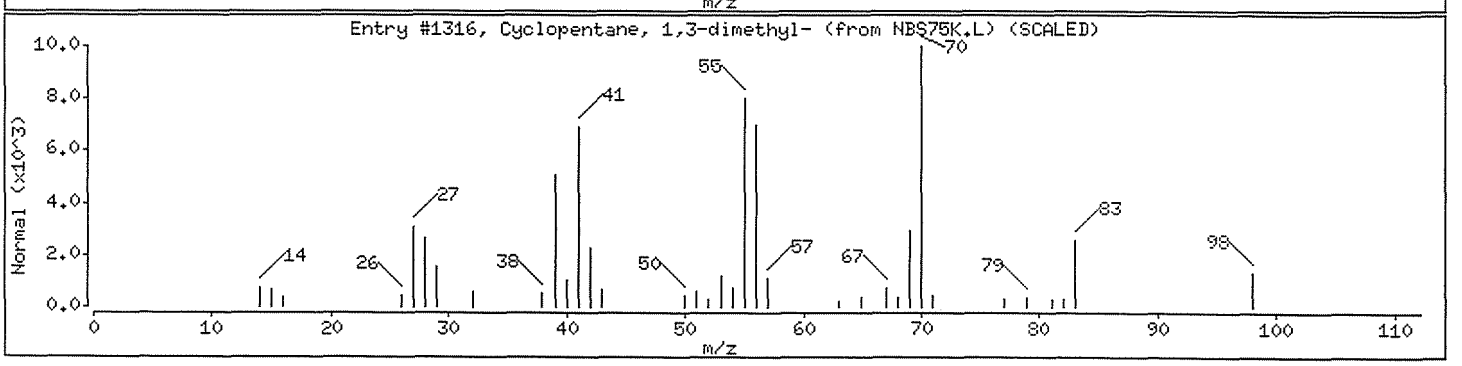
Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| Cyclopentane, 1,2-dimethyl-, cis- | 1192-18-3 | NBS75K.L | 63274 | 58 | C7H14 | 98 |
| Isopropylcyclobutane | 872-56-0 | NBS75K.L | 1330 | 53 | C7H14 | 98 |
| Cyclopentane, 1,3-dimethyl- | 2453-00-1 | NBS75K.L | 1316 | 52 | C7H14 | 98 |



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09155.D
Lab Smp Id: DLW5N101 Client Smp ID: G09155
Inj Date : 21-OCT-2000 15:51
Operator : GFB Inst ID: mg.i
Smp Info : DLW5N101,,2,,0,1,0,8260BGS.M,G09155
Misc Info : 272-4,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.228 | 6.220 | (0.849) | 624375 | 46.2370 | 46.24 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.761 | 6.763 | (0.922) | 527796 | 49.2690 | 49.27 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.761 | 6.763 | (0.922) | 88739 | 52.5843 | 52.58 | |
| * 38 Fluorobenzene | 96 | 7.332 | 7.315 | (1.000) | 1172471 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.162 | 10.154 | (0.791) | 1140364 | 50.3785 | 50.38 | |
| * 56 Chlorobenzene-d5 | 117 | 12.854 | 12.865 | (1.000) | 916865 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.180 | 15.192 | (0.867) | 929587 | 51.7308 | 51.73 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.200 | 15.192 | (0.868) | 499689 | 48.9021 | 48.90 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.507 | 17.509 | (1.000) | 548499 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW5N101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09155
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown Cycloalkane | 18.207 | 88.98 | J |

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\chem\mg.i\1021AG.B\G09155.D
Lab Smp Id: DLW5N101 Client Smp ID: G09155
Inj Date : 21-OCT-2000 15:51
Operator : GFB Inst ID: mg.i
Smp Info : DLW5N101,,2,,0,1,0,8260BGS.M,G09155
Misc Info : 272-4,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 24-Oct-2000 17:27 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 79 1,4-Dichlorobenzene-d4 | 17.507 | 3701938 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown Cycloalkane | | | | | CAS #: | | |
| 18.207 | 6588412 | 88.9859666 | 88.98 | 0 | | 0 | 79 |

Data File: \\SANP2008\D\chem\mg.i\1021AG.B\G09155.D



Date : 21-OCT-2000 15:51

Client ID: G09155

Instrument: mg.i

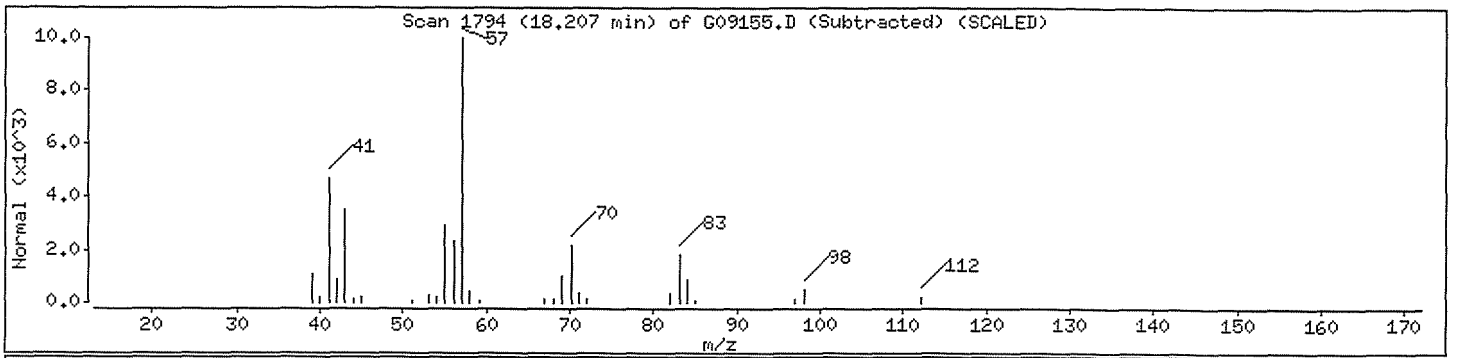
Sample Info: DLW5N101,,2,,0,1,0,8260BGS.M,G09155

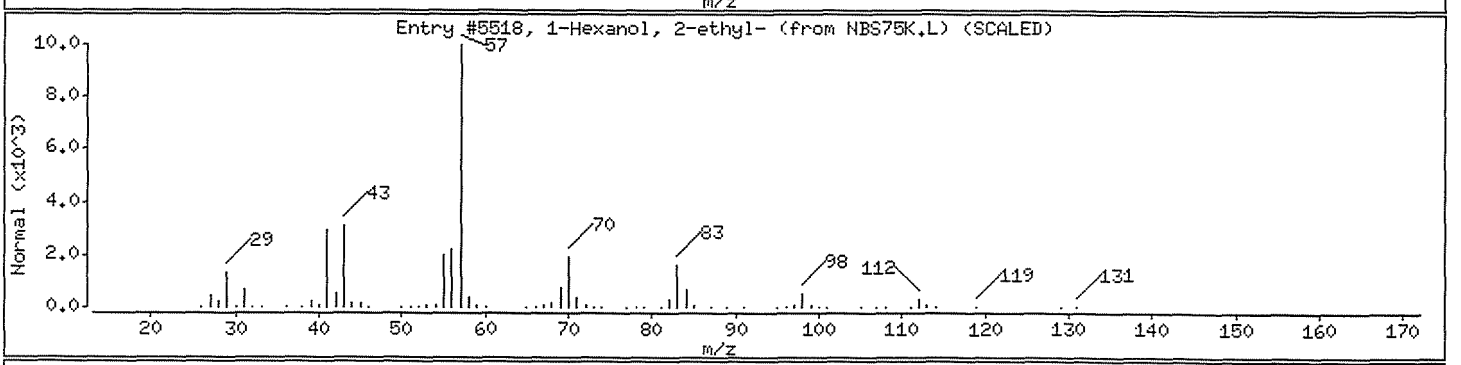
Operator: GFB

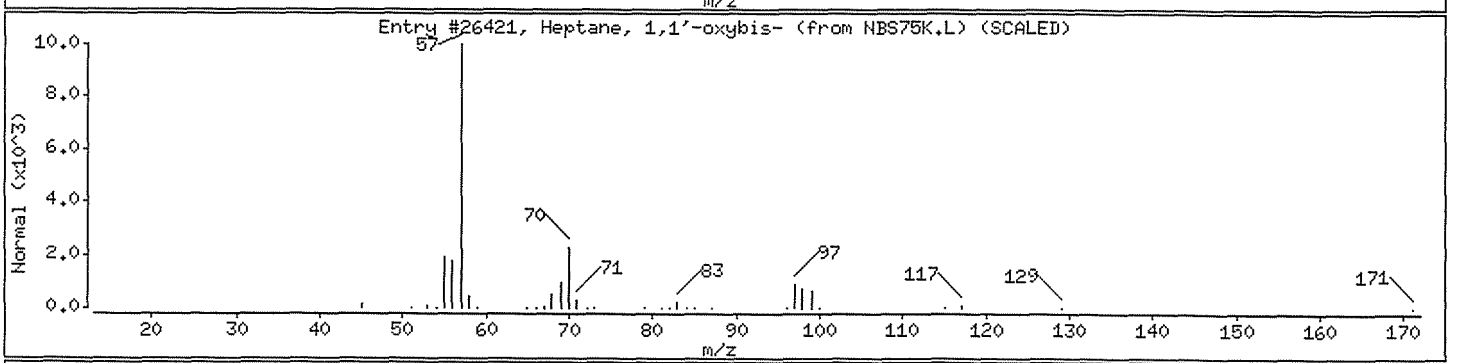
Column phase: J&W DB-624

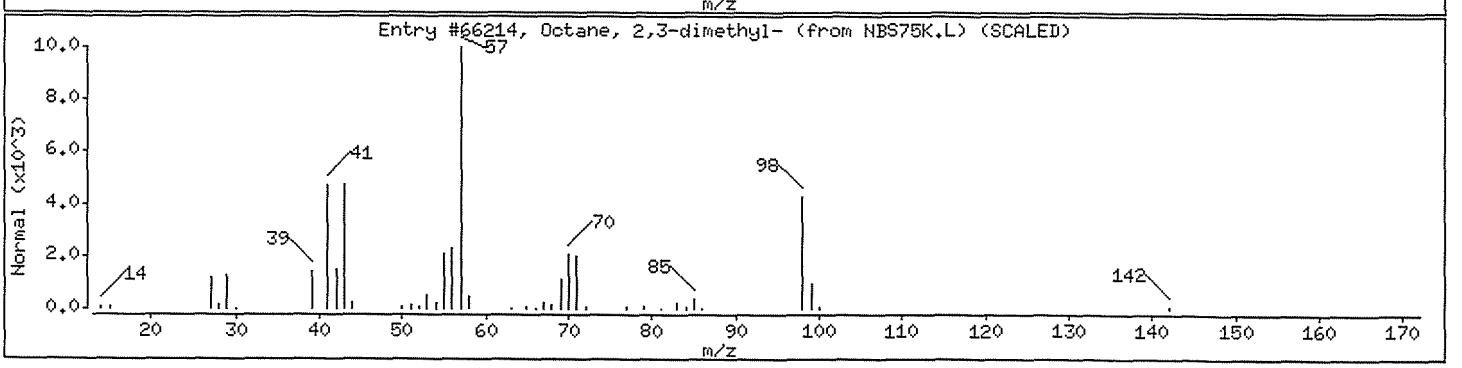
Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| Unknown Cycloalkane | | | | | | |
| 1-Hexanol, 2-ethyl- | 104-76-7 | NBS75K.L | 5518 | 78 | C8H18O | 130 |
| Heptane, 1,1'-oxybis- | 629-64-1 | NBS75K.L | 26421 | 59 | C14H30O | 214 |
| Octane, 2,3-dimethyl- | 7146-60-3 | NBS75K.L | 66214 | 45 | C10H22 | 142 |



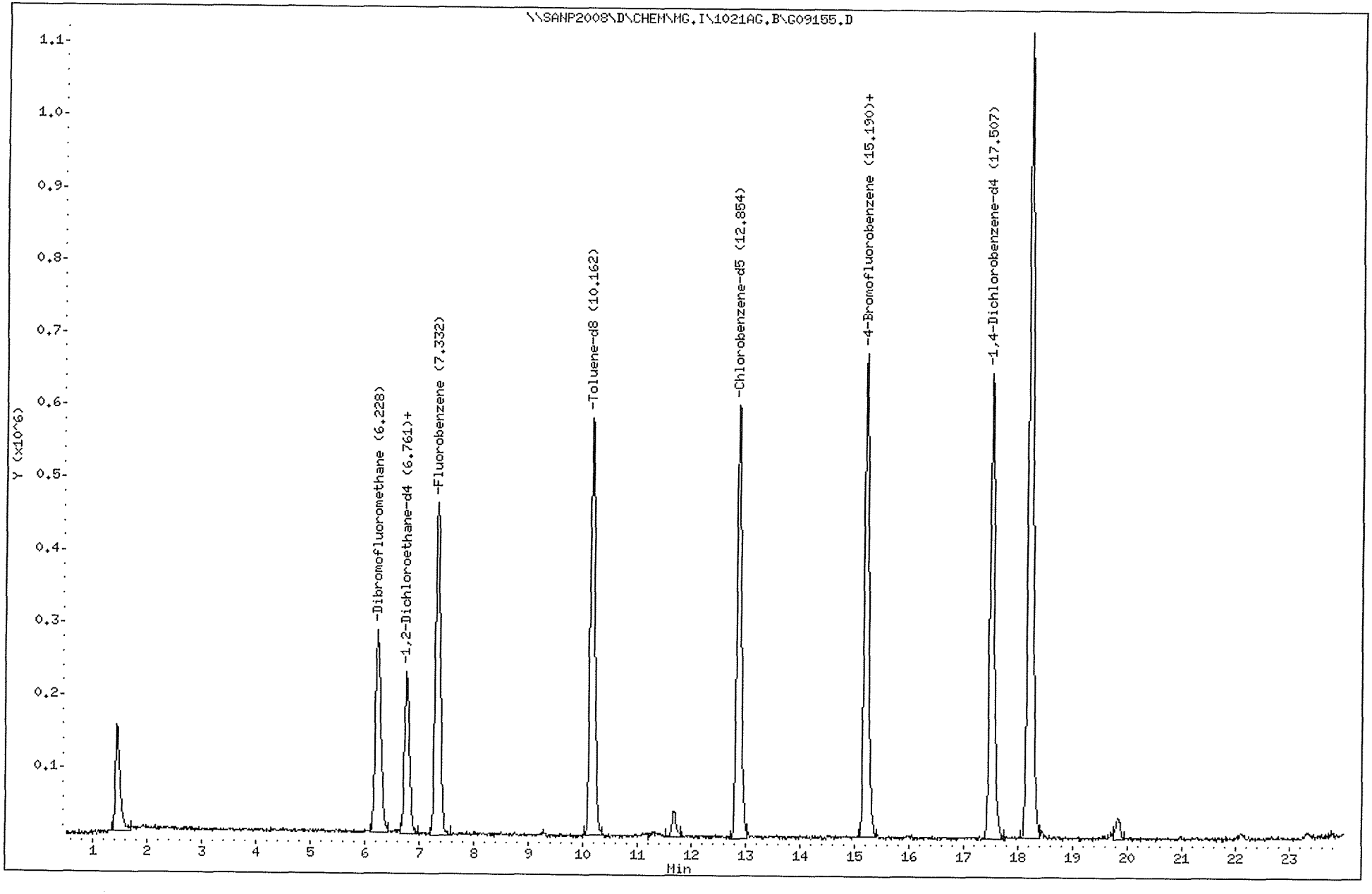
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09155.D
Date : 21-OCT-2000 15:51
Client ID: G09155
Sample Info: DLW5N101,,2,,0,1,0,8260BGS.M,G09155

Column phase: J&W DB-624

Instrument: mg.i

Operator: CFB
Column diameter: 0.53






000479

BOE-C6-0167600

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09155.D



Date : 21-OCT-2000 15:51

Client ID: G09155

Instrument: mg.i

Sample Info: DLW5N101,,2,,0,1,0,8260BGS.M,G09155

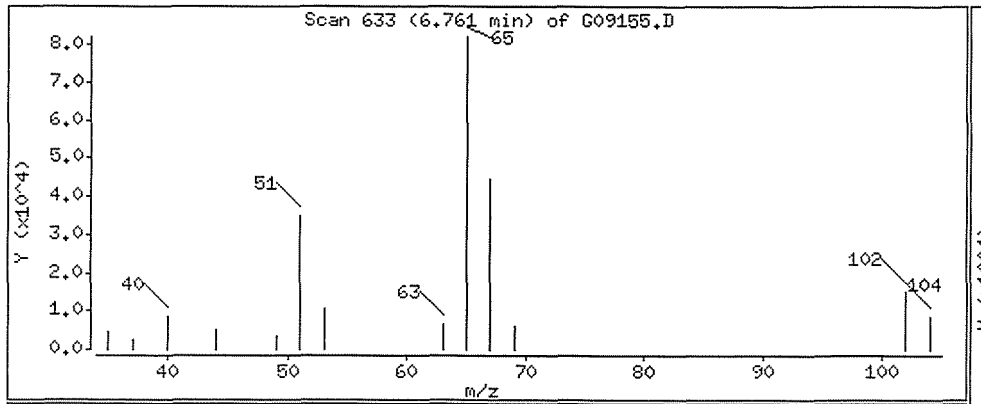
Operator: GFB

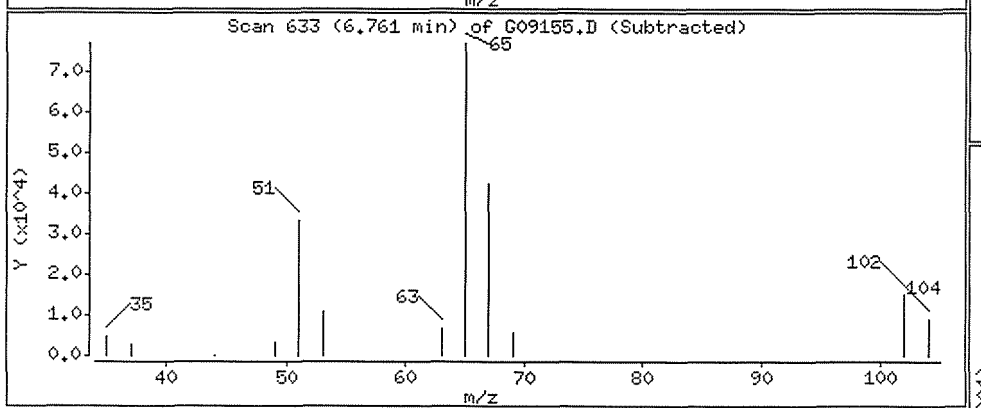
Column phase: J&W DB-624

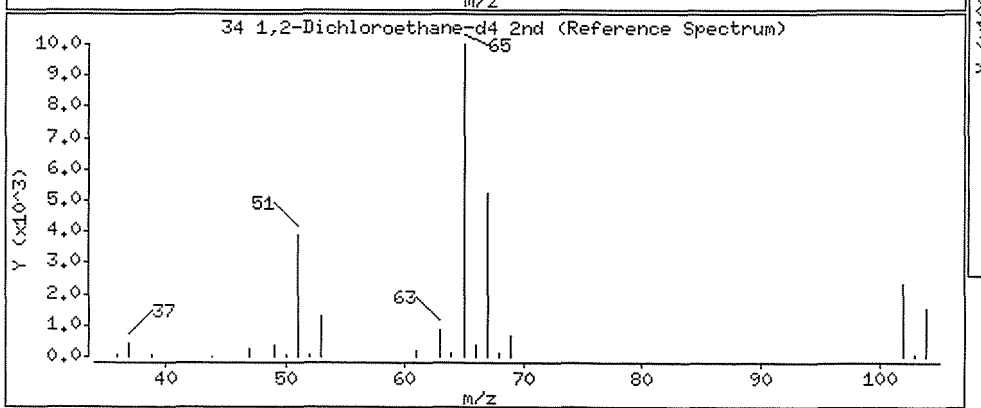
Column diameter: 0.53

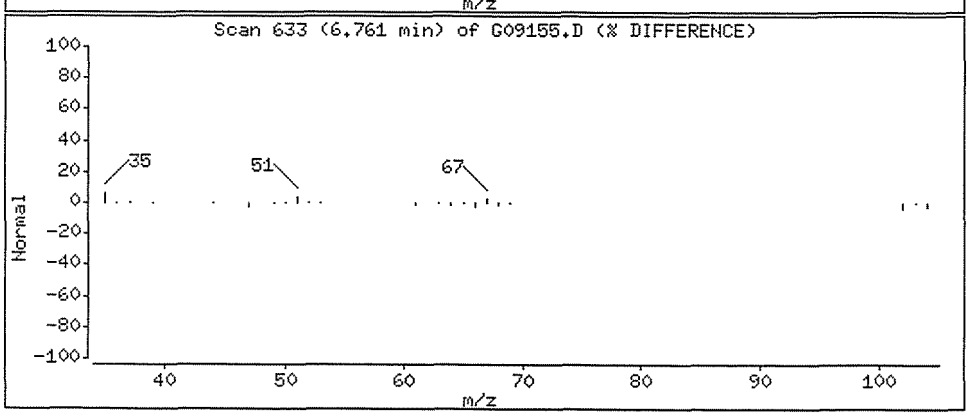
34 1,2-Dichloroethane-d4 2nd

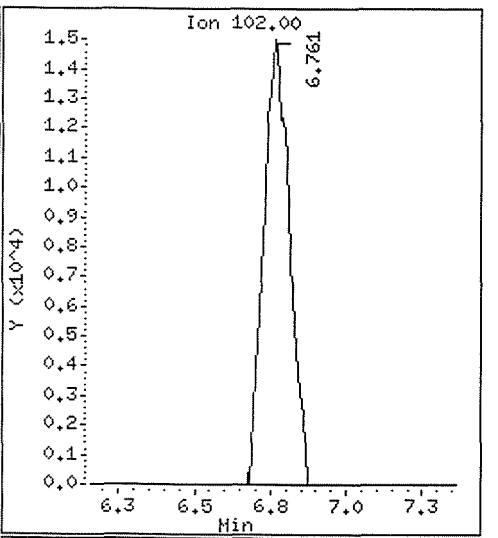
Concentration: 52.58 ug/Kg

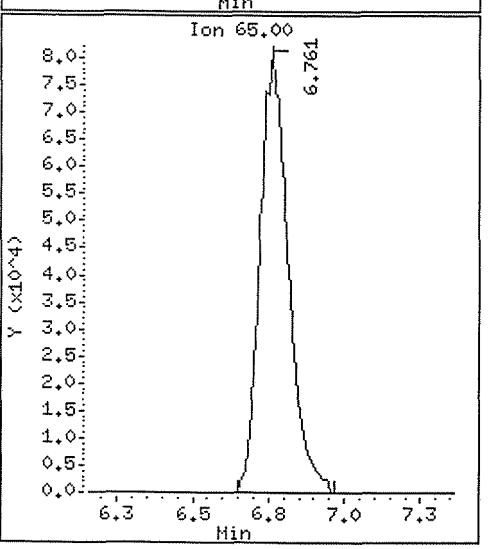


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09155.D

Date : 21-OCT-2000 15:51

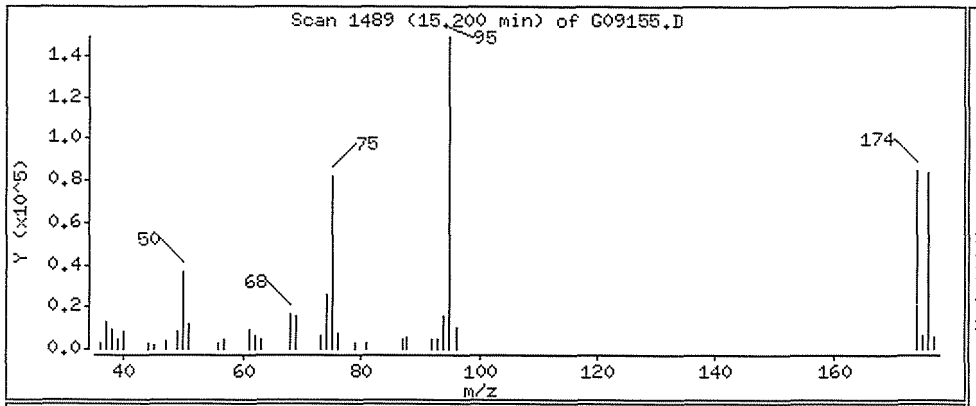
Client ID: G09155 Instrument: mg.i

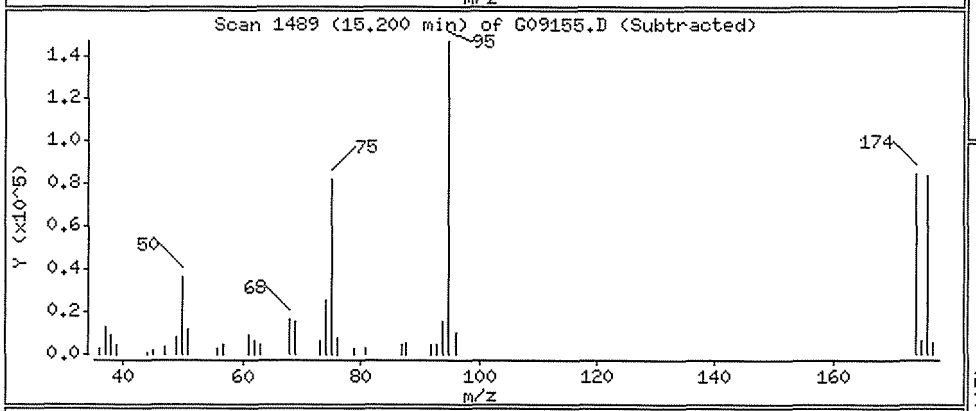
Sample Info: DLW5N101,,2,,0,1,0,8260BGS.M,G09155

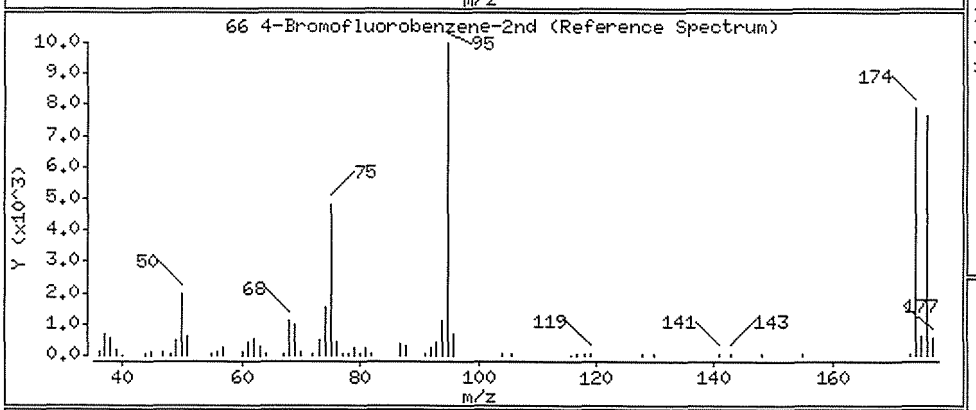
Operator: GFB

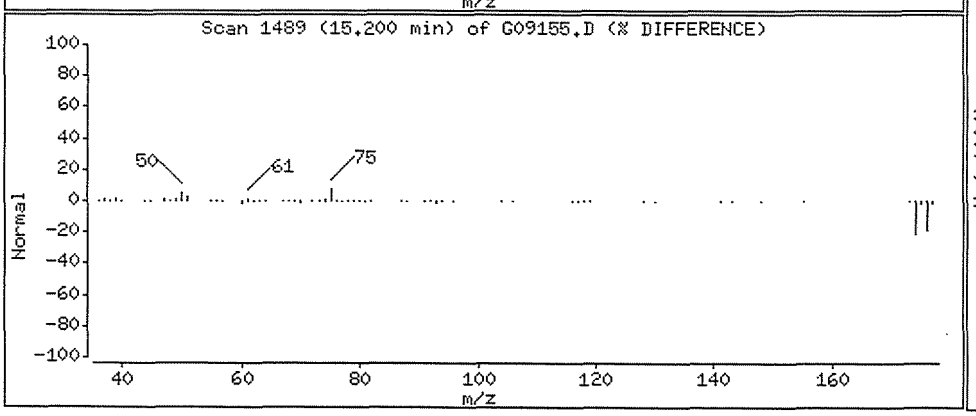
Column phase: J&W DB-624 Column diameter: 0.53

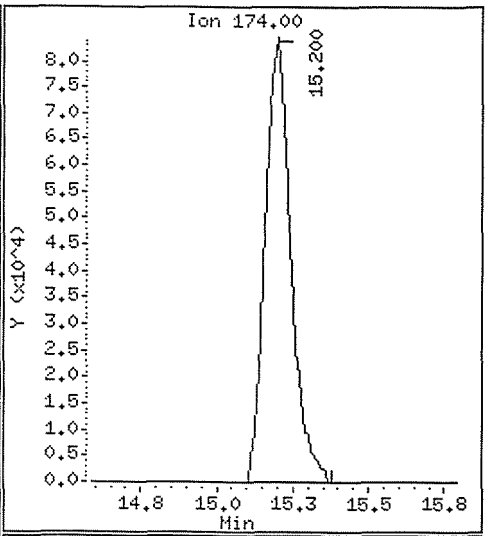
66 4-Bromofluorobenzene-2nd Concentration: 48.90 ug/Kg

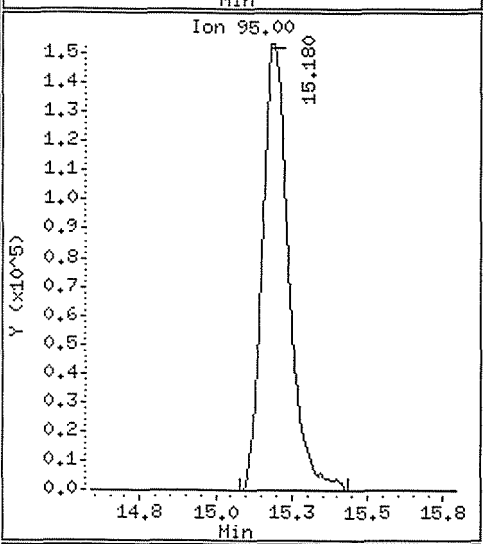


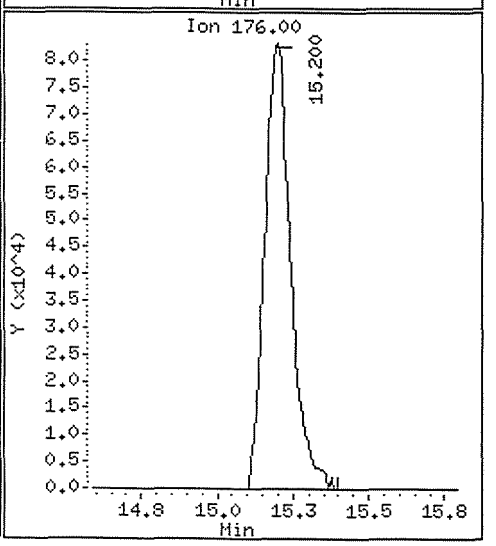



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021AG.B\G09156.D
Lab Smp Id: DLW5P101 Client Smp ID: G09156
Inj Date : 21-OCT-2000 16:26
Operator : GFB Inst ID: mg.i
Smp Info : DLW5P101,,2,,0,1,0,8260BGS.M,G09156
Misc Info : 272-5,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 21-Oct-2000 13:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.236 | 6.220 | (0.850) | 694106 | 49.2453 | 49.24 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.769 | 6.763 | (0.922) | 640136 | 57.2499 | 57.25 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.779 | 6.763 | (0.923) | 112010 | 63.5908 | 63.59 | |
| * 38 Fluorobenzene | 96 | 7.340 | 7.315 | (1.000) | 1223792 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.170 | 10.154 | (0.791) | 1249000 | 50.8624 | 50.86 | |
| * 56 Chlorobenzene-d5 | 117 | 12.862 | 12.865 | (1.000) | 994656 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.198 | 15.192 | (0.869) | 1013250 | 51.4715 | 51.47 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.198 | 15.192 | (0.869) | 546747 | 48.8433 | 48.84 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.496 | 17.509 | (1.000) | 600876 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW5P101
Operator : GFB
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09156
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. 104-76-7 | 1-Hexanol, 2-ethyl- | 18.205 | 20.36 | J |

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\chem\mg.i\1021AG.B\G09156.D
Lab Smp Id: DLW5P101 Client Smp ID: G09156
Inj Date : 21-OCT-2000 16:26
Operator : GFB Inst ID: mg.i
Smp Info : DLW5P101,,2,,0,1,0,8260BGS.M,G09156
Misc Info : 272-5,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021AG.B\8260BGS.m
Meth Date : 24-Oct-2000 17:27 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 79 1,4-Dichlorobenzene-d4 | 17.496 | 4123271 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| 1-Hexanol, 2-ethyl- | | | | CAS #: 104-76-7 | | | |
| 18.205 | 1679072 | 20.3609206 | 20.36 | 83 | NBS75K.L | 65289 | 79(L) |

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\SANP2008\D\chem\mg.i\1021AG.B\G09156.D



Date : 21-OCT-2000 16:26

Client ID: G09156

Instrument: mg.i

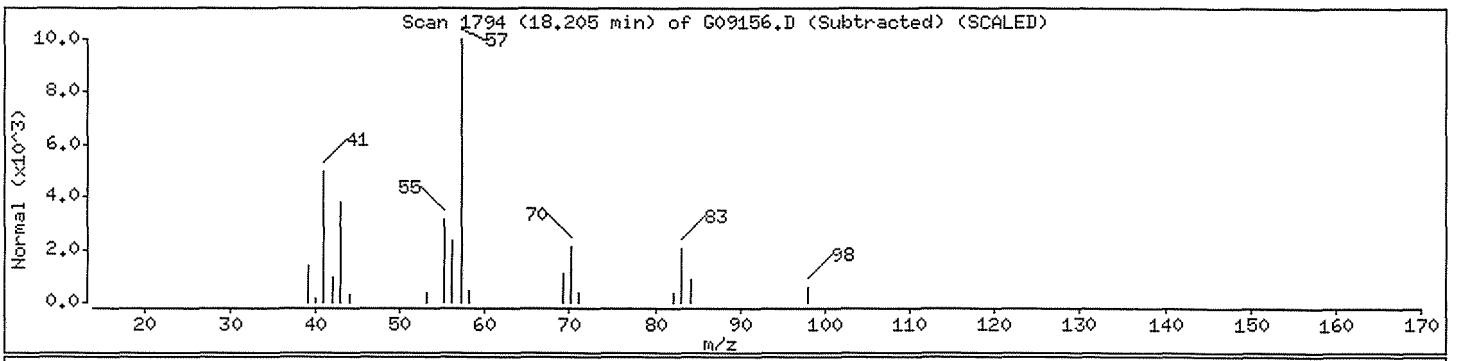
Sample Info: DLW5P101,,2,,0,1,0,8260BGS.M,G09156

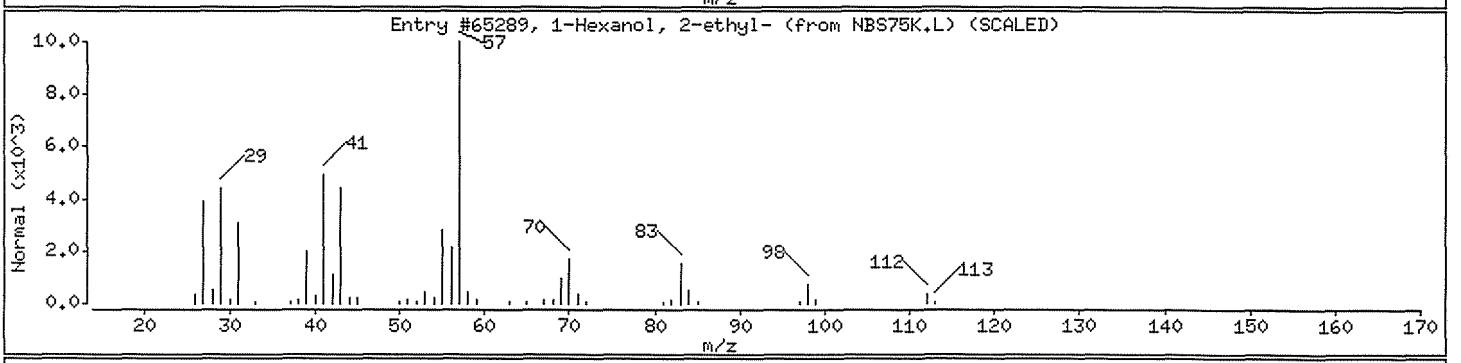
Operator: GFB

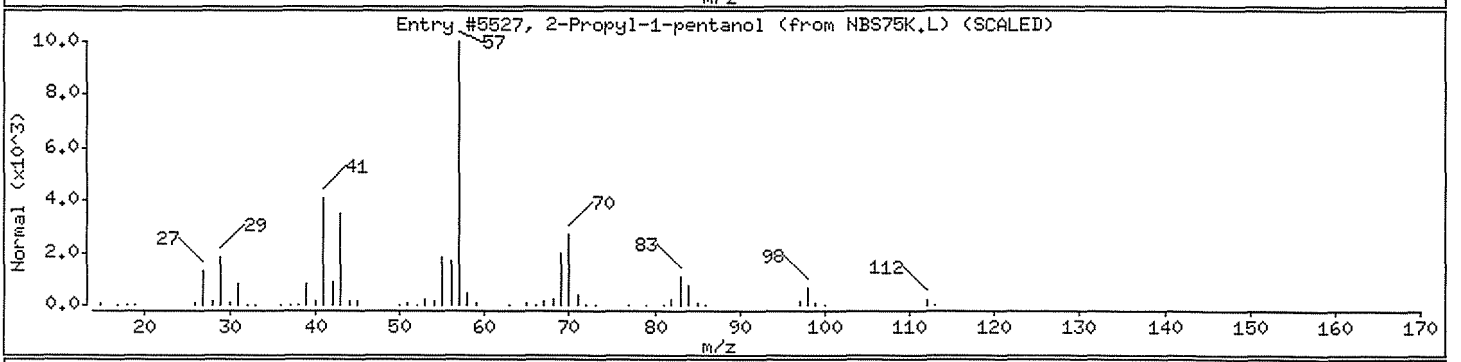
Column phase: J&W DB-624

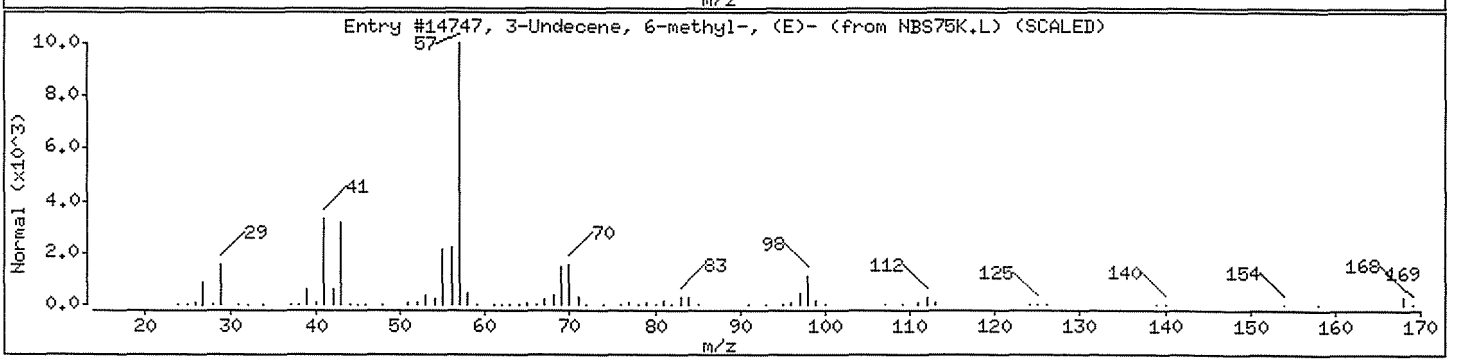
Column diameter: 0.53

| Library Search Compound Match | CAS Number | Library | Entry | Quality | Formula | Weight |
|---|---|---|---|---|---|---|
| 1-Hexanol, 2-ethyl- | 104-76-7 | NBS75K.L | 65289 | 83 | C8H18O | 130 |
| 2-Propyl-1-pentanol | 58175-57-8 | NBS75K.L | 5527 | 37 | C8H18O | 130 |
| 3-Undecene, 6-methyl-, (E)- | 74630-52-7 | NBS75K.L | 14747 | 37 | C12H24 | 168 |



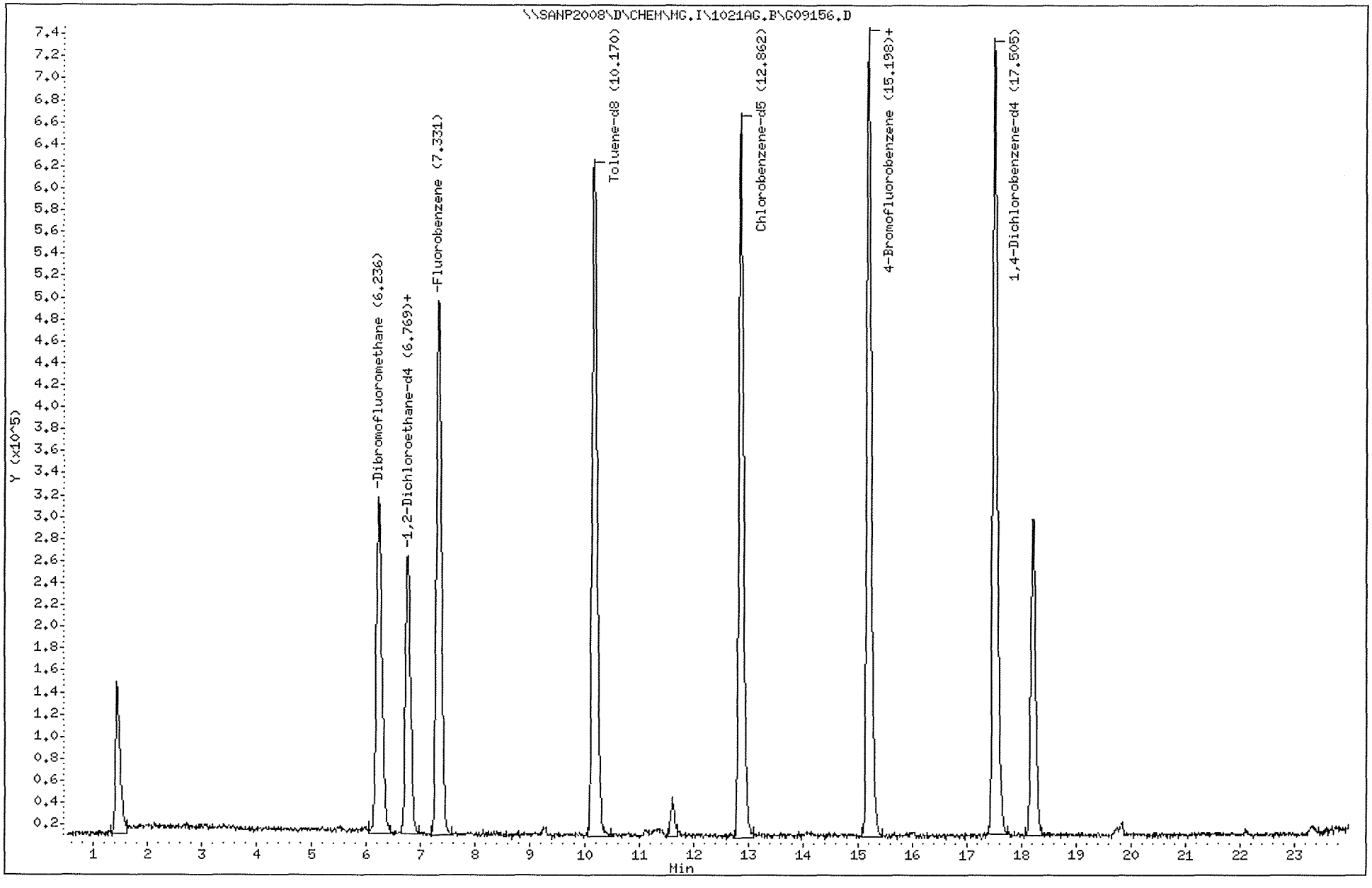
Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09156.D
Date : 21-OCT-2000 16:26
Client ID: G09156
Sample Info: DLW5P101,,2,,0,1,0,8260BGS.M,G09156

Instrument: mg.i

Operator: GFB

Column phase: J&W DB-624

Column diameter: 0.53




BOE-C6-0167607

000486

Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09156.D

Date : 21-OCT-2000 16:26

Client ID: G09156

Instrument: mg.i

Sample Info: DLW5P101,,2,,0,1,0,8260BGS.M,G09156

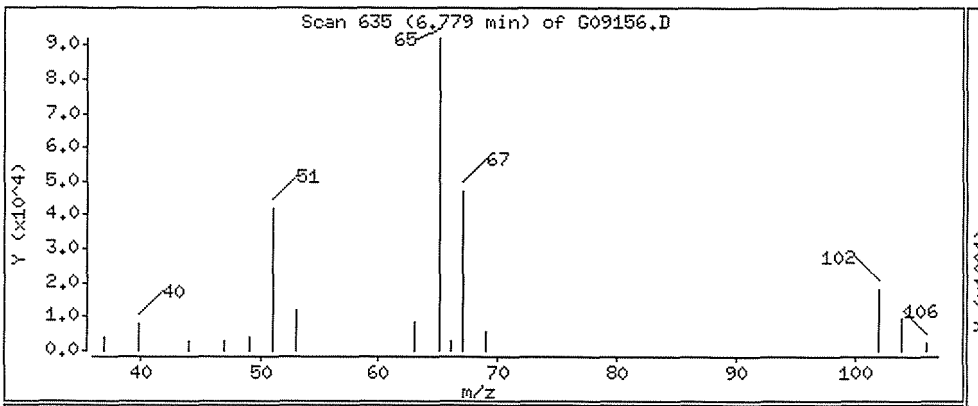
Operator: GFB

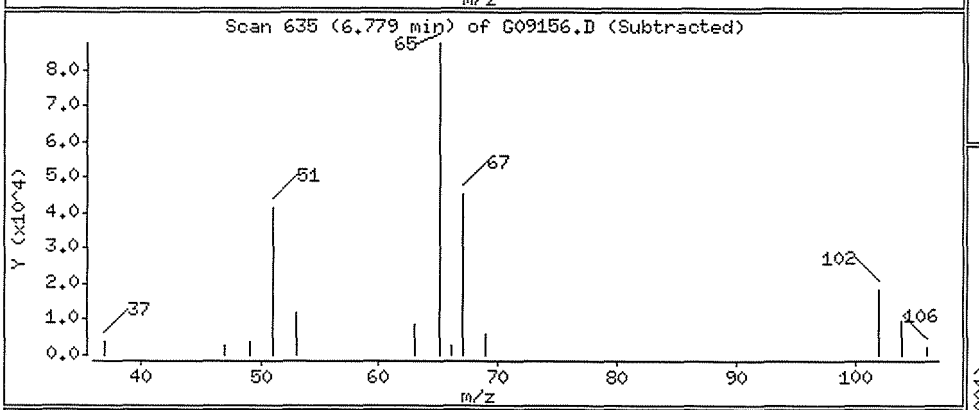
Column phase: J&W DB-624

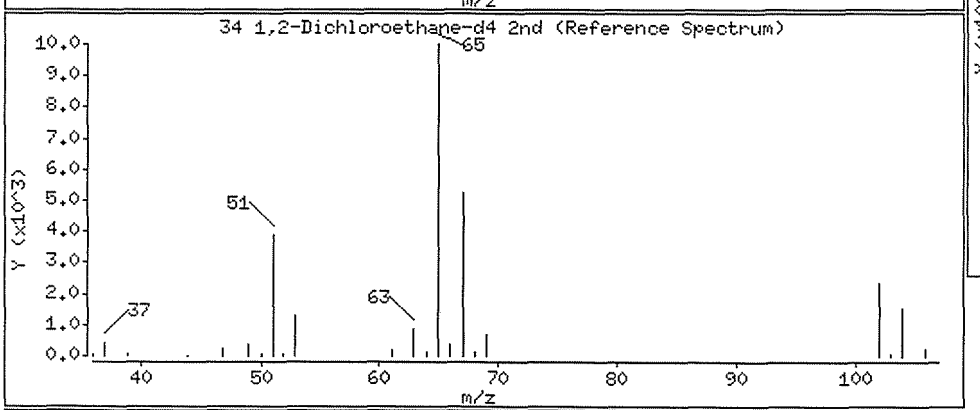
Column diameter: 0.53

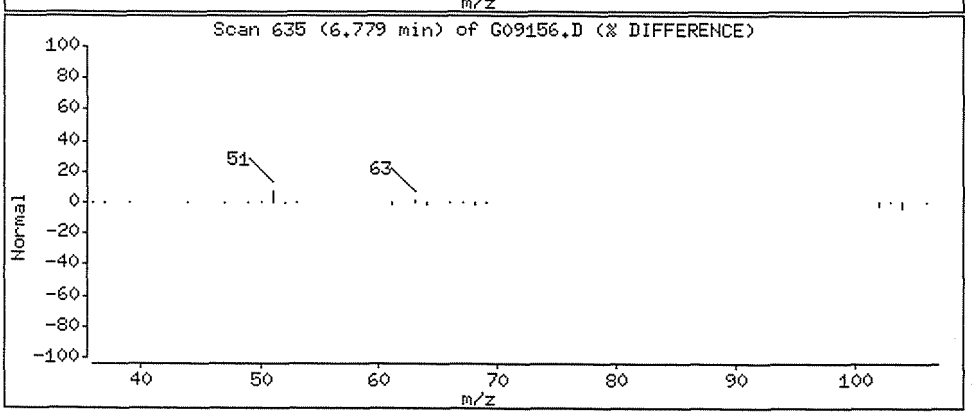
34 1,2-Dichloroethane-d4 2nd

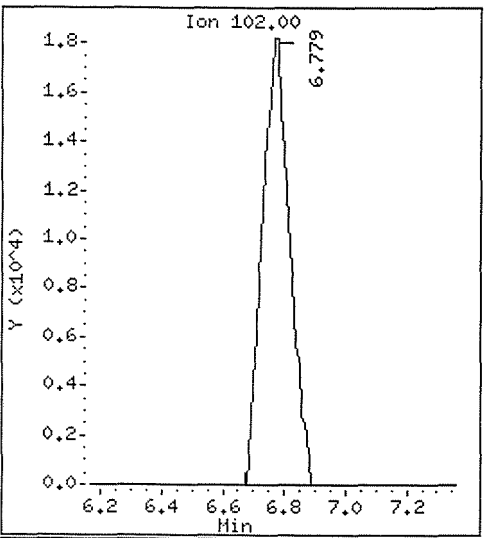
Concentration: 63.59 ug/Kg

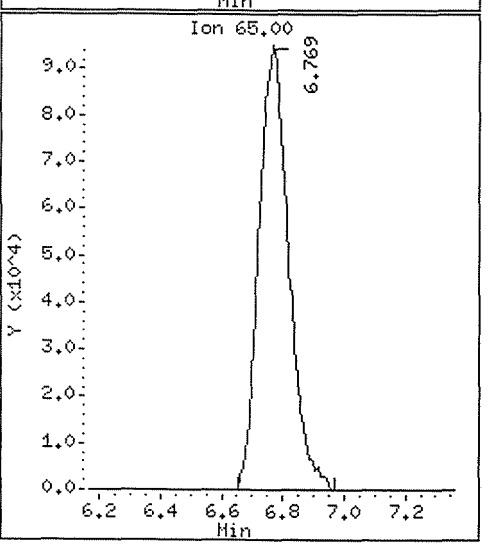


Data File: \\SANP2008\D\CHEM\MG.I\1021AG.B\G09156.D

Date : 21-OCT-2000 16:26

Client ID: G09156

Instrument: mg.i

Sample Info: DLW5P101,,2,,0,1,0,8260BGS.M,G09156

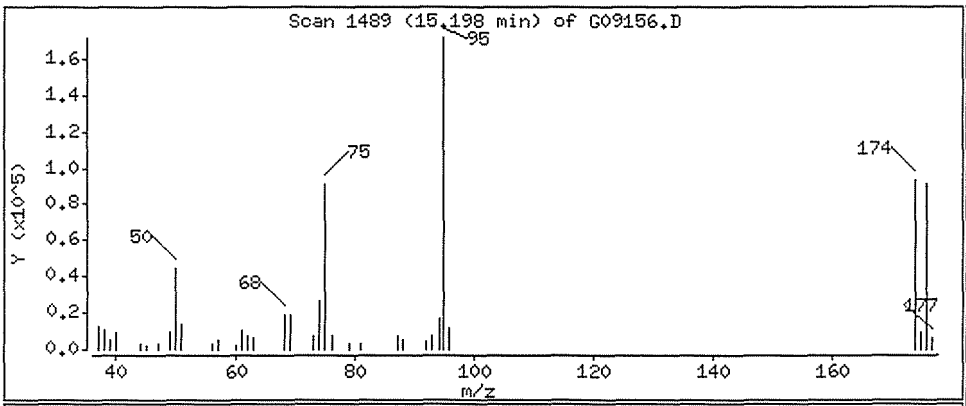
Operator: GFB

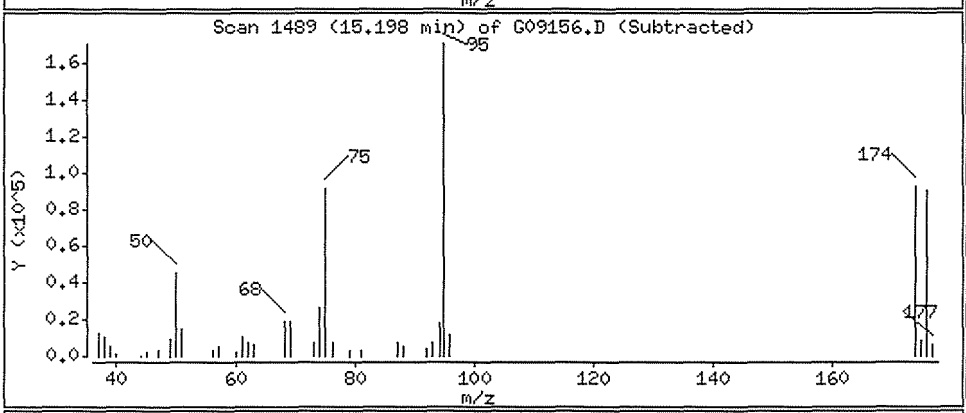
Column phase: J&W DB-624

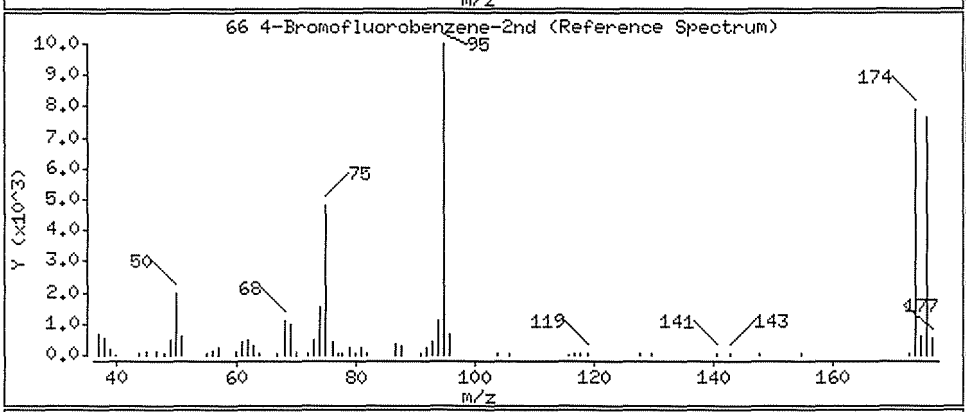
Column diameter: 0.53

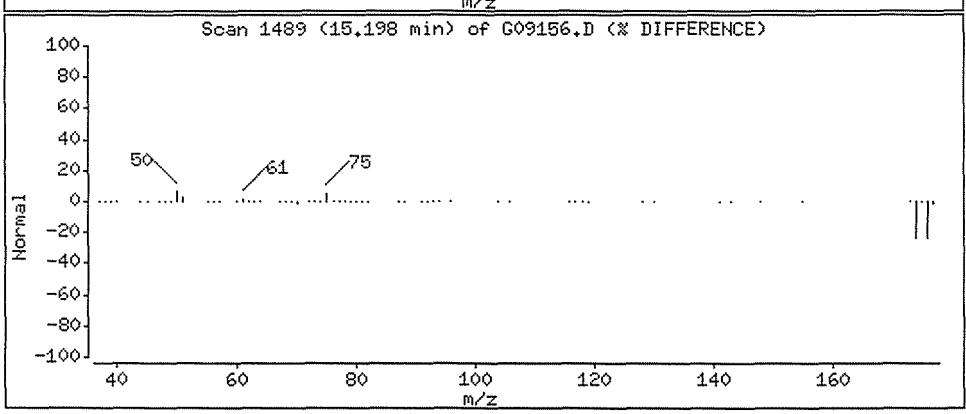
66 4-Bromofluorobenzene-2nd

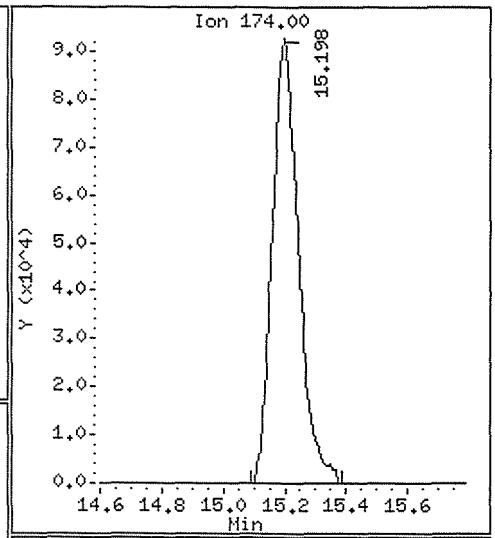
Concentration: 48.84 ug/Kg

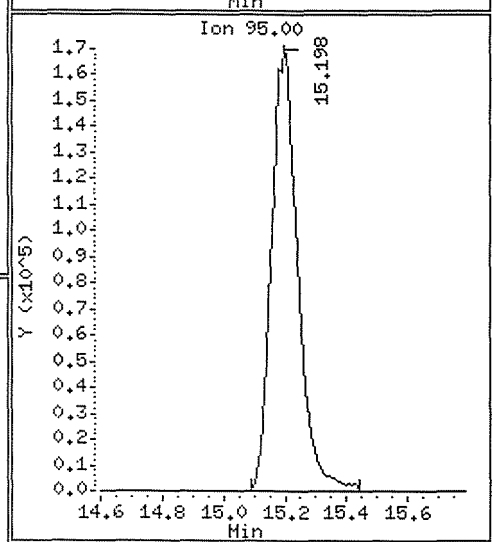


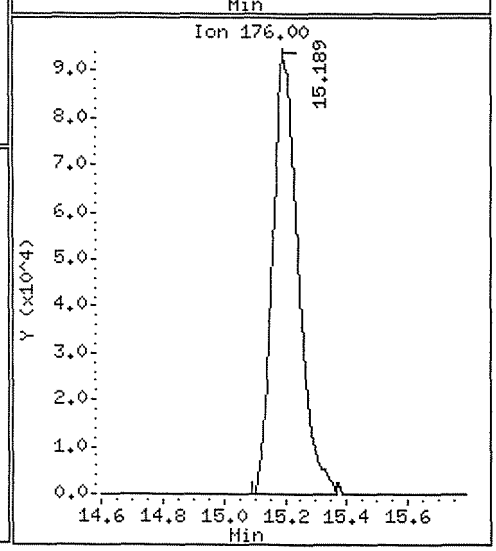



# 8260B SAMPLE / QC DATA

DATE ANALYZED: 102100

INSTRUMENT ID: MSG

SAMPLES: EO3100272 6→20



BOE-C6-0167610

STL Los Angeles

Batch ID: 0298634

# GC/MS VOA Run Log

FJK 10/26/00

☐ EPA 524.2 ☐ EPA 624 ☑ SW8260B [SOP: CORP-MS-0002 Rev 2] ☐ 5030B ☐ 5035

| Inst ID: MSG | EM Set: 1294 | Tune File: BFB.U | Seq File: 10/21 BG |
|---|---|---|---|
| Init. Cal ID: 8260BGS 10-19-2000 | | | Date: 10/21/2000 PM |

| Inj. Time | Analyst | File ID | Work Order # | AS # | Matrix | Sample Wt/Vol | Dil. | I.S. | Run | Rerun | pH | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22:43 | AD | GT1376 | 50ng BFB | | | 1 µL | | | V | | | MSVOA1265-2 |
| 23:07 | | G52308 | 50 ppb 8260B | 1 | S | 5g | | 151 | V | | | STD1229-2 ' I53-2A |
| 23:44 | | G09167 | LCS 102136 | 2 | | | 10 | 142 | V | | | QC1271-2 |
| 0:21 | | 168 | MB-102136 | 3 | | | | 126 | — | | | |
| 1:04 | | 69 | DLW512101 | 4 | | | | 130 | — | | | EQJ100272-6 |
| 1:38 | | 70 | DLW512025 | 5 | | | | 129 | V | | | -6MS |
| 2:13 | | 71 | DLW512030 | 6 | | | | 129 | V | | | -6MD |
| 2:47 | | 72 | DLW5V101 | 7 | | | | 129 | — | | | -7 |
| 3:22 | | 73 | DLW6010' | 8 | | | | 114 | — | | | -8 |
| 3:58 | | 74 | DLW6210' | 9 | | | | 133 | — | | | -9 |
| 4:30 | | 75 | DLW6310' | 10 | | | | 127 | — | | | -10 |
| 5:05 | | 76 | DLW6510' | 11 | | | | 129 | — | | | -11 |
| 5:39 | | 77 | DLW6910' | 12 | | | | 131 | — | | | -12 |
| 6:13 | | 78 | DLW6C10' | 13 | | | | 129 | — | | | -13 |
| ~~6:49~~ | 6:48 | 79 | DLW6D10' | 14 | | | | ~~146~~ | — | 131 | | -14 |
| ~~7:15~~ | 7:22 | 80 | DLW6E10' | 15 | | | | ~~138~~ | — | 130 | | -15 |
| ~~7:47~~ | 7:57 | 81 | DLW6F10' | 16 | | | | ~~123~~ | — | 126 | | -16 |
| ~~8:17~~ | 8:31 | 82 | DLW6G10' | 17 | | | | ~~140~~ | — | 126 | | -17 |
| ~~8:50~~ | 9:06 | 83 | DLW6J10' | 18 | | | | ~~141~~ | — | 129 | | -18 |
| ~~9:22~~ | 9:40 | 84 | DLW6L10' | 19 | | | | 137 | — | 130 | | -19 |
| ~~9:54~~ | 10:15 | 85 | DLW6M10' | 20 | | | | 138 | — | 131 | | -20 |
| ~~10:26~~ | 10:49 | 86 | DLW6P10' | 21 | | | | 138 | N | | | OUT OF TUNE -21 |
| | | G09187 | DLW6T10' | 22 | | | | | | | | NOT RUN -22 |

10-22-00

000490



BOE-C6-016761

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA06253

Lab File ID (Standard): GS2308 Date Analyzed: 10/21/00

Instrument ID: MG Time Analyzed: 2303

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

| | | IS1 AREA # | RT | IS2(CBZ) AREA # | RT | IS3(DCB) AREA # | RT |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1511490 | 7.27 | 1052862 | 12.82 | 600046 | 17.46 |
| | UPPER LIMIT | 3022980 | 7.77 | 2105724 | 13.32 | 1200092 | 17.96 |
| | LOWER LIMIT | 755745 | 6.77 | 526431 | 12.32 | 300023 | 16.96 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | G09167 | 1423429 | 7.28 | 1062742 | 12.81 | 627674 | 17.46 |
| 02 | G09168 | 1263261 | 7.29 | 1027610 | 12.81 | 587964 | 17.46 |
| 03 | G09169 | 1501927 | 7.29 | 1041445 | 12.81 | 587970 | 17.45 |
| 04 | G09170 | 1297461 | 7.30 | 1039186 | 12.81 | 595697 | 17.45 |
| 05 | G09171 | 1292017 | 7.29 | 1014514 | 12.81 | 593835 | 17.45 |
| 06 | G09172 | 1298223 | 7.29 | 998813 | 12.81 | 581697 | 17.46 |
| 07 | G09173 | 1146198 | 7.34 | 757716 | 12.82 | 383460 | 17.45 |
| 08 | G09174 | 1334832 | 7.29 | 1047905 | 12.81 | 609356 | 17.44 |
| 09 | G09175 | 1279809 | 7.29 | 993844 | 12.80 | 571083 | 17.44 |
| 10 | G09176 | 1295032 | 7.28 | 1007796 | 12.80 | 602348 | 17.44 |
| 11 | G09177 | 1311115 | 7.27 | 1054614 | 12.80 | 614880 | 17.45 |
| 12 | G09178 | 1294363 | 7.28 | 1055908 | 12.79 | 615793 | 17.43 |
| 13 | G09179 | 1314195 | 7.28 | 1067094 | 12.79 | 613334 | 17.44 |
| 14 | G09180 | 1331364 | 7.28 | 1075117 | 12.79 | 628785 | 17.43 |
| 15 | G09181 | 1261635 | 7.28 | 997785 | 12.79 | 542661 | 17.43 |
| 16 | G09182 | 1265913 | 7.29 | 995482 | 12.79 | 585048 | 17.44 |
| 17 | G09183 | 1297283 | 7.27 | 997458 | 12.79 | 563077 | 17.42 |
| 18 | G09184 | 1306514 | 7.27 | 1049813 | 12.80 | 604942 | 17.44 |
| 19 | G09185 | 1315817 | 7.27 | 1036025 | 12.80 | 577249 | 17.44 |
| 20 | G09186 | 1317220 | 7.27 | 1048724 | 12.79 | 598402 | 17.45 |
| 21 | | | | | | | |
| 22 | | | | | | | |

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

# Column used to flag internal standard area values with an asterisk.



FORM VIII VOA 1/87 Rev.

STL Los Angeles

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\GT1376.D
Lab Smp Id:
Inj Date : 21-OCT-2000 22:43
Operator : AD Inst ID: mg.i
Smp Info : 50ng bfb,,,,,,bfb.M
Misc Info : EM1847;1265-2,,,3,all.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\BFB.M
Meth Date : 23-May-2000 08:19 gradyc Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.00 Sample Matrix: WATER
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * Vf * VI

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | ng unit correction factor |
| Vf | 1.000 | Volumetric correction factor |
| VI | 1.000 | Injection Volume |

| RT | EXP RT | (REL RT) | MASS | RESPONSE | CONCENTRATIONS ON-COL ( ug/L) | CONCENTRATIONS FINAL ( ug/L) | TARGET RANGE | RATIO |
|---|---|---|---|---|---|---|---|---|
| 1 Bromofluorobenzene | | | | | | CAS #: 460-00-4 | | |
| 1.8708 | 1.8000 | (0.000) | 95 | 103112 | | | 0.00- 100.00 | 100.00 |
| 1.8708 | 1.8000 | (0.000) | 50 | 26117 | | | 15.00- 40.00 | 25.33 |
| 1.8708 | 1.8000 | (0.000) | 75 | 53450 | | | 30.00- 60.00 | 51.84 |
| 1.8708 | 1.8000 | (0.000) | 96 | 6617 | | | 5.00- 9.00 | 6.42 |
| 1.8708 | 1.8000 | (0.000) | 173 | 0 | | | 0.00- 2.00 | 0.00 |
| 1.8708 | 1.8000 | (0.000) | 174 | 54872 | | | 50.00- 0.00 | 53.22 |
| 1.8708 | 1.8000 | (0.000) | 175 | 4415 | | | 5.00- 9.00 | 8.05 |
| 1.8708 | 1.8000 | (0.000) | 176 | 53981 | | | 95.00- 101.00 | 98.38 |
| 1.8708 | 1.8000 | (0.000) | 177 | 3970 | | | 5.00- 9.00 | 7.35 |

AM 10/27/2000

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\GT1376.D



Date : 21-OCT-2000 22:43

Client ID:

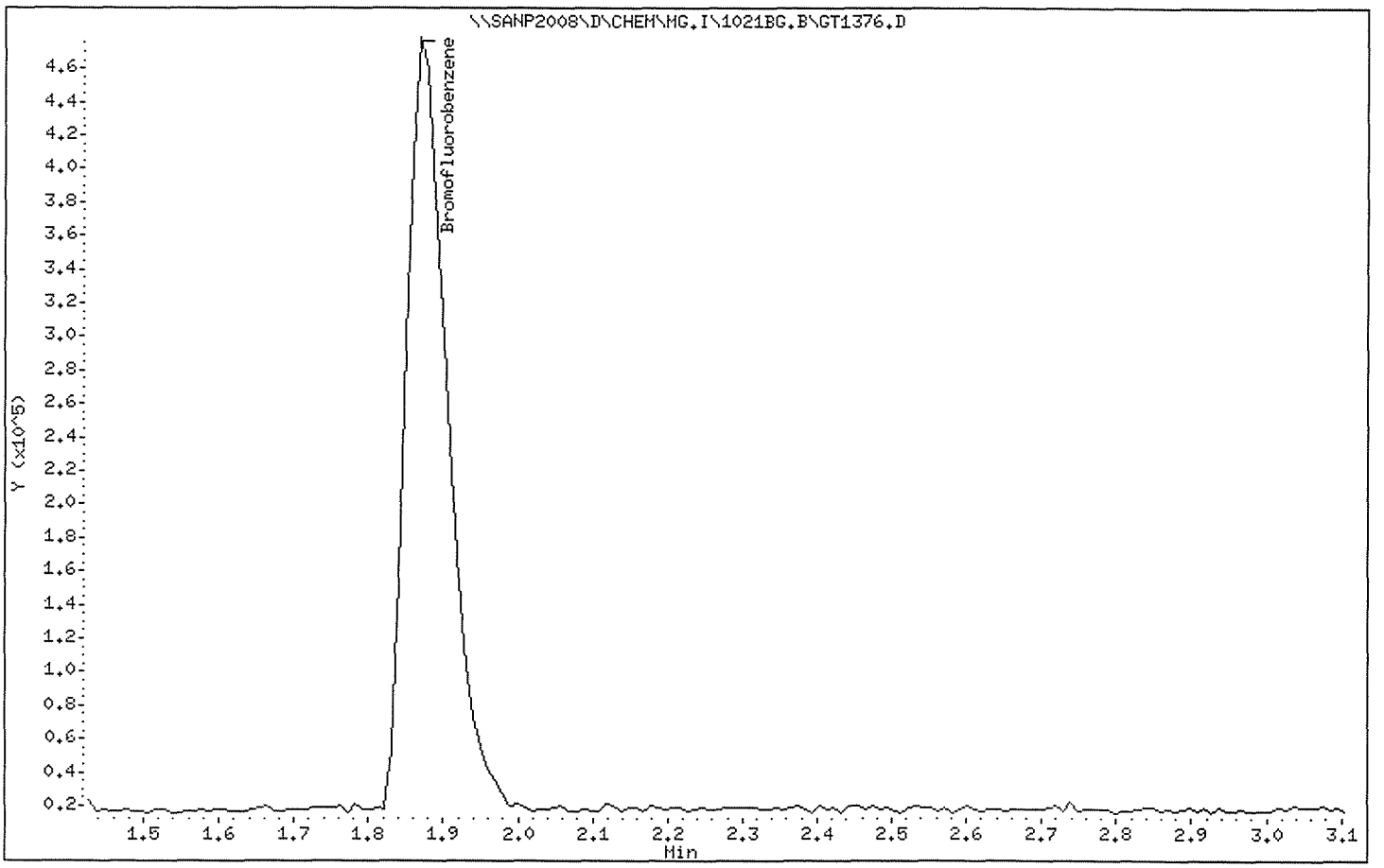
Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53



Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\GT1376.D

Date : 21-OCT-2000 22:43

Client ID:

Instrument: mg.i

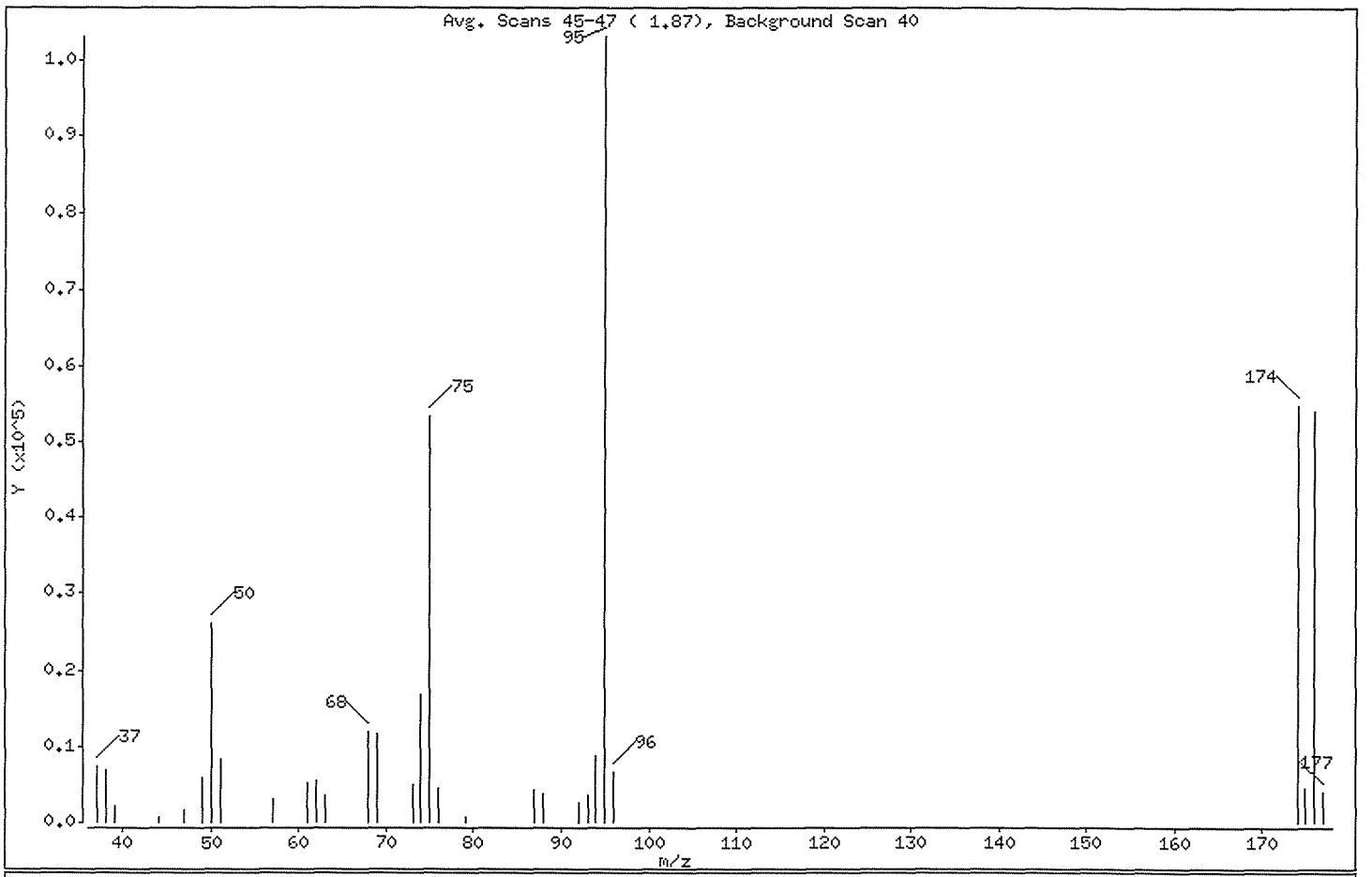
Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

1 Bromofluorobenzene




| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 95 | Base Peak, 100% relative abundance | 100.00 |
| 50 | 15.00 - 40.00% of mass 95 | 25.33 |
| 75 | 30.00 - 60.00% of mass 95 | 51.84 |
| 96 | 5.00 - 9.00% of mass 95 | 6.42 |
| 173 | Less than 2.00% of mass 174 | 0.00 ( 0.00) |
| 174 | Greater than 50.00% of mass 95 | 53.22 |
| 175 | 5.00 - 9.00% of mass 174 | 4.28 ( 8.05) |
| 176 | 95.00 - 101.00% of mass 174 | 52.35 ( 98.38) |
| 177 | 5.00 - 9.00% of mass 176 | 3.85 ( 7.35) |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\GT1376.D

Date : 21-OCT-2000 22:43

Client ID:

Instrument: mg.i

Sample Info: 50ng bfb,,,,,,bfb.M

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

Data File: GT1376.D
Spectrum: Avg. Scans 45-47 ( 1.87), Background Scan 40
Location of Maximum: 95.00
Number of points: 30

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|---|---|---|---|---|---|---|---|
| 37.00 | 7331 | 57.00 | 3198 | 75.00 | 53448 | 95.00 | 103112 |
| 38.00 | 6861 | 61.00 | 5148 | 76.00 | 4433 | 96.00 | 6617 |
| 39.00 | 2073 | 62.00 | 5380 | 79.00 | 727 | 174.00 | 54872 |
| 44.00 | 605 | 63.00 | 3479 | 87.00 | 4238 | 175.00 | 4415 |
| 47.00 | 1728 | 68.00 | 11866 | 88.00 | 3911 | 176.00 | 53976 |
| 49.00 | 5898 | 69.00 | 11669 | 92.00 | 2550 | 177.00 | 3970 |
| 50.00 | 26112 | 73.00 | 5016 | 93.00 | 3560 | | |
| 51.00 | 8290 | 74.00 | 16928 | 94.00 | 8762 | | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2308.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m

Injection Date: 21-OCT-2000 23:03
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

| | COMPOUND | RRF | RF50 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|---|
| | 1 Dichlorodifluoromethane | 0.46420 | 0.27685 | 0.010 | -40.4 | 50.0 |
| | 3 Chloromethane (**) | 0.34566 | 0.30197 | 0.100 | -12.6 | 50.0 |
| | 2 Vinyl chloride (*) | 0.36047 | 0.31414 | 0.010 | -12.9 | 20.0 |
| | 4 Bromomethane | 0.16537 | 0.19670 | 0.010 | 19.0 | 50.0 |
| | 5 Chloroethane | 0.13763 | 0.19310 | 0.010 | 40.3 | 50.0 |
| | 6 Trichlorofluoromethane | 0.55521 | 0.64761 | 0.010 | 16.6 | 50.0 |
| | 7 Acrolein | 0.02876 | 0.02501 | 0.001 | -13.1 | 50.0 |
| | 8 1,1-Dichloroethene(*) | 0.25243 | 0.26832 | 0.010 | 6.3 | 20.0 |
| | 9 1,1,2-Trichlorotrifluoroeth | 0.35918 | 0.36613 | 0.010 | 1.9 | 50.0 |
| | 10 Acetone | 0.09673 | 0.10633 | 0.010 | 9.9 | 50.0 |
| | 11 Iodomethane | 0.53186 | 0.58575 | 0.001 | 10.1 | 50.0 |
| | 12 Carbon disulfide | 0.99982 | 0.87691 | 0.010 | -12.3 | 50.0 |
| | 13 Methylene chloride | 0.30813 | 0.33022 | 0.010 | 7.2 | 50.0 |
| | 14 t-Butanol | 0.00803 | 0.00945 | 0.001 | 17.6 | 20.0 |
| | 16 Acrylonitrile | 0.08506 | 0.08937 | 0.001 | 5.1 | 20.0 |
| | 15 trans-1,2-Dichloroethene | 0.30349 | 0.33062 | 0.010 | 8.9 | 50.0 |
| | 19 Vinyl acetate | 1.20899 | 1.41768 | 0.010 | 17.3 | 50.0 |
| | 17 Methyl-tert-butyl ether[MTB | 0.83613 | 0.98232 | 0.010 | 17.5 | 50.0 |
| | 18 1,1-Dichloroethane (**) | 0.68835 | 0.76499 | 0.100 | 11.1 | 50.0 |
| | 20 Isopropyl ether | 1.56726 | 1.84387 | 0.010 | 17.6 | 20.0 |
| | 22 Tert-butyl ethyl ether | 1.25390 | 1.49241 | 0.010 | 19.0 | 20.0 |
| | 21 2,2-Dichloropropane | 0.56113 | 0.69313 | 0.010 | 23.5 | 50.0 |
| | 23 cis-1,2-Dichloroethene | 0.32212 | 0.35124 | 0.010 | 9.0 | 50.0 |
| | 24 2-Butanone | 0.19635 | 0.20520 | 0.010 | 4.5 | 50.0 |
| | 25 Bromochloromethane | 0.18702 | 0.20663 | 0.010 | 10.5 | 50.0 |
| | 27 Tetrahydrofuran | 0.13360 | 0.14904 | 0.010 | 11.6 | 50.0 |
| | 26 Chloroform (*) | 0.70219 | 0.77179 | 0.010 | 9.9 | 20.0 |
| M | 28 1,2-Dichloroethene (total) | 0.31281 | 0.34093 | 0.010 | 9.0 | 50.0 |
| $ | 29 Dibromofluoromethane | 0.57587 | 0.59039 | 0.010 | 2.5 | 50.0 |
| | 30 1,1,1-Trichloroethane | 0.56932 | 0.65125 | 0.010 | 14.4 | 50.0 |
| | 31 Carbon Tetrachloride | 0.52227 | 0.59069 | 0.010 | 13.1 | 50.0 |
| | 32 1,1-Dichloropropene | 0.53757 | 0.58050 | 0.010 | 8.0 | 50.0 |
| $ | 33 1,2-Dichloroethane-d4 | 0.45684 | 0.46590 | 0.010 | 2.0 | 50.0 |
| | 34 1,2-Dichloroethane-d4 2nd | 0.07197 | 0.08160 | 0.010 | 13.4 | 50.0 |
| | 35 Benzene | 0.98881 | 0.96527 | 0.010 | -2.4 | 50.0 |

BM 10/21/2000

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i
Lab File ID: GS2308.D
Analysis Type: SOIL
Lab Sample ID: 50 PPB 8260B
Method: \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m

Injection Date: 21-OCT-2000 23:03
Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Init. Cal. Times: 22:09 00:29
Quant Type: ISTD

| | COMPOUND | RRF | RF50 | MIN RRF | %D | MAX %D | |
|---|---|---|---|---|---|---|---|
| | 36 1,2-Dichloroethane | 0.51519 | 0.55079 | 0.010 | 6.9 | 50.0 | |
| | 37 Tert-amyl methyl ether | 1.00114 | 1.04029 | 0.010 | 3.9 | 20.0 | |
| | 39 Trichloroethene | 0.37451 | 0.41442 | 0.010 | 10.7 | 50.0 | |
| | 40 1,2-Dichloropropane(*) | 0.46264 | 0.51918 | 0.010 | 12.2 | 20.0 | |
| | 41 Dibromomethane | 0.33793 | 0.35856 | 0.010 | 6.1 | 50.0 | |
| | 42 Bromodichloromethane | 0.73591 | 0.79483 | 0.010 | 8.0 | 50.0 | |
| | 44 2-Chloroethylvinyl ether | 0.04854 | 0.06201 | 0.010 | 27.7 | 20.0 | <- |
| | 43 1-Bromo-2-chloroethane | 0.87901 | 0.88244 | 0.010 | 0.4 | 50.0 | |
| | 45 cis-1,3-Dichloropropene | 0.60154 | 0.66989 | 0.010 | 11.4 | 50.0 | |
| | 46 4-Methyl-2-pentanone | 0.48136 | 0.53882 | 0.010 | 11.9 | 50.0 | |
| $ | 47 Toluene-d8 | 1.23442 | 1.27760 | 0.010 | 3.5 | 50.0 | |
| | 48 Toluene (*) | 1.40813 | 1.44492 | 0.010 | 2.6 | 20.0 | |
| | 49 trans-1,3-Dichloropropene | 0.67386 | 0.74420 | 0.010 | 10.4 | 50.0 | |
| | 50 1,1,2-Trichloroethane | 0.47150 | 0.46737 | 0.010 | -0.9 | 50.0 | |
| | 51 Tetrachloroethene | 0.42572 | 0.45179 | 0.010 | 6.1 | 50.0 | |
| | 52 1,3-Dichloropropane | 0.85229 | 0.88498 | 0.010 | 3.8 | 50.0 | |
| | 53 2-Hexanone | 0.46450 | 0.50863 | 0.010 | 9.5 | 50.0 | |
| | 54 Dibromochloromethane | 0.75785 | 0.75271 | 0.010 | -0.7 | 50.0 | |
| | 55 1,2-Dibromoethane | 0.65749 | 0.63877 | 0.010 | -2.8 | 50.0 | |
| | 57 Chlorobenzene (**) | 0.96640 | 1.01043 | 0.300 | 4.6 | 50.0 | |
| | 58 1,1,1,2-Tetrachloroethane | 0.52618 | 0.53306 | 0.010 | 1.3 | 50.0 | |
| | 59 Ethylbenzene (*) | 0.45785 | 0.50698 | 0.010 | 10.7 | 20.0 | |
| | 60 m,p-Xylenes | 0.55027 | 0.59429 | 0.010 | 8.0 | 50.0 | |
| | 61 o-Xylene | 0.51797 | 0.59840 | 0.010 | 15.5 | 50.0 | |
| | 62 Styrene | 0.88219 | 0.99952 | 0.010 | 13.3 | 50.0 | |
| M | 63 Xylenes (total) | 0.53950 | 0.59566 | 0.010 | 10.4 | 50.0 | |
| | 64 Bromoform (**) | 0.54767 | 0.54900 | 0.100 | 0.2 | 50.0 | |
| | 65 Isopropylbenzene | 1.55119 | 1.82082 | 0.010 | 17.4 | 50.0 | |
| $ | 67 4-Bromofluorobenzene | 1.63808 | 1.73948 | 0.010 | 6.2 | 50.0 | |
| | 66 4-Bromofluorobenzene-2nd | 0.93147 | 0.96128 | 0.010 | 3.2 | 50.0 | |
| | 68 Bromobenzene | 0.89290 | 0.92960 | 0.010 | 4.1 | 50.0 | |
| | 69 1,1,2,2-Tetrachloroethane(* | 1.50992 | 1.39990 | 0.300 | -7.3 | 50.0 | |
| | 70 1,2,3-Trichloropropane | 0.35105 | 0.35452 | 0.010 | 1.0 | 50.0 | |
| | 71 n-Propylbenzene | 3.83988 | 3.96424 | 0.010 | 3.2 | 50.0 | |
| | 72 2-Chlorotoluene | 0.67258 | 0.72443 | 0.010 | 7.7 | 50.0 | |
| | 73 4-Chlorotoluene | 0.65137 | 0.73049 | 0.010 | 12.1 | 50.0 | |

STL Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mg.i Injection Date: 21-OCT-2000 23:03
Lab File ID: GS2308.D Init. Cal. Date(s): 18-OCT-2000 19-OCT-2000
Analysis Type: SOIL Init. Cal. Times: 22:09 00:29
Lab Sample ID: 50 PPB 8260B Quant Type: ISTD
Method: \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m

| COMPOUND | RRF | RF50 | MIN RRF | %D | MAX %D |
|---|---|---|---|---|---|
| 74 1,3,5-Trimethylbenzene | 2.44521 | 2.70888 | 0.010 | 10.8 | 50.0 |
| 75 tert-Butylbenzene | 2.43048 | 2.67752 | 0.010 | 10.2 | 50.0 |
| 76 1,2,4-Trimethylbenzene | 2.44929 | 2.70214 | 0.010 | 10.3 | 50.0 |
| 77 sec-Butylbenzene | 3.29814 | 3.66815 | 0.010 | 11.2 | 50.0 |
| 78 1,3-Dichlorobenzene | 1.44325 | 1.52359 | 0.010 | 5.6 | 50.0 |
| 80 1,4-Dichlorobenzene | 1.47887 | 1.58673 | 0.010 | 7.3 | 50.0 |
| 81 p-Isopropyltoluene | 2.51305 | 2.87845 | 0.010 | 14.5 | 50.0 |
| 82 1,2-Dichlorobenzene | 1.37067 | 1.45431 | 0.010 | 6.1 | 50.0 |
| 83 n-Butylbenzene | 2.59306 | 3.02415 | 0.010 | 16.6 | 50.0 |
| 84 1,2-Dibromo-3-chloropropane | 0.34315 | 0.35051 | 0.010 | 2.1 | 50.0 |
| 85 1,2,4-Trichlorobenzene | 0.98845 | 1.15446 | 0.010 | 16.8 | 50.0 |
| 86 Hexachlorobutadiene | 0.77052 | 0.89455 | 0.010 | 16.1 | 50.0 |
| 87 Napthalene | 1.87151 | 2.01993 | 0.010 | 7.9 | 50.0 |
| 88 1,2,3-Trichlorobenzene | 0.97584 | 1.09217 | 0.010 | 11.9 | 50.0 |

STL Los Angeles Calibration Internal Standard Area Check

CCV File : \\SANP2008\D\CHEM\MG.I\1021BG.B/GS2308.D
Inj. Date : 21-OCT-2000 23:03

ICAL Mid Point : //SANP2008/D/chem/mg.i/1018BG.B/GS2295.D
Inj. Date : 18-OCT-2000 23:19

| IS NAME | ICAL RT | CCV RT | DIFF. | ICAL AREA | CCV AREA | %DIFF. |
|---|---|---|---|---|---|---|
| Fluorobenzene | 7.08 | 7.27 | -0.19 | 1248208 | 1511490 | 121.1% |
| Chlorobenzene-d5 | 12.59 | 12.82 | -0.23 | 901954 | 1052862 | 116.7% |
| 1,4-Dichlorobenzene-d4 | 17.24 | 17.46 | -0.23 | 473592 | 600046 | 126.7% |

8260B Area difference criteria: 50%-200%

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\GS2308.D
Lab Smp Id: 50 PPB 8260B
Inj Date : 21-OCT-2000 23:03
Operator : AD Inst ID: mg.i
Smp Info : 50 PPB 8260B,,,3,0,,,8260BGS.M
Misc Info : 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 21-Oct-2000 23:29 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 1 Dichlorodifluoromethane | 85 | 1.562 | 1.562 | (0.215) | 418451 | 50.0000 | 29.82 |
| 3 Chloromethane (**) | 50 | 1.828 | 1.828 | (0.251) | 456422 | 50.0000 | 43.68 |
| 2 Vinyl chloride (*) | 62 | 1.808 | 1.808 | (0.249) | 474823 | 50.0000 | 43.57 |
| 4 Bromomethane | 94 | 2.094 | 2.094 | (0.288) | 297316 | 50.0000 | 59.48 |
| 5 Chloroethane | 64 | 2.183 | 2.183 | (0.300) | 291870 | 50.0000 | 70.15 |
| 6 Trichlorofluoromethane | 101 | 2.429 | 2.429 | (0.334) | 978852 | 50.0000 | 58.32 |
| 7 Acrolein | 56 | 2.853 | 2.853 | (0.392) | 378006 | 500.000 | 434.7(A) |
| 8 1,1-Dichloroethene(*) | 96 | 2.942 | 2.942 | (0.405) | 405560 | 50.0000 | 53.15 |
| 9 1,1,2-Trichlorotrifluoroethan | 151 | 2.952 | 2.952 | (0.406) | 553403 | 50.0000 | 50.97 |
| 10 Acetone | 43 | 3.040 | 3.040 | (0.418) | 803563 | 250.000 | 274.8 |
| 11 Iodomethane | 142 | 3.109 | 3.109 | (0.428) | 1770725 | 100.000 | 110.1(A) |
| 12 Carbon disulfide | 76 | 3.169 | 3.169 | (0.436) | 1325434 | 50.0000 | 43.85 |
| 13 Methylene chloride | 84 | 3.523 | 3.523 | (0.485) | 499119 | 50.0000 | 53.58 |
| 14 t-Butanol | 59 | 3.790 | 3.790 | (0.521) | 356963 | 1250.00 | 1470(Q) |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 16 Acrylontrile | 53 | 3.859 | 3.859 | (0.531) | 1350754 | 500.000 | 525.3(A) |
| | 15 trans-1,2-Dichloroethene | 96 | 3.869 | 3.869 | (0.532) | 499731 | 50.0000 | 54.47 |
| | 19 Vinyl acetate | 43 | 4.608 | 4.608 | (0.634) | 4285630 | 100.000 | 117.3(A) |
| | 17 Methyl-tert-butyl ether[MTBE] | 73 | 3.918 | 3.918 | (0.539) | 1484768 | 50.0000 | 58.74 |
| | 18 1,1-Dichloroethane (**) | 63 | 4.490 | 4.490 | (0.618) | 1156279 | 50.0000 | 55.57 |
| | 20 Isopropyl ether | 45 | 4.648 | 4.648 | (0.639) | 2786997 | 50.0000 | 58.82 |
| | 22 Tert-butyl ethyl ether | 59 | 5.219 | 5.219 | (0.718) | 2255759 | 50.0000 | 59.51 |
| | 21 2,2-Dichloropropane | 77 | 5.338 | 5.338 | (0.734) | 1047666 | 50.0000 | 61.76 |
| | 23 cis-1,2-Dichloroethene | 96 | 5.397 | 5.397 | (0.742) | 530891 | 50.0000 | 54.52 |
| | 24 2-Butanone | 43 | 5.476 | 5.476 | (0.753) | 1550808 | 250.000 | 261.3 |
| | 25 Bromochloromethane | 128 | 5.762 | 5.762 | (0.793) | 312313 | 50.0000 | 55.24 |
| | 27 Tetrahydrofuran | 42 | 5.870 | 5.870 | (0.807) | 225268 | 50.0000 | 55.78 |
| | 26 Chloroform (*) | 83 | 5.929 | 5.929 | (0.816) | 1166555 | 50.0000 | 54.96 |
| M | 28 1,2-Dichloroethene (total) | 100 | | | | 1030622 | 100.000 | 109.0 |
| $ | 29 Dibromofluoromethane | 111 | 6.176 | 6.176 | (0.849) | 892371 | 50.0000 | 51.26 |
| | 30 1,1,1-Trichloroethane | 97 | 6.156 | 6.156 | (0.847) | 984360 | 50.0000 | 57.20 |
| | 31 Carbon Tetrachloride | 117 | 6.422 | 6.422 | (0.883) | 892815 | 50.0000 | 56.55 |
| | 32 1,1-Dichloropropene | 75 | 6.432 | 6.432 | (0.885) | 877423 | 50.0000 | 53.99 |
| $ | 33 1,2-Dichloroethane-d4 | 65 | 6.718 | 6.718 | (0.924) | 704202 | 50.0000 | 50.99 |
| | 34 1,2-Dichloroethane-d4 2nd | 102 | 6.708 | 6.708 | (0.923) | 123331 | 50.0000 | 56.69 |
| | 35 Benzene | 78 | 6.777 | 6.777 | (0.932) | 1458996 | 50.0000 | 48.81 |
| | 36 1,2-Dichloroethane | 62 | 6.836 | 6.836 | (0.940) | 832508 | 50.0000 | 53.46 |
| | 37 Tert-amyl methyl ether | 73 | 7.073 | 7.073 | (0.973) | 1572396 | 50.0000 | 51.96 |
| * | 38 Fluorobenzene | 96 | 7.270 | 7.270 | (1.000) | 1511490 | 50.0000 | |
| | 39 Trichloroethene | 130 | 7.911 | 7.911 | (1.088) | 626386 | 50.0000 | 55.33 |
| | 40 1,2-Dichloropropane(*) | 63 | 8.295 | 8.295 | (1.141) | 784739 | 50.0000 | 56.11 |
| | 41 Dibromomethane | 93 | 8.512 | 8.512 | (1.171) | 541962 | 50.0000 | 53.05 |
| | 42 Bromodichloromethane | 83 | 8.848 | 8.848 | (1.217) | 1201378 | 50.0000 | 54.00 |
| | 44 2-Chloroethylvinyl ether | 106 | 9.449 | 9.449 | (1.300) | 187457 | 100.000 | 127.7(AQ) |
| | 43 1-Bromo-2-chloroethane | 63 | 9.360 | 9.360 | (1.288) | 1333799 | 50.0000 | 50.20 |
| | 45 cis-1,3-Dichloropropene | 75 | 9.656 | 9.656 | (1.328) | 1012528 | 50.0000 | 55.68 |
| | 46 4-Methyl-2-pentanone | 43 | 10.021 | 10.021 | (1.378) | 4072135 | 250.000 | 279.8 |
| $ | 47 Toluene-d8 | 98 | 10.119 | 10.119 | (0.789) | 1345136 | 50.0000 | 51.75 |
| | 48 Toluene (*) | 91 | 10.238 | 10.238 | (0.799) | 1521303 | 50.0000 | 51.31 |
| | 49 trans-1,3-Dichloropropene | 75 | 10.721 | 10.721 | (0.836) | 783544 | 50.0000 | 55.22 |
| | 50 1,1,2-Trichloroethane | 97 | 11.036 | 11.036 | (0.861) | 492078 | 50.0000 | 49.56 |
| | 51 Tetrachloroethene | 164 | 11.243 | 11.243 | (0.877) | 475671 | 50.0000 | 53.06 |
| | 52 1,3-Dichloropropane | 76 | 11.332 | 11.332 | (0.884) | 931759 | 50.0000 | 51.92 |
| | 53 2-Hexanone | 43 | 11.588 | 11.588 | (0.904) | 2677598 | 250.000 | 273.8 |
| | 54 Dibromochloromethane | 129 | 11.736 | 11.736 | (0.915) | 792500 | 50.0000 | 49.66 |
| | 55 1,2-Dibromoethane | 107 | 11.914 | 11.914 | (0.929) | 672538 | 50.0000 | 48.58 |
| * | 56 Chlorobenzene-d5 | 117 | 12.821 | 12.821 | (1.000) | 1052862 | 50.0000 | |
| | 57 Chlorobenzene (**) | 112 | 12.870 | 12.870 | (1.004) | 1063847 | 50.0000 | 52.28 |
| | 58 1,1,1,2-Tetrachloroethane | 131 | 13.057 | 13.057 | (1.018) | 561235 | 50.0000 | 50.65 |
| | 59 Ethylbenzene (*) | 106 | 13.126 | 13.126 | (1.024) | 533778 | 50.0000 | 55.36 |
| | 60 m,p-Xylenes | 106 | 13.363 | 13.363 | (1.042) | 1251403 | 100.000 | 108.0 |
| | 61 o-Xylene | 106 | 14.122 | 14.122 | (1.102) | 630030 | 50.0000 | 57.76 |

| | Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | AMOUNTS CAL-AMT (ug/Kg) | AMOUNTS ON-COL (ug/Kg) |
|---|---|---|---|---|---|---|---|---|
| | 62 Styrene | 104 | 14.162 | 14.162 | (1.105) | 1052352 | 50.0000 | 56.65 |
| M | 63 Xylenes (total) | 100 | | | | 1881434 | 150.000 | 165.8 |
| | 64 Bromoform (**) | 173 | 14.477 | 14.477 | (1.129) | 578024 | 50.0000 | 50.12 |
| | 65 Isopropylbenzene | 105 | 14.881 | 14.881 | (1.161) | 1917074 | 50.0000 | 58.69 |
| $ | 67 4-Bromofluorobenzene | 95 | 15.148 | 15.148 | (0.867) | 1043770 | 50.0000 | 53.10 |
| | 66 4-Bromofluorobenzene-2nd | 174 | 15.148 | 15.148 | (0.867) | 576815 | 50.0000 | 51.60 |
| | 68 Bromobenzene | 156 | 15.404 | 15.404 | (0.882) | 557800 | 50.0000 | 52.05 |
| | 69 1,1,2,2-Tetrachloroethane(**) | 83 | 15.532 | 15.532 | (0.889) | 840007 | 50.0000 | 46.36 |
| | 70 1,2,3-Trichloropropane | 110 | 15.552 | 15.552 | (0.890) | 212729 | 50.0000 | 50.49 |
| | 71 n-Propylbenzene | 91 | 15.700 | 15.700 | (0.899) | 2378729 | 50.0000 | 51.62 |
| | 72 2-Chlorotoluene | 126 | 15.818 | 15.818 | (0.906) | 434694 | 50.0000 | 53.86(Q) |
| | 73 4-Chlorotoluene | 126 | 16.045 | 16.045 | (0.919) | 438327 | 50.0000 | 56.07 |
| | 74 1,3,5-Trimethylbenzene | 105 | 16.094 | 16.094 | (0.922) | 1625454 | 50.0000 | 55.39 |
| | 75 tert-Butylbenzene | 119 | 16.715 | 16.715 | (0.957) | 1606638 | 50.0000 | 55.08 |
| | 76 1,2,4-Trimethylbenzene | 105 | 16.824 | 16.824 | (0.963) | 1621408 | 50.0000 | 55.16 |
| | 77 sec-Butylbenzene | 105 | 17.169 | 17.169 | (0.983) | 2201057 | 50.0000 | 55.61 |
| | 78 1,3-Dichlorobenzene | 146 | 17.317 | 17.317 | (0.992) | 914224 | 50.0000 | 52.78 |
| * | 79 1,4-Dichlorobenzene-d4 | 152 | 17.465 | 17.465 | (1.000) | 600046 | 50.0000 | |
| | 80 1,4-Dichlorobenzene | 146 | 17.504 | 17.504 | (1.002) | 952109 | 50.0000 | 53.65 |
| | 81 p-Isopropyltoluene | 119 | 17.494 | 17.494 | (1.002) | 1727205 | 50.0000 | 57.27 |
| | 82 1,2-Dichlorobenzene | 146 | 18.243 | 18.243 | (1.045) | 872655 | 50.0000 | 53.05 |
| | 83 n-Butylbenzene | 91 | 18.332 | 18.332 | (1.050) | 1814628 | 50.0000 | 58.31 |
| | 84 1,2-Dibromo-3-chloropropane | 157 | 19.860 | 19.860 | (1.137) | 210323 | 50.0000 | 51.07 |
| | 85 1,2,4-Trichlorobenzene | 180 | 21.556 | 21.556 | (1.234) | 692727 | 50.0000 | 58.40 |
| | 86 Hexachlorobutadiene | 225 | 21.980 | 21.980 | (1.259) | 536772 | 50.0000 | 58.05 |
| | 87 Napthalene | 128 | 22.029 | 22.029 | (1.261) | 1212054 | 50.0000 | 53.96 |
| | 88 1,2,3-Trichlorobenzene | 180 | 22.542 | 22.542 | (1.291) | 655350 | 50.0000 | 55.96 |

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

STL Los Angeles

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: mg.i
Lab File ID: GS2308.D
Lab Smp Id: 50 PPB 8260B
Analysis Type: VOA
Quant Type: ISTD
Operator: AD
Method File: \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Misc Info: 1259-1;53-2A;65-1,,5,,2,1-8260B.SUB

Calibration Date: 21-OCT-2000
Calibration Time: 23:03

Level: LOW
Sample Type: SOIL

| COMPOUND | STANDARD | AREA LIMIT LOWER | AREA LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 1511490 | 755745 | 3022980 | 1511490 | 0.00 |
| 56 Chlorobenzene-d5 | 1052862 | 526431 | 2105724 | 1052862 | 0.00 |
| 79 1,4-Dichlorobenze | 600046 | 300023 | 1200092 | 600046 | 0.00 |

| COMPOUND | STANDARD | RT LIMIT LOWER | RT LIMIT UPPER | SAMPLE | %DIFF |
|---|---|---|---|---|---|
| 38 Fluorobenzene | 7.27 | 6.77 | 7.77 | 7.27 | 0.00 |
| 56 Chlorobenzene-d5 | 12.82 | 12.32 | 13.32 | 12.82 | 0.00 |
| 79 1,4-Dichlorobenze | 17.46 | 16.96 | 17.96 | 17.46 | 0.00 |

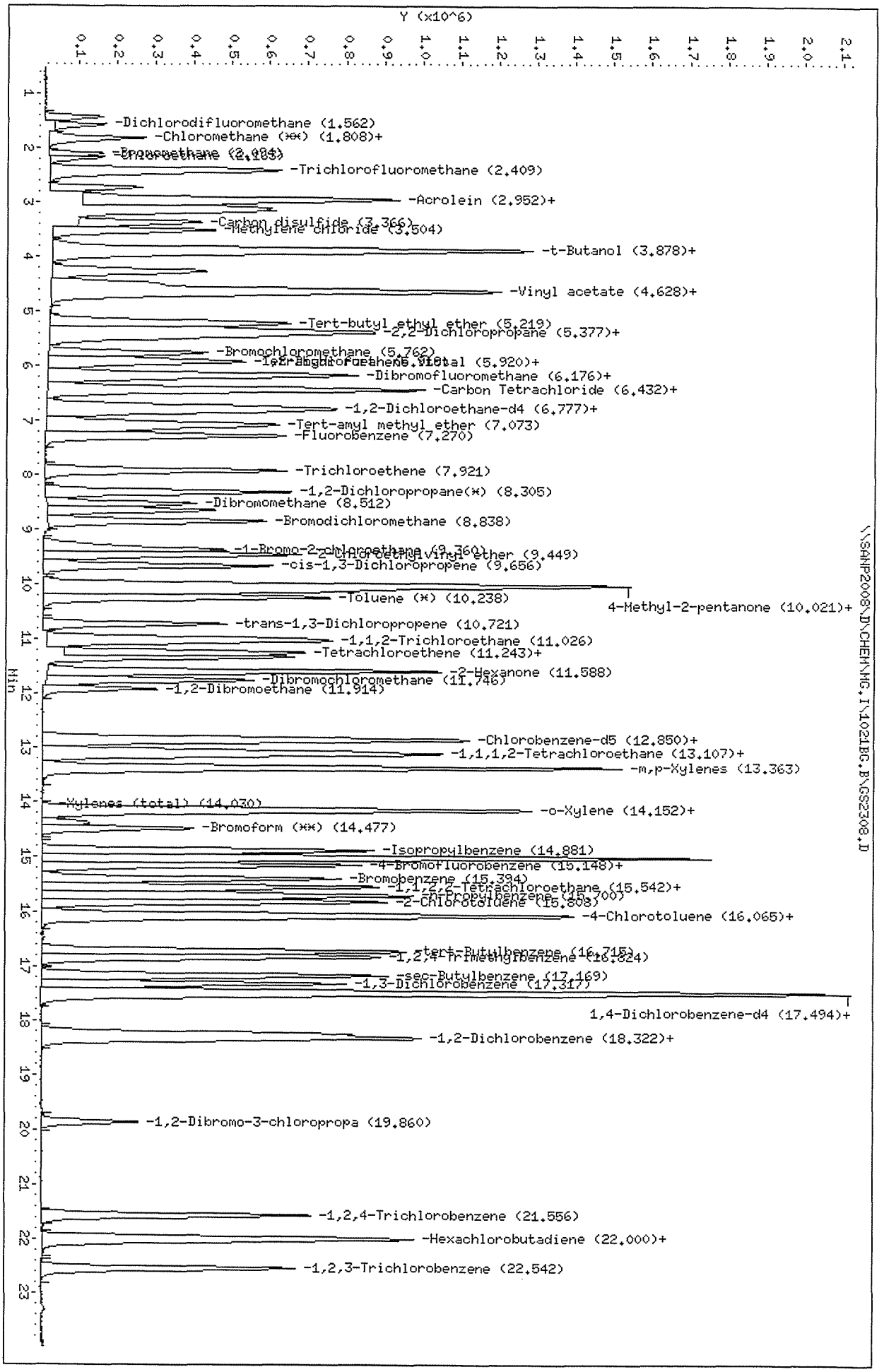
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\GS2308.D
Date : 21-OCT-2000 23:03
Client ID:
Sample Info: 50 PPB 8260B,,3.0,,8260BGS.H

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09167.D
Lab Smp Id: LCS-1021BG  Client Smp ID: G09167
Inj Date : 21-OCT-2000 23:47
Operator : AD  Inst ID: mg.i
Smp Info : LCS-1021BG,LCS,2,,0,1,0,8260BGS.M,G09167
Misc Info : 1252-1,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 21-Oct-2000 23:29 beckmang  Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29  Cal File: GS2297.D
Als bottle: 2  QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 2.936 | 2.942 | (0.403) | 431271 | 60.0139 | 60.01 |
| $ 29 Dibromofluoromethane | 111 | 6.179 | 6.176 | (0.848) | 918866 | 56.0483 | 56.05 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.712 | 6.718 | (0.921) | 721361 | 55.4660 | 55.46 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.722 | 6.708 | (0.923) | 122502 | 59.7931 | 59.79 |
| 35 Benzene | 78 | 6.781 | 6.777 | (0.931) | 1387545 | 49.2909 | 49.29 |
| * 38 Fluorobenzene | 96 | 7.284 | 7.270 | (1.000) | 1423429 | 50.0000 | |
| 39 Trichloroethene | 130 | 7.915 | 7.911 | (1.087) | 576587 | 54.0794 | 54.08 |
| $ 47 Toluene-d8 | 98 | 10.103 | 10.119 | (0.788) | 1330228 | 50.6998 | 50.70 |
| 48 Toluene (*) | 91 | 10.231 | 10.238 | (0.798) | 1455383 | 48.6270 | 48.63 |
| * 56 Chlorobenzene-d5 | 117 | 12.815 | 12.821 | (1.000) | 1062742 | 50.0000 | |
| 57 Chlorobenzene (**) | 112 | 12.864 | 12.870 | (1.004) | 1014245 | 49.3776 | 49.38 |
| $ 67 4-Bromofluorobenzene | 95 | 15.141 | 15.148 | (0.867) | 1045477 | 50.8412 | 50.84 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.151 | 15.148 | (0.868) | 572257 | 48.9396 | 48.94 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.458 | 17.465 | (1.000) | 627674 | 50.0000 | |

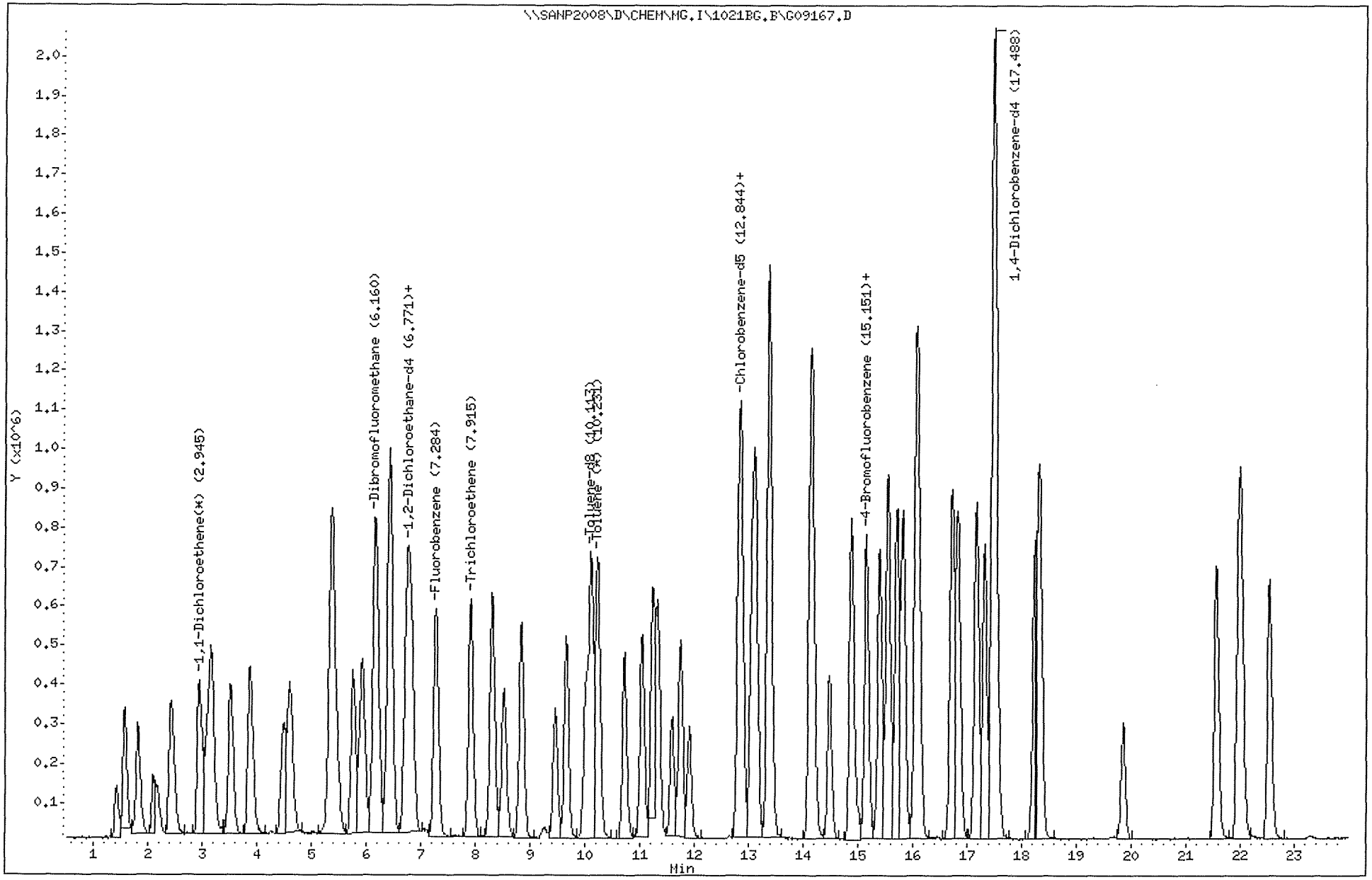
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09167.D
Date : 21-OCT-2000 23:47
Client ID: G09167
Sample Info: LCS-1021BG,LCS,2,,0,1,0,8260BGS.M,G09167

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53






000506

BOE-C6-0167627

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09168.D
Lab Smp Id: MB-1021BG  Client Smp ID: G09168
Inj Date : 22-OCT-2000 00:21
Operator : AD  Inst ID: mg.i
Smp Info : MB-1021BG,BLANK,2,,0,1,0,8260BGS.M,G09168
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang  Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29  Cal File: GS2297.D
Als bottle: 3  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.194 | 6.176 | (0.850) | 755979 | 51.9593 | 51.96 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.726 | 6.718 | (0.923) | 610961 | 52.9335 | 52.93 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.726 | 6.708 | (0.923) | 108736 | 59.8032 | 59.80 | |
| * 38 Fluorobenzene | 96 | 7.288 | 7.270 | (1.000) | 1263261 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.128 | 10.119 | (0.791) | 1259242 | 49.6350 | 49.64 | |
| * 56 Chlorobenzene-d5 | 117 | 12.809 | 12.821 | (1.000) | 1027610 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.156 | 15.148 | (0.868) | 1017693 | 52.8326 | 52.83 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.146 | 15.148 | (0.867) | 553155 | 50.5009 | 50.50 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.463 | 17.465 | (1.000) | 587964 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09168.D
Lab Smp Id: MB-1021BG  Client Smp ID: G09168
Inj Date : 22-OCT-2000 00:21
Operator : AD  Inst ID: mg.i
Smp Info : MB-1021BG,BLANK,2,,0,1,0,8260BGS.M,G09168
Misc Info : ,,5,,3,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang  Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29  Cal File: GS2297.D
Als bottle: 3  QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE  Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

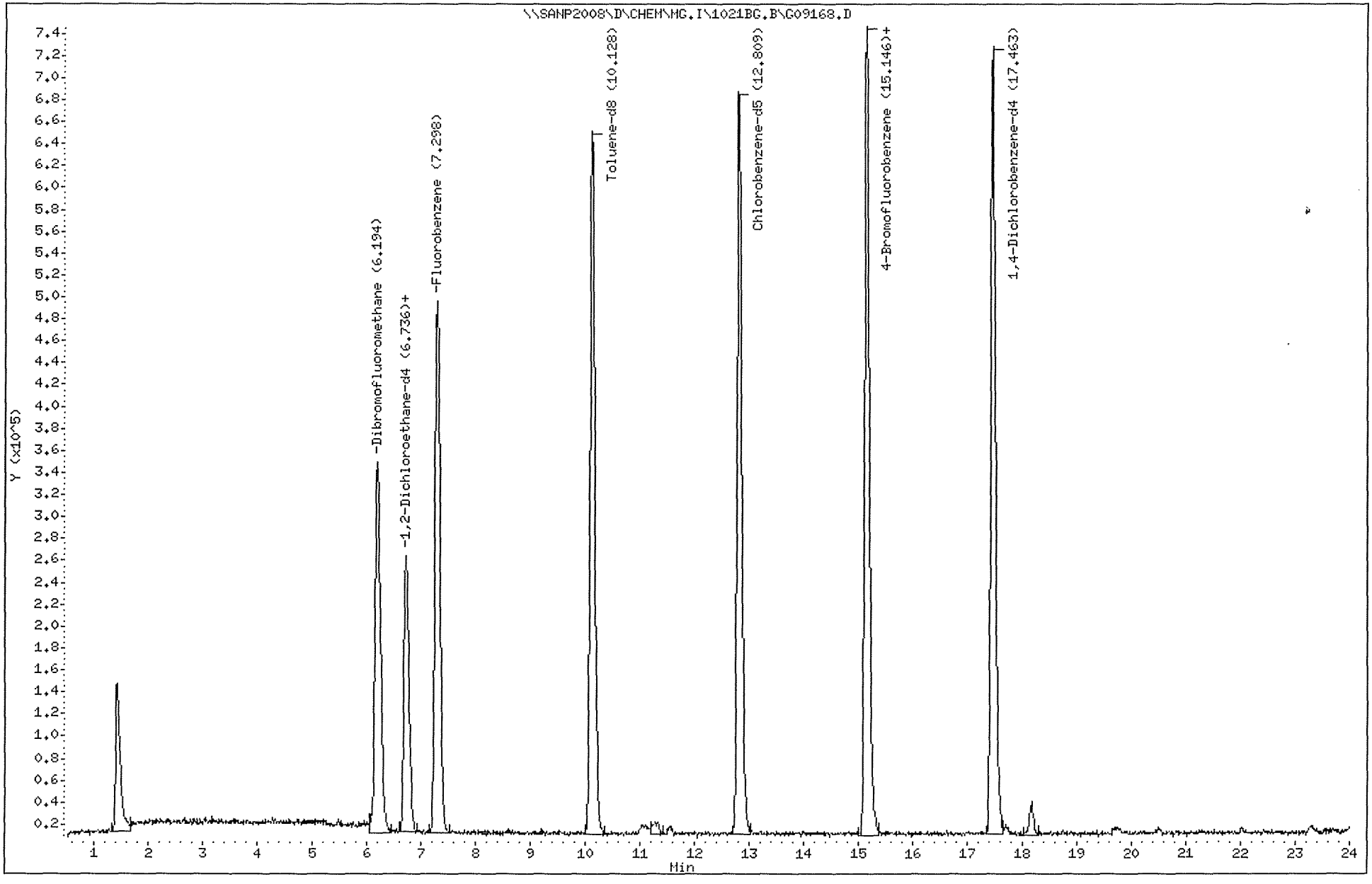
| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.288 | 3187765 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.422 | 827700 | 12.9824407 | 12.98 | 0 | | 0 | 38 |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09168.D
Date : 22-OCT-2000 00:21
Client ID: G09168
Sample Info: MB-1021BG,BLANK,2,,0,1,0,8260BGS.M,G09168

Instrument: mg.i
Operator: AD
Column phase: J&W DB-624
Column diameter: 0.53




BOE-C6-0167630

000509

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: MB-1021BG
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09168
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ a W | 1.422 | 12.98 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09168.D

Date : 22-OCT-2000 00:21

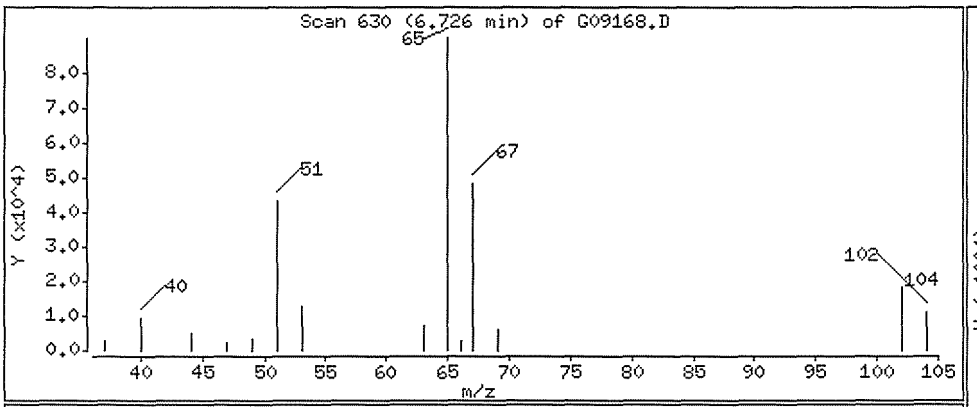
Client ID: G09168 Instrument: mg.i

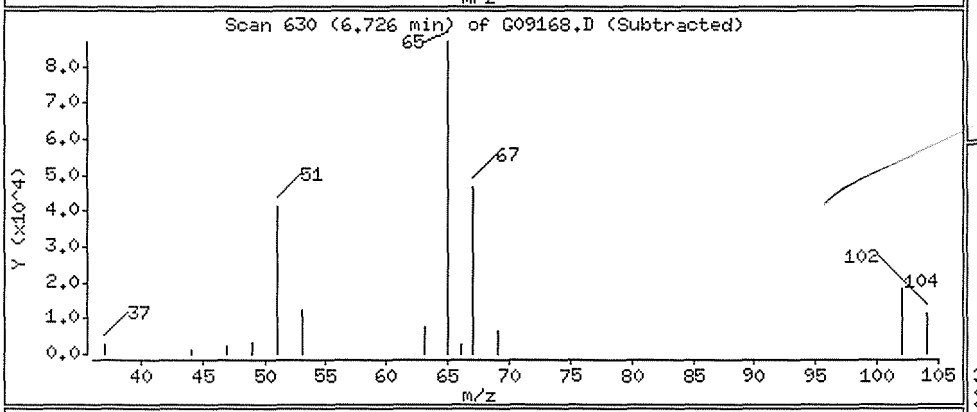
Sample Info: MB-1021BG,BLANK,2,,0,1,0,8260BGS.M,G09168

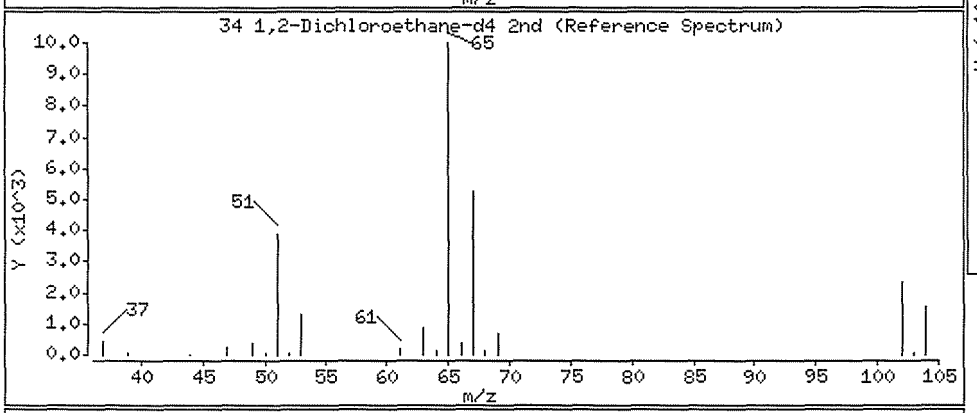
Operator: AD

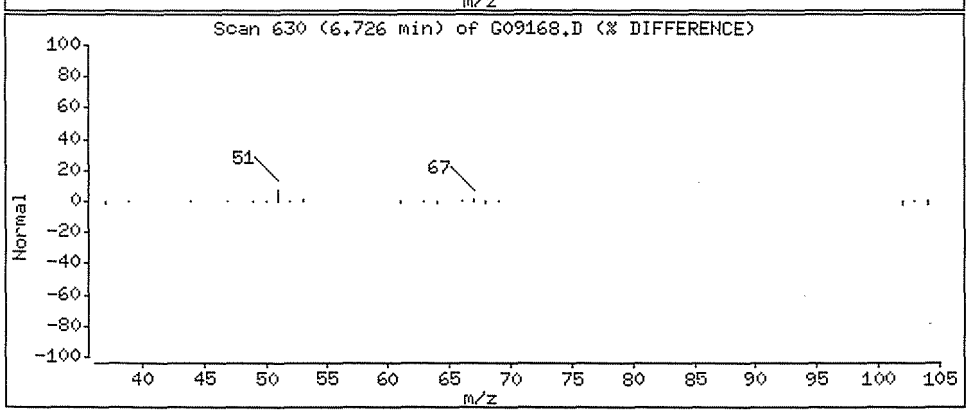
Column phase: J&W DB-624 Column diameter: 0.53

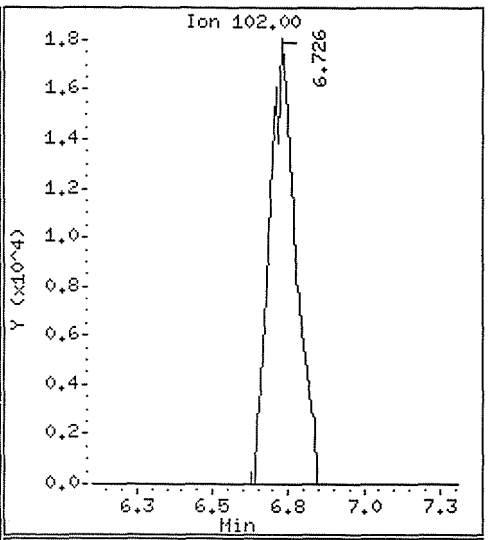
34 1,2-Dichloroethane-d4 2nd Concentration: 59.80 ug/Kg

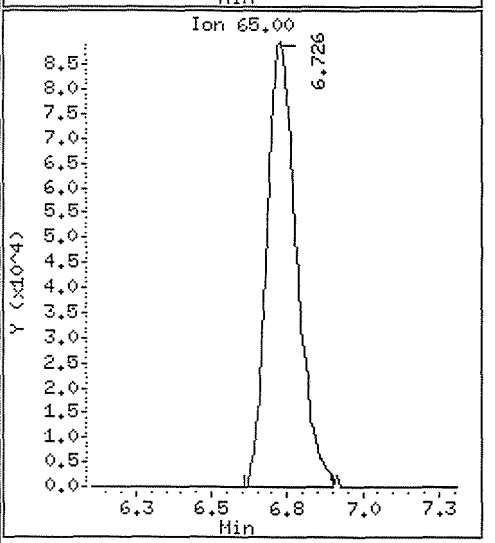


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09168.D

Date : 22-OCT-2000 00:21

Client ID: G09168

Instrument: mg.i

Sample Info: MB-1021BG,BLANK,2,,0,1,0,8260BGS.M,G09168

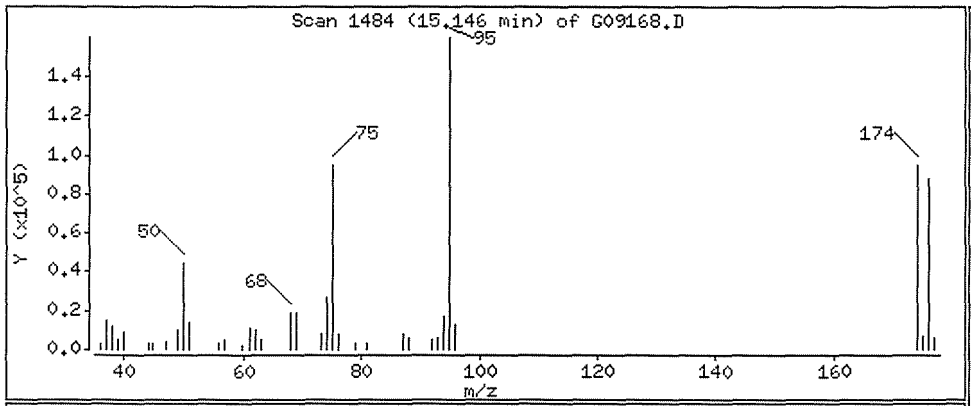
Operator: AD

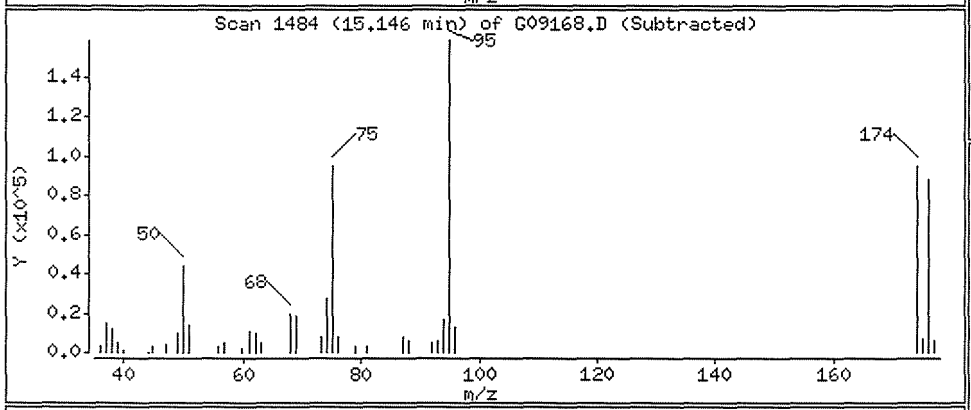
Column phase: J&W DB-624

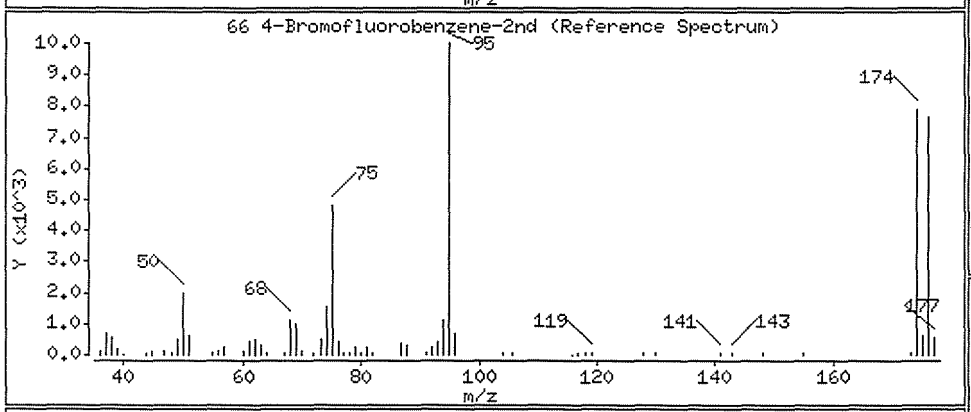
Column diameter: 0.53

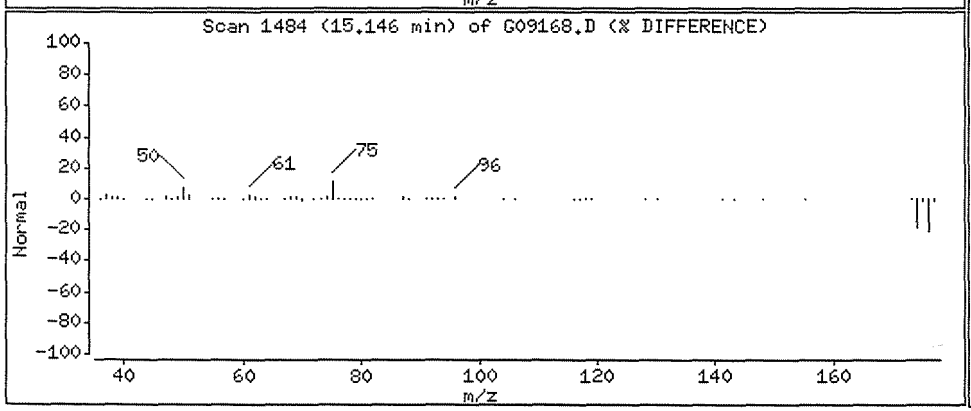
66 4-Bromofluorobenzene-2nd

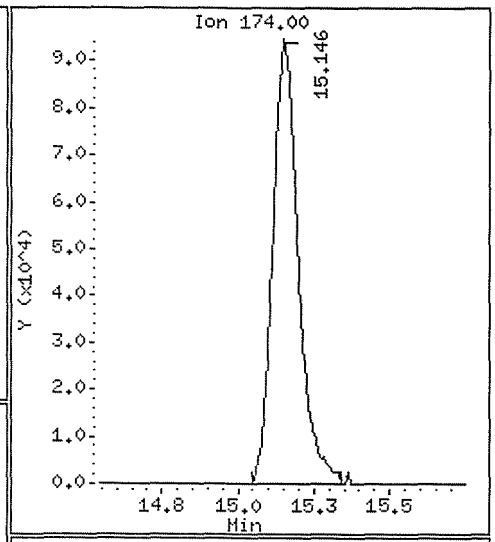
Concentration: 50.50 ug/Kg

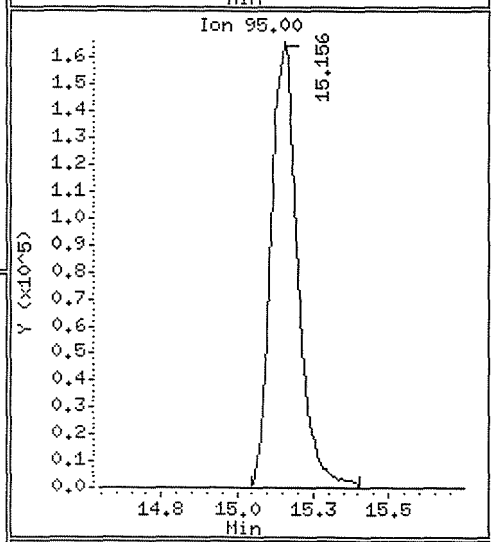


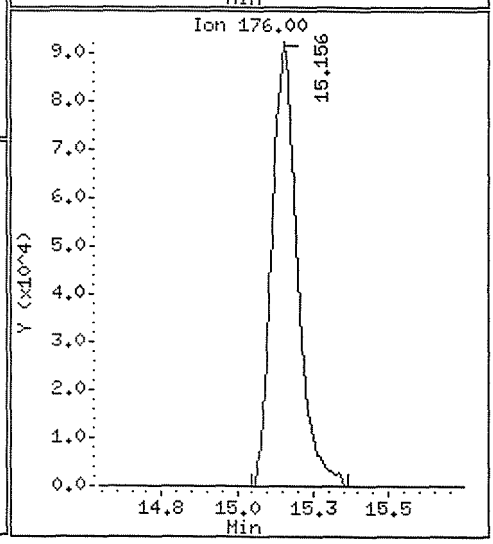



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09169.D
Lab Smp Id: DLW5R101 Client Smp ID: G09169
Inj Date : 22-OCT-2000 01:04
Operator : AD Inst ID: mg.i
Smp Info : DLW5R101,,2,,0,1,0,8260BGS.M,G09169
Misc Info : 272-6,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.185 | 6.176 | (0.849) | 848490 | 49.0506 | 49.05 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.717 | 6.718 | (0.922) | 643459 | 46.8902 | 46.89 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.707 | 6.708 | (0.920) | 111296 | 51.4844 | 51.48 | |
| * 38 Fluorobenzene | 96 | 7.289 | 7.270 | (1.000) | 1501927 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.118 | 10.119 | (0.790) | 1245685 | 48.4484 | 48.45 | |
| * 56 Chlorobenzene-d5 | 117 | 12.810 | 12.821 | (1.000) | 1041445 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.147 | 15.148 | (0.868) | 975836 | 50.6590 | 50.66 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.147 | 15.148 | (0.868) | 533883 | 48.7409 | 48.74 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.454 | 17.465 | (1.000) | 587970 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09169.D
Lab Smp Id: DLW5R101 Client Smp ID: G09169
Inj Date : 22-OCT-2000 01:04
Operator : AD Inst ID: mg.i
Smp Info : DLW5R101,,2,,0,1,0,8260BGS.M,G09169
Misc Info : 272-6,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.289 | 3823408 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.423 | 971149 | 12.7000460 | 12.70 | 0 | | 0 | 38 |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09169.D

Date : 22-OCT-2000 01:04

Client ID: G09169

Sample Info: DLW5R101,,2,,0,1,0,8260BGS.M,G09169

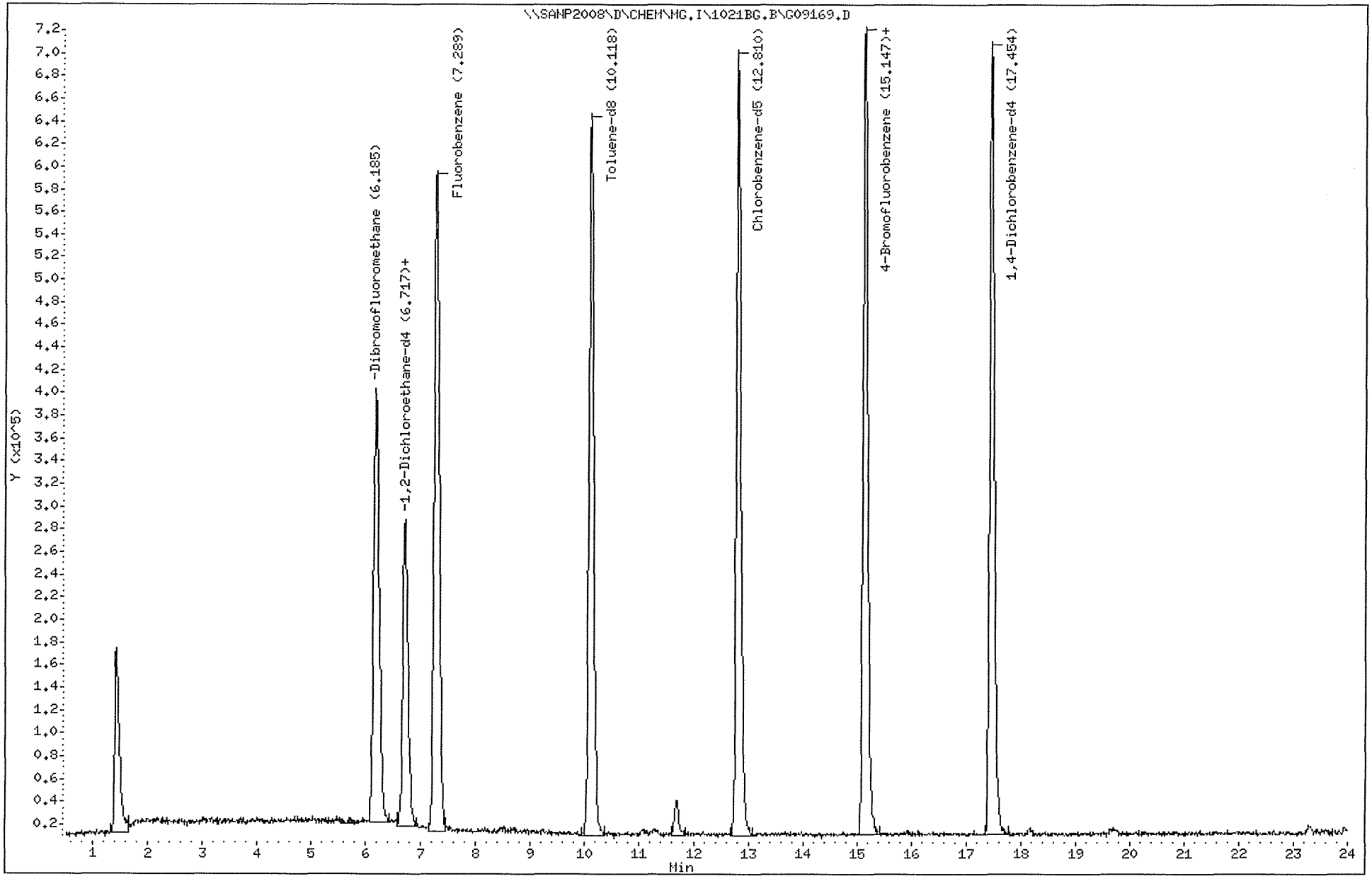
Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53






000515

BOE-C6-0167636

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09169.D

Date : 22-OCT-2000 01:04

Client ID: G09169

Instrument: mg.i

Sample Info: DLW5R101,,2,,0,1,0,8260BGS.M,G09169

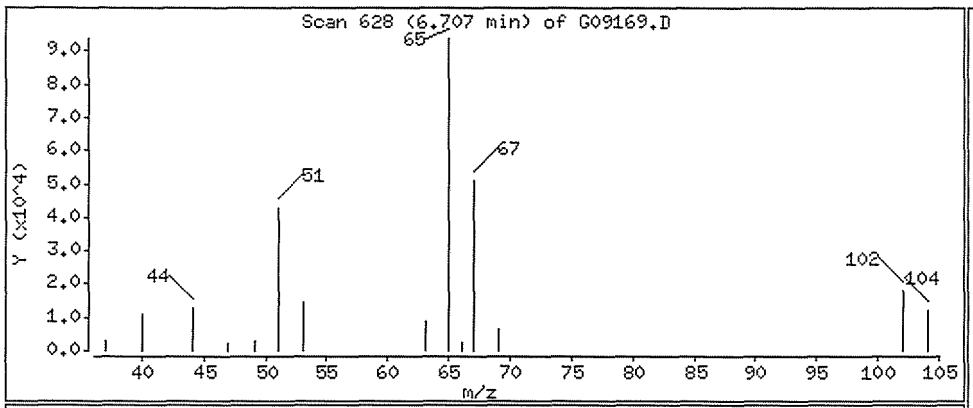
Operator: AD

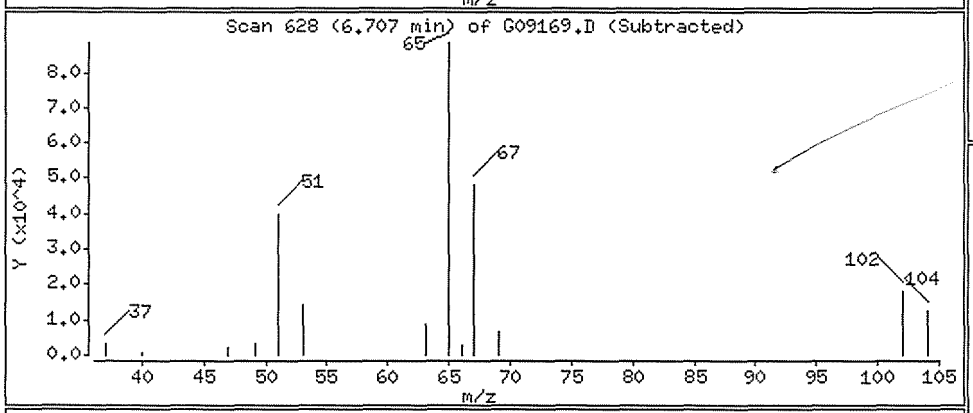
Column phase: J&W DB-624

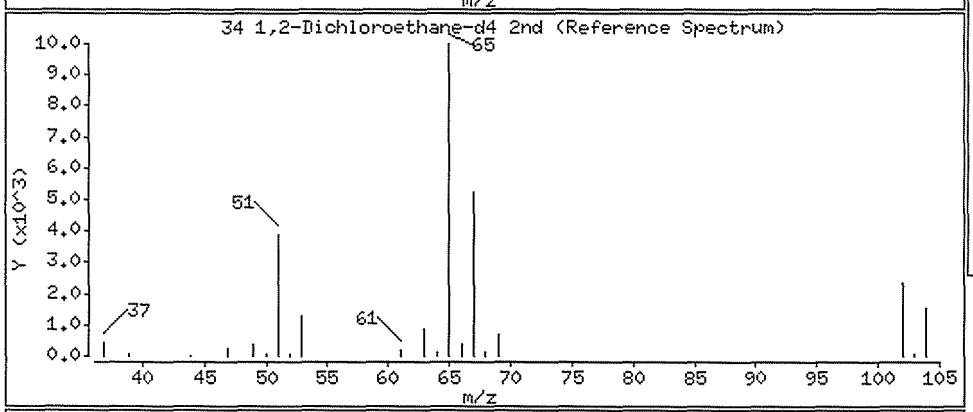
Column diameter: 0.53

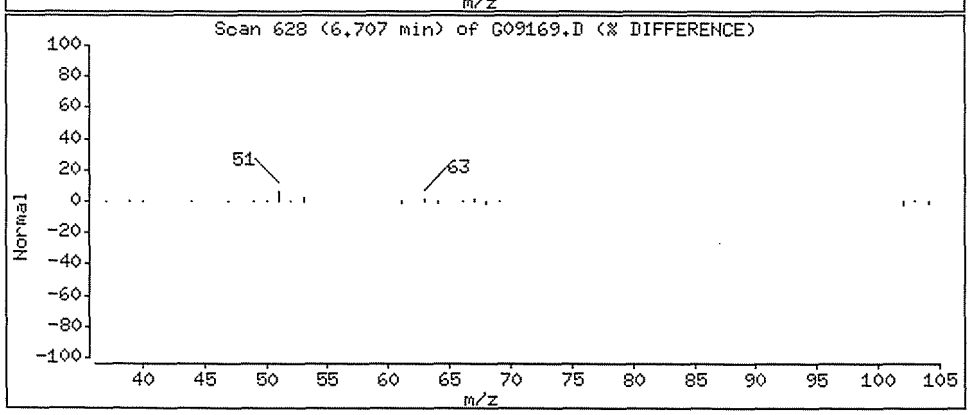
34 1,2-Dichloroethane-d4 2nd

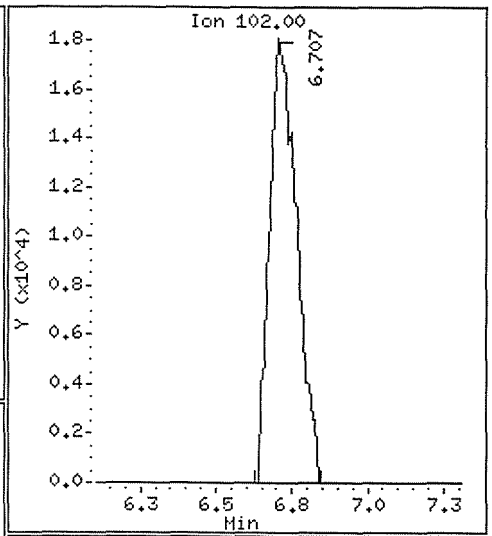
Concentration: 51.48 ug/Kg

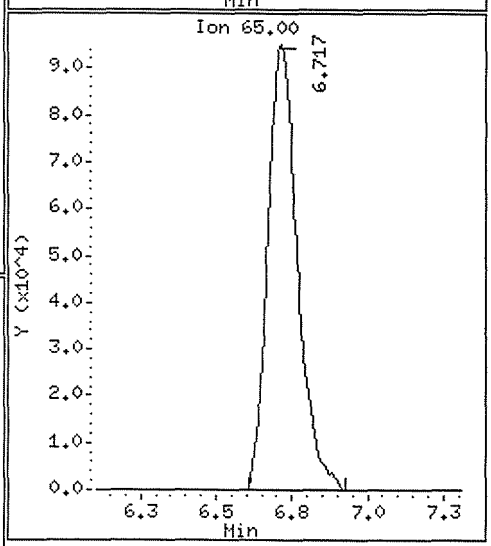


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09169.D

Date : 22-OCT-2000 01:04

Client ID: G09169

Instrument: mg.i

Sample Info: DLW5R101,,2,,0,1,0,8260BGS.M,G09169

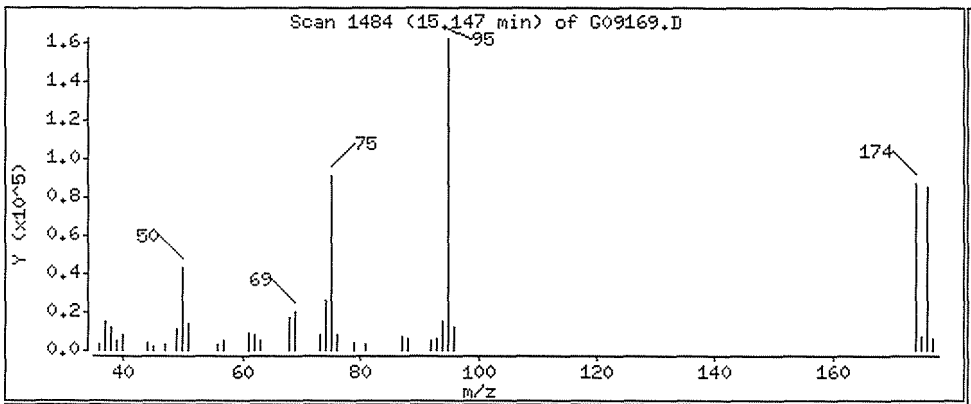
Operator: AD

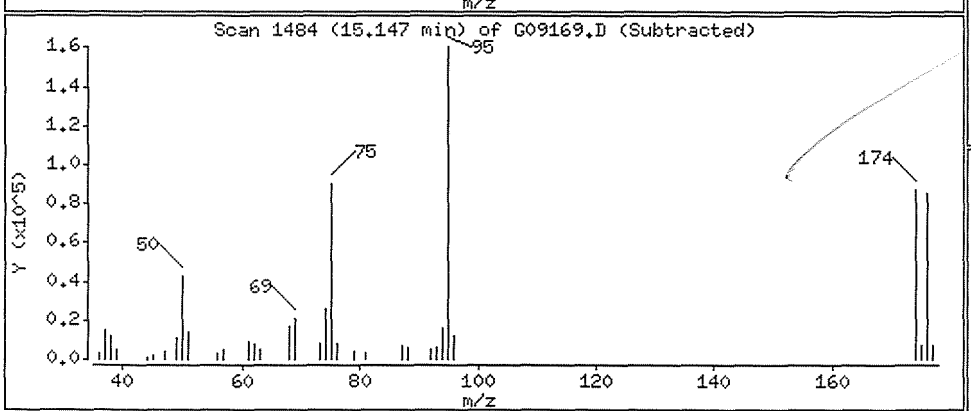
Column phase: J&W DB-624

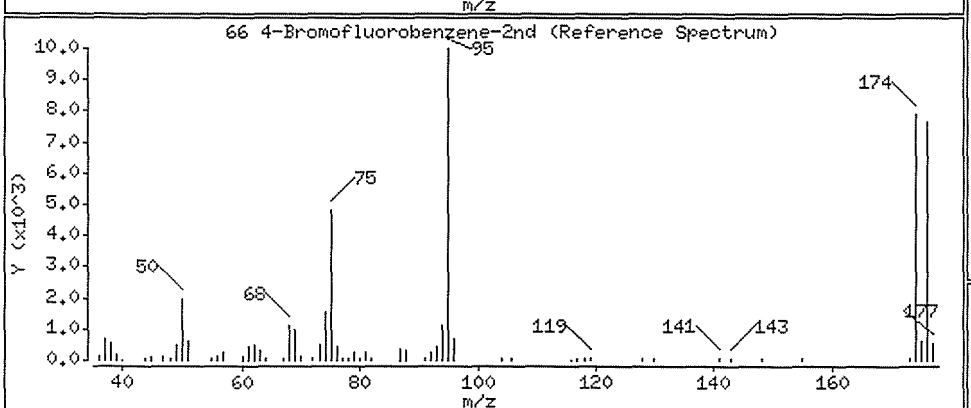
Column diameter: 0.53

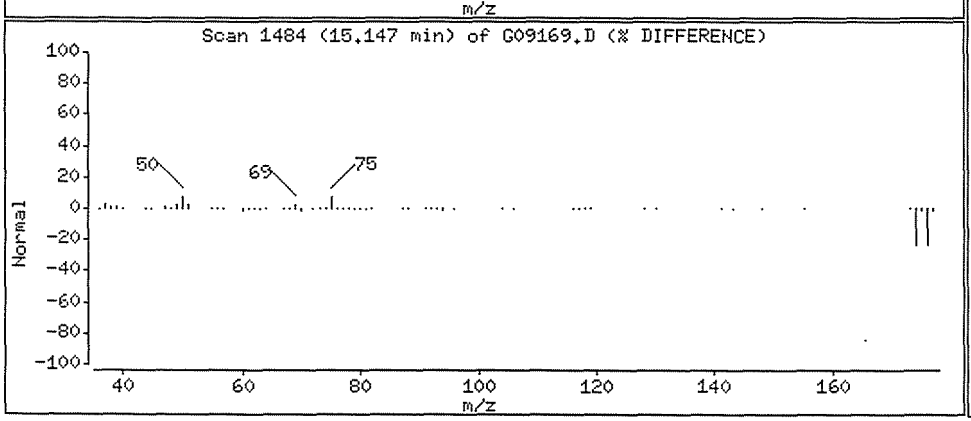
66 4-Bromofluorobenzene-2nd

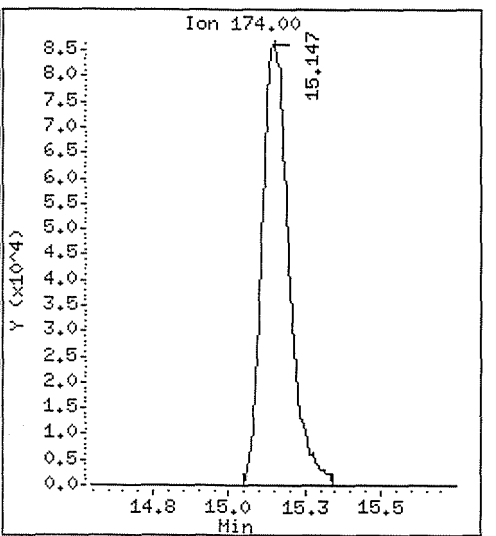
Concentration: 48.74 ug/Kg

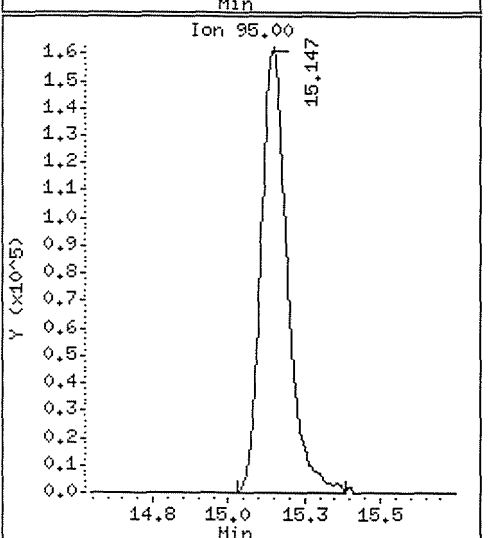


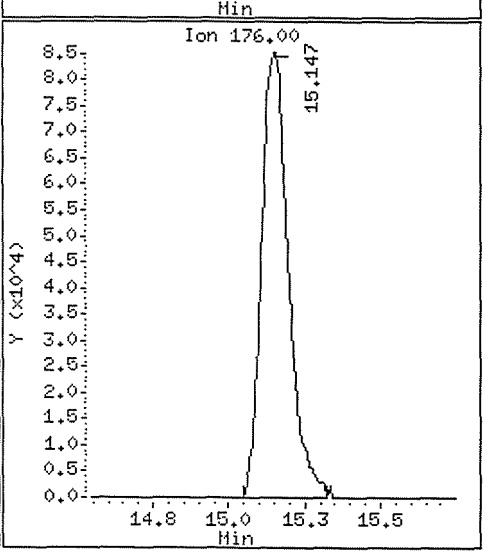



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09170.D
Lab Smp Id: DLW5R102 Client Smp ID: G09170
Inj Date : 22-OCT-2000 01:38
Operator : AD Inst ID: mg.i
Smp Info : DLW5R102,MS,2,,0,1,0,8260BGS.M,G09170
Misc Info : 272-6S,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 5 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 2.950 | 2.942 | (0.404) | 405088 | 61.8433 | 61.84 |
| $ 29 Dibromofluoromethane | 111 | 6.194 | 6.176 | (0.849) | 777582 | 52.0353 | 52.04 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.726 | 6.718 | (0.922) | 673610 | 56.8229 | 56.82 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.726 | 6.708 | (0.922) | 114344 | 61.2299 | 61.23 |
| 35 Benzene | 78 | 6.795 | 6.777 | (0.931) | 1332879 | 51.9459 | 51.94 |
| * 38 Fluorobenzene | 96 | 7.298 | 7.270 | (1.000) | 1297461 | 50.0000 | |
| 39 Trichloroethene | 130 | 7.939 | 7.911 | (1.088) | 498403 | 51.2848 | 51.28 |
| $ 47 Toluene-d8 | 98 | 10.127 | 10.119 | (0.791) | 1287642 | 50.1891 | 50.19 |
| 48 Toluene (*) | 91 | 10.236 | 10.238 | (0.799) | 1346380 | 46.0047 | 46.00 |
| * 56 Chlorobenzene-d5 | 117 | 12.809 | 12.821 | (1.000) | 1039186 | 50.0000 | |
| 57 Chlorobenzene (**) | 112 | 12.858 | 12.870 | (1.004) | 931938 | 46.3991 | 46.40 |
| $ 67 4-Bromofluorobenzene | 95 | 15.136 | 15.148 | (0.867) | 1015516 | 52.0351 | 52.04 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.146 | 15.148 | (0.868) | 567075 | 51.0997 | 51.10 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.453 | 17.465 | (1.000) | 595697 | 50.0000 | |

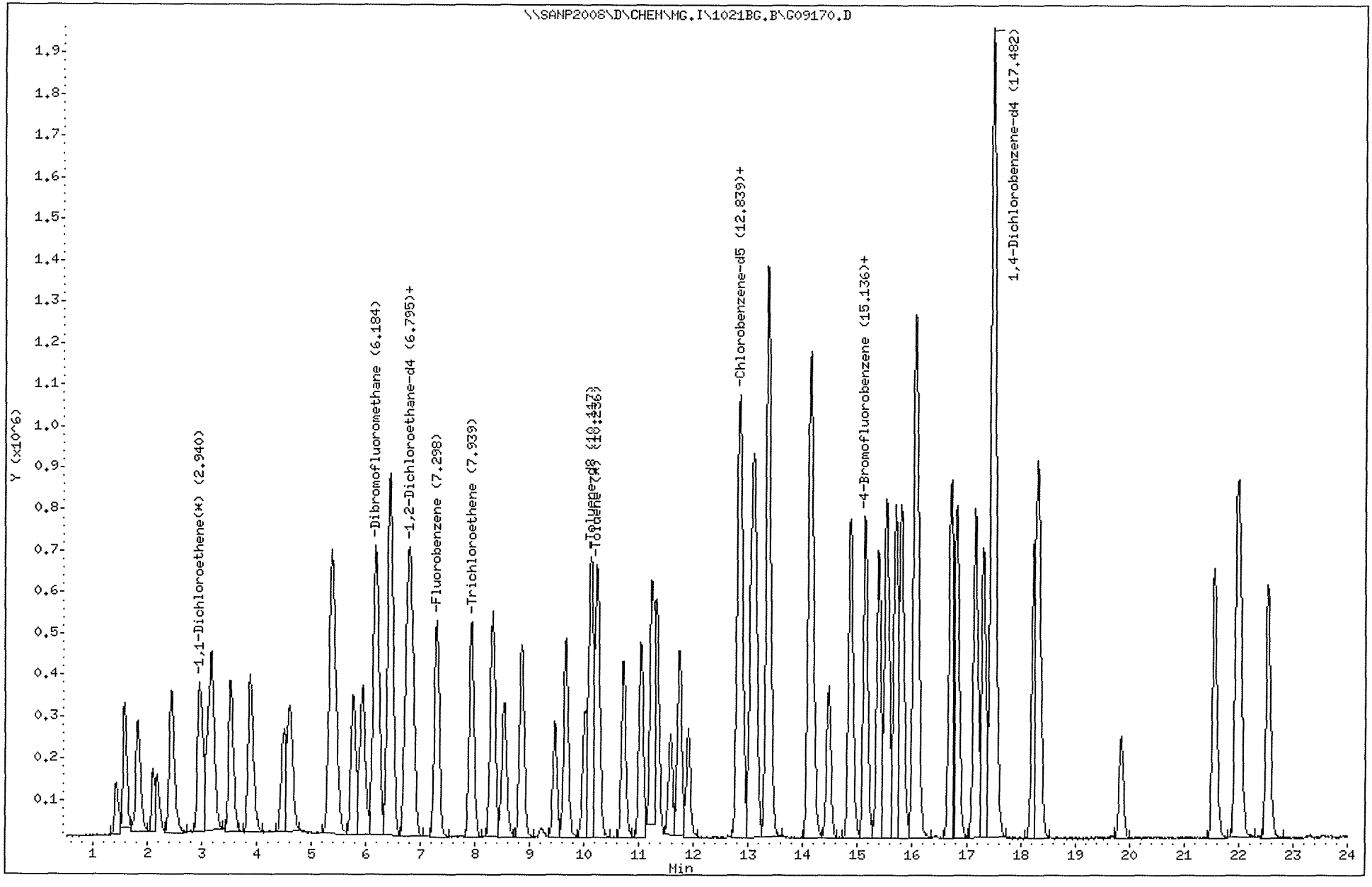
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09170.D
Date : 22-OCT-2000 01:38
Client ID: G09170
Sample Info: DLW5R102,MS,2,,0,1,0,8260BGS.M,G09170

Column phase: J&W DB-624



Instrument: mg.i

Operator: AD
Column diameter: 0.53




BOE-C6-0167640

00519

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09171.D
Lab Smp Id: DLW5R103 Client Smp ID: G09171
Inj Date : 22-OCT-2000 02:13
Operator : AD Inst ID: mg.i
Smp Info : DLW5R103,MD,2,,0,1,0,8260BGS.M,G09171
Misc Info : 272-6D,,5,,3,SPK.SUB,SH.SPK
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 6 QC Sample: MD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SPK.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 8 1,1-Dichloroethene(*) | 96 | 2.960 | 2.942 | (0.406) | 385151 | 59.0474 | 59.05 |
| $ 29 Dibromofluoromethane | 111 | 6.184 | 6.176 | (0.848) | 781758 | 52.5352 | 52.54 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.717 | 6.718 | (0.922) | 656594 | 55.6209 | 55.62 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.726 | 6.708 | (0.923) | 115879 | 62.3131 | 62.31 |
| 35 Benzene | 78 | 6.786 | 6.777 | (0.931) | 1324035 | 51.8187 | 51.82 |
| * 38 Fluorobenzene | 96 | 7.289 | 7.270 | (1.000) | 1292017 | 50.0000 | |
| 39 Trichloroethene | 130 | 7.920 | 7.911 | (1.087) | 486779 | 50.2999 | 50.30 |
| $ 47 Toluene-d8 | 98 | 10.118 | 10.119 | (0.790) | 1260496 | 50.3258 | 50.32 |
| 48 Toluene (*) | 91 | 10.236 | 10.238 | (0.799) | 1342118 | 46.9743 | 46.97 |
| * 56 Chlorobenzene-d5 | 117 | 12.810 | 12.821 | (1.000) | 1014514 | 50.0000 | |
| 57 Chlorobenzene (**) | 112 | 12.869 | 12.870 | (1.005) | 919947 | 46.9159 | 46.92 |
| $ 67 4-Bromofluorobenzene | 95 | 15.137 | 15.148 | (0.867) | 1034130 | 53.1550 | 53.16 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.867) | 562769 | 50.8707 | 50.87 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.453 | 17.465 | (1.000) | 593835 | 50.0000 | |

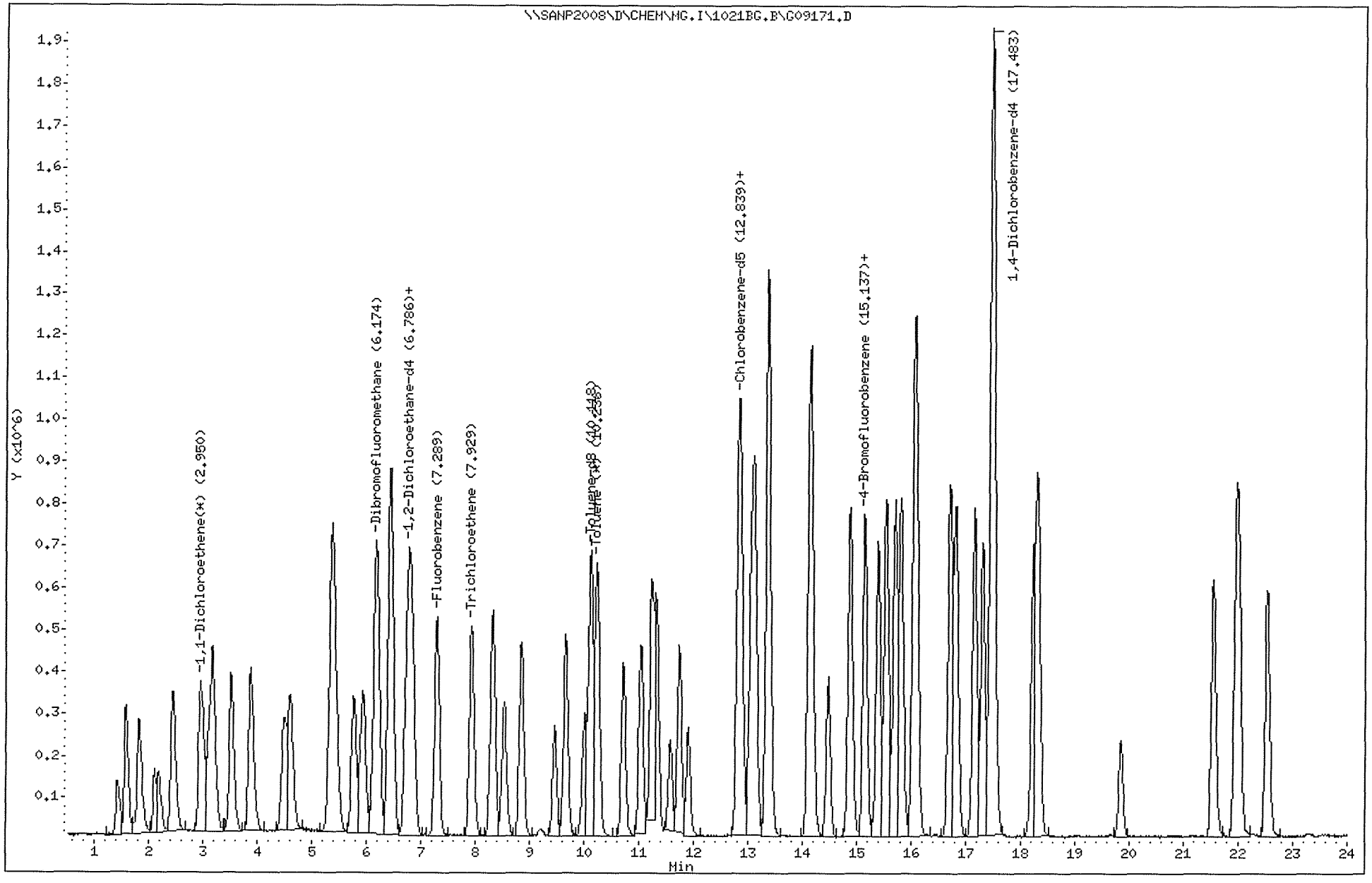
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09171.D
Date : 22-OCT-2000 02:13
Client ID: G09171
Sample Info: DLW5R103,MD,2,,0,1,0,8260BGS.M,G09171

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53






000521

BOE-C6-0167642

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D
Lab Smp Id: DLW5V101 Client Smp ID: G09172
Inj Date : 22-OCT-2000 02:47
Operator : AD Inst ID: mg.i
Smp Info : DLW5V101,,2,,0,1,0,8260BGS.M,G09172
Misc Info : 272-7,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.059 | 3.040 | (0.420) | 14189 | 5.64992 | 5.65 |
| 26 Chloroform (*) | 83 | 5.899 | 5.929 | (0.809) | 49447 | 2.71210 | 2.71(aQ) |
| $ 29 Dibromofluoromethane | 111 | 6.175 | 6.176 | (0.847) | 736523 | 49.2588 | 49.26 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.717 | 6.718 | (0.922) | 604948 | 51.0009 | 51.00 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.697 | 6.708 | (0.919) | 108003 | 57.8003 | 57.80 |
| * 38 Fluorobenzene | 96 | 7.289 | 7.270 | (1.000) | 1298223 | 50.0000 | |
| $ 47 Toluene-d8 | 98 | 10.119 | 10.119 | (0.790) | 1240518 | 50.3068 | 50.31 |
| * 56 Chlorobenzene-d5 | 117 | 12.810 | 12.821 | (1.000) | 998813 | 50.0000 | |
| $ 67 4-Bromofluorobenzene | 95 | 15.147 | 15.148 | (0.867) | 979733 | 51.4099 | 51.41 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.867) | 531129 | 49.0125 | 49.01 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.464 | 17.465 | (1.000) | 581697 | 50.0000 | (Q) |

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D
Lab Smp Id: DLW5V101 Client Smp ID: G09172
Inj Date : 22-OCT-2000 02:47
Operator : AD Inst ID: mg.i
Smp Info : DLW5V101,,2,,0,1,0,8260BGS.M,G09172
Misc Info : 272-7,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.289 | 3280186 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.423 | 835920 | 12.7419650 | 12.74 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW5V101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09172
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown a1 | 1.423 | 12.74 | J |

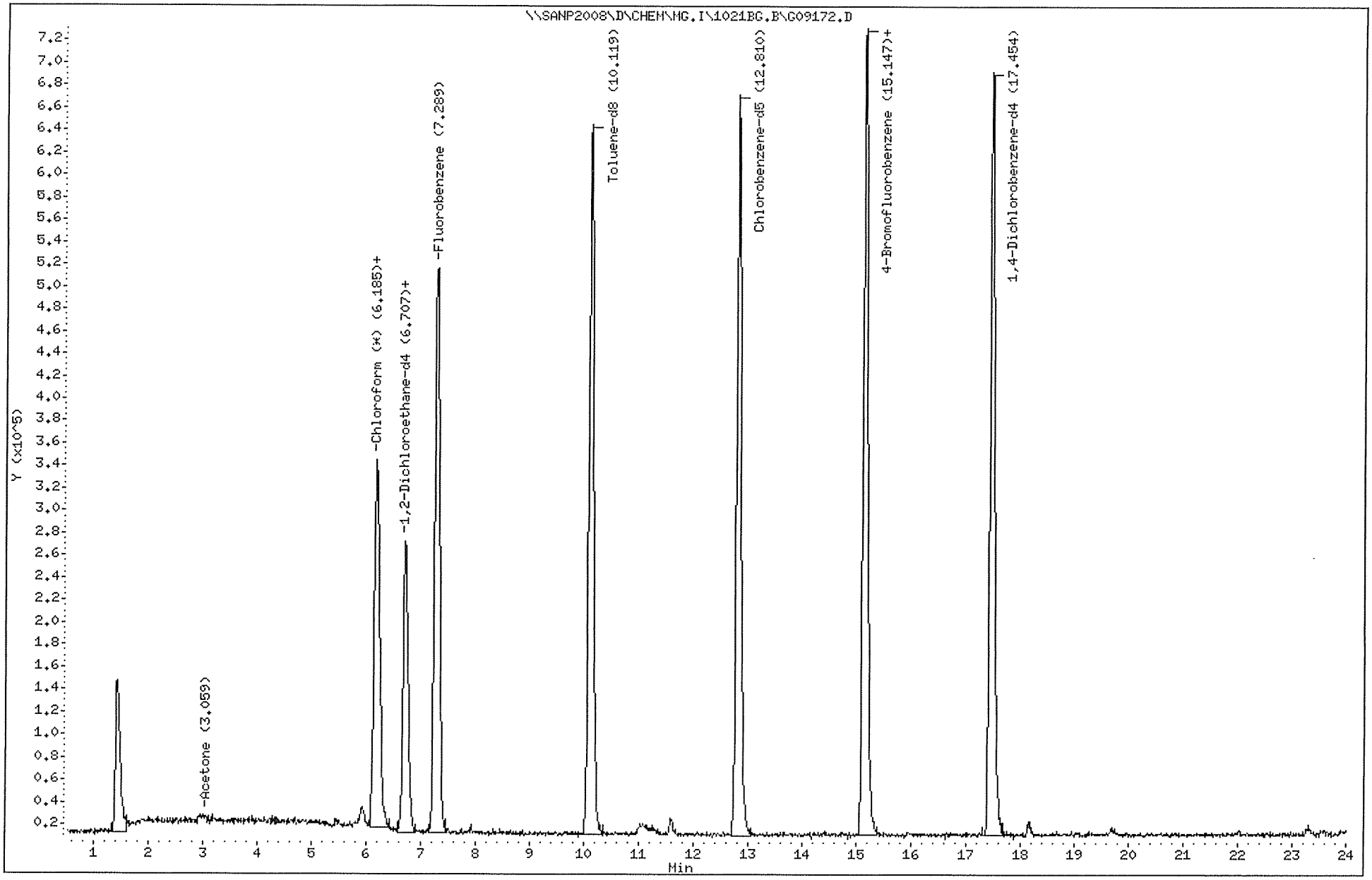
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D
Date : 22-OCT-2000 02:47
Client ID: G09172
Sample Info: DLW5W101,,2,,0,1,0,8260BGS.M,G09172

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53






000526

BOE-C6-0167647

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D

Date : 22-OCT-2000 02:47

Client ID: G09172

Instrument: mg.i

Sample Info: DLW5V101,,2,,0,1,0,8260BGS.M,G09172

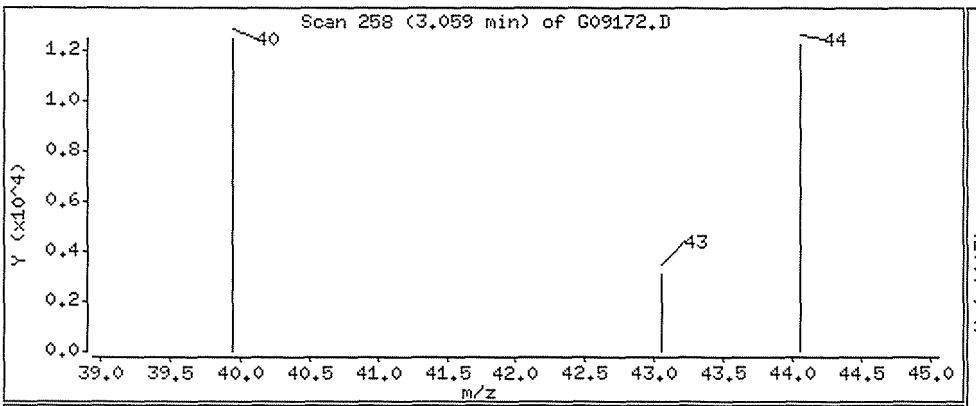
Operator: AD

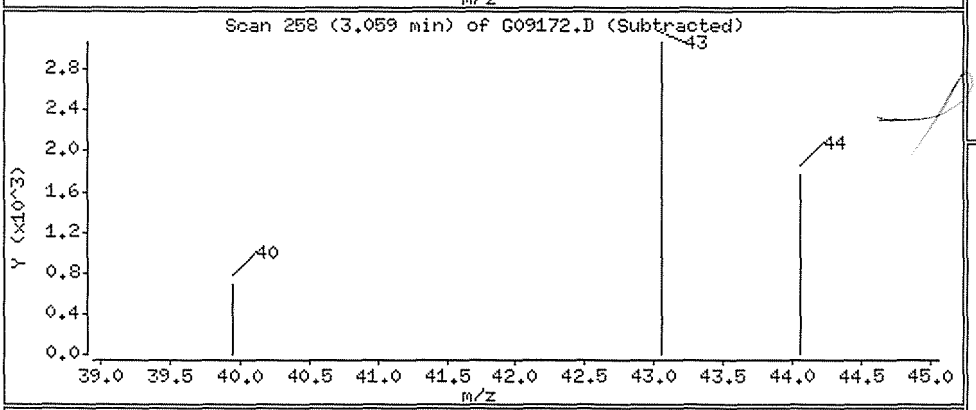
Column phase: J&W DB-624

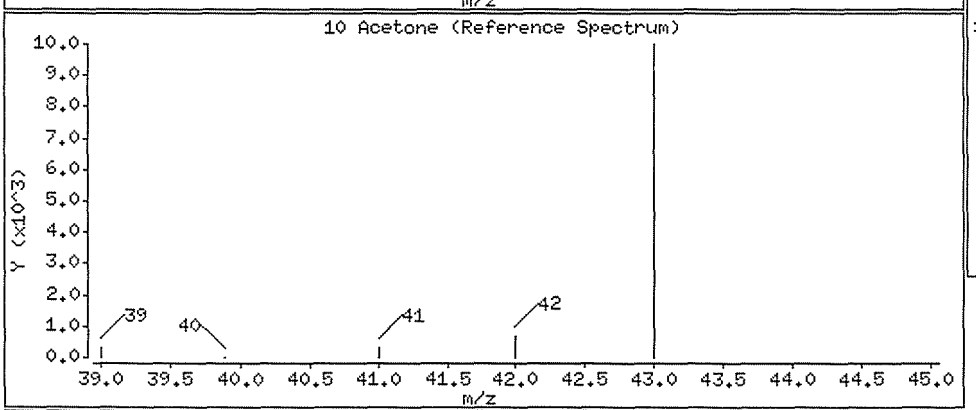
Column diameter: 0.53

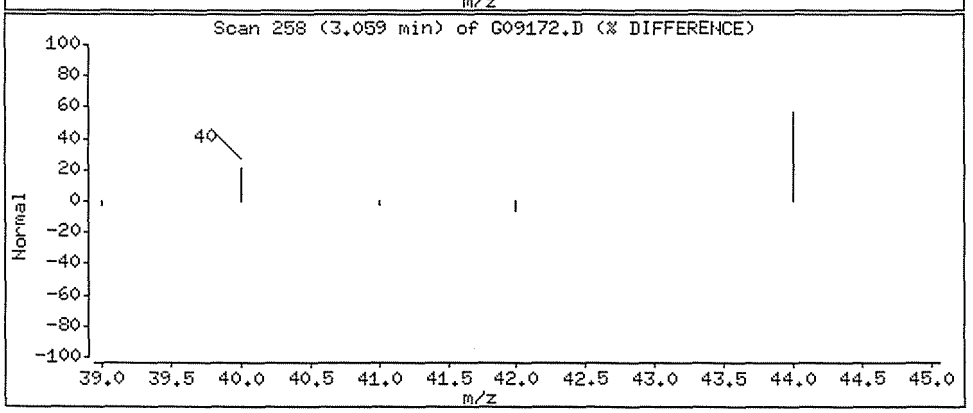
10 Acetone

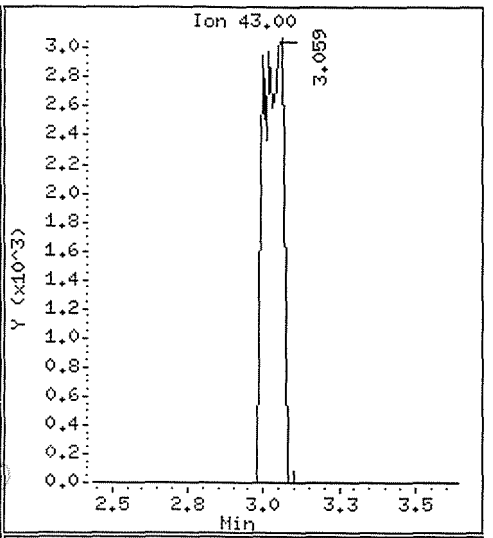
Concentration: 5.65 ug/Kg

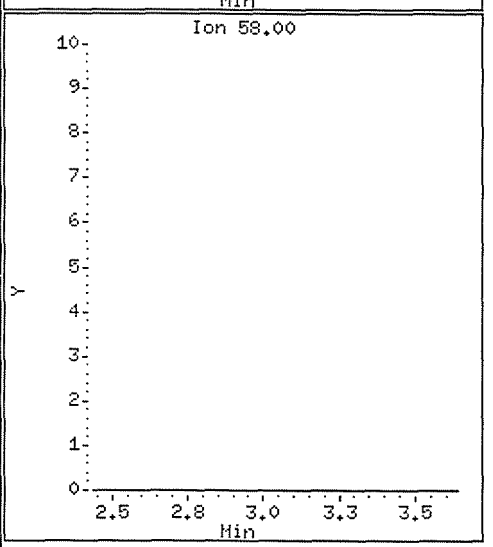


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D

Date : 22-OCT-2000 02:47

Client ID: G09172

Instrument: mg.i

Sample Info: DLW5V101,,2,,0,1,0,8260BGS.M,G09172

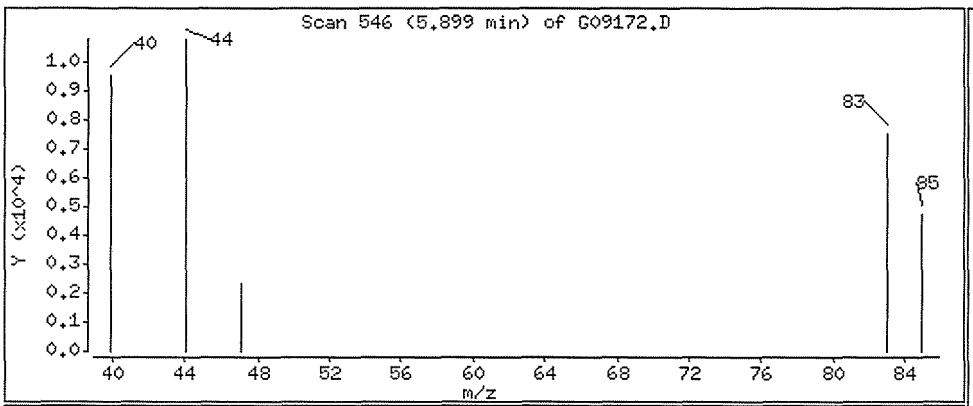
Operator: AD

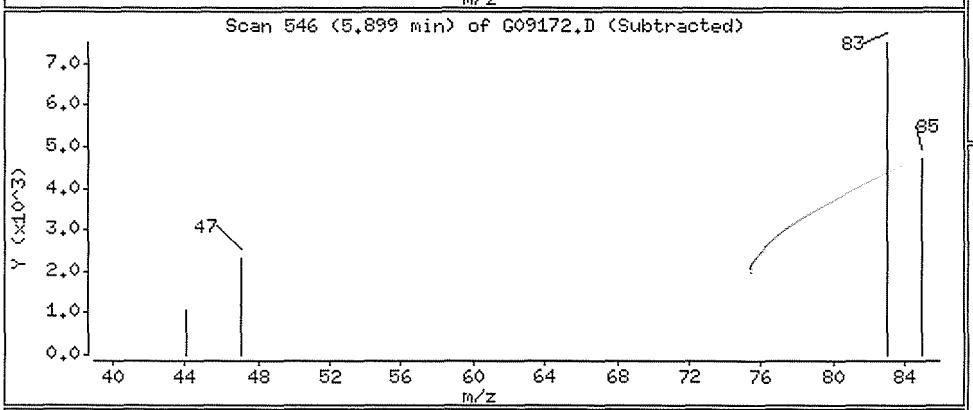
Column phase: J&W DB-624

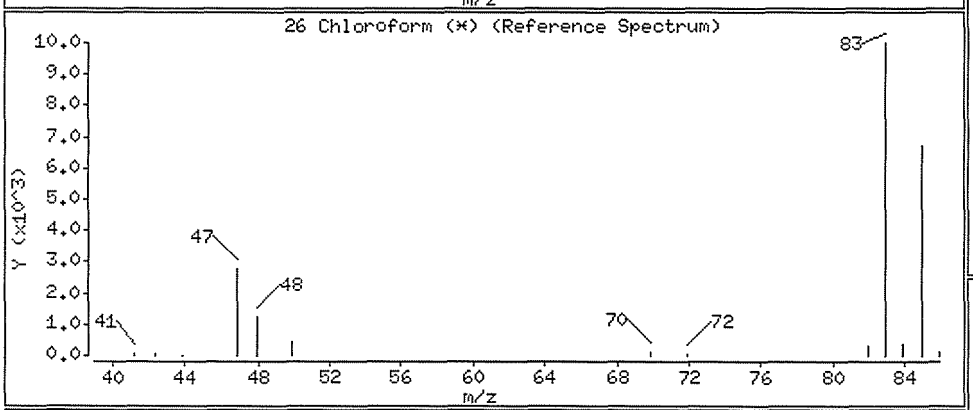
Column diameter: 0.53

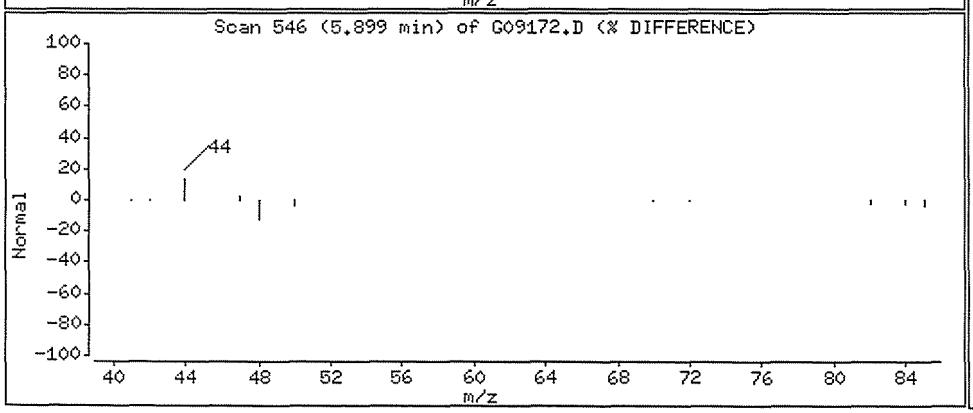
26 Chloroform (*)

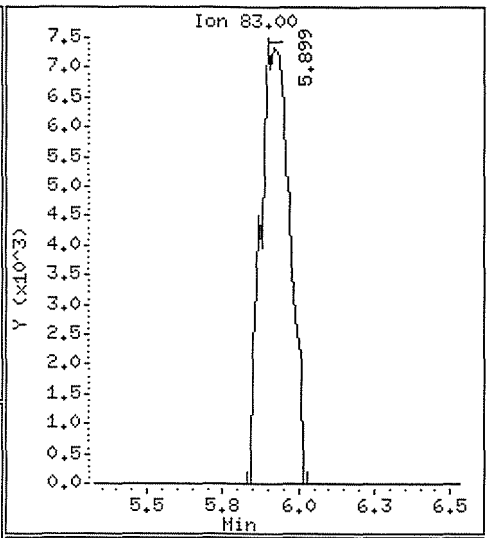
Concentration: 2.71 ug/Kg

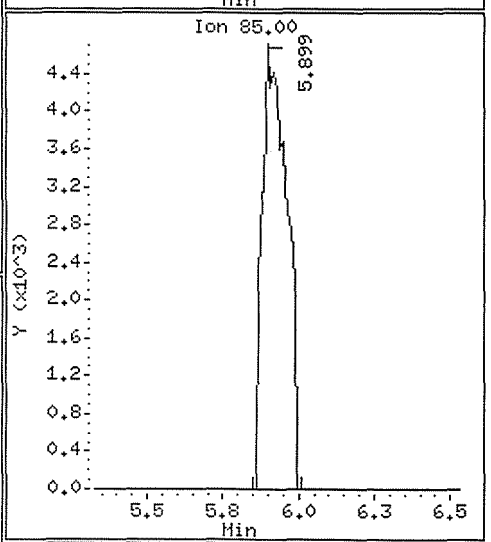


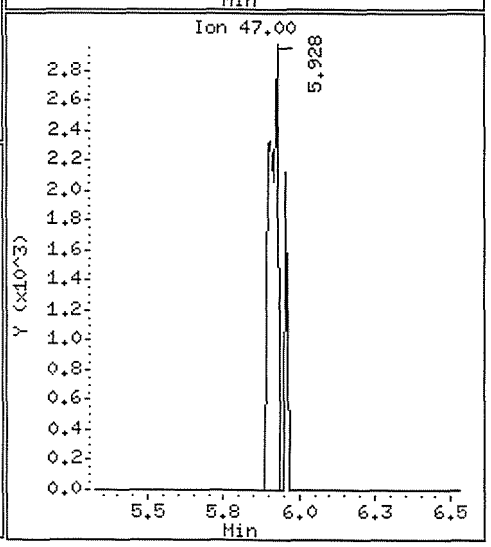



Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D

Date : 22-OCT-2000 02:47

Client ID: G09172

Instrument: mg.i

Sample Info: DLW5V101,,2,,0,1,0,8260BGS.M,G09172

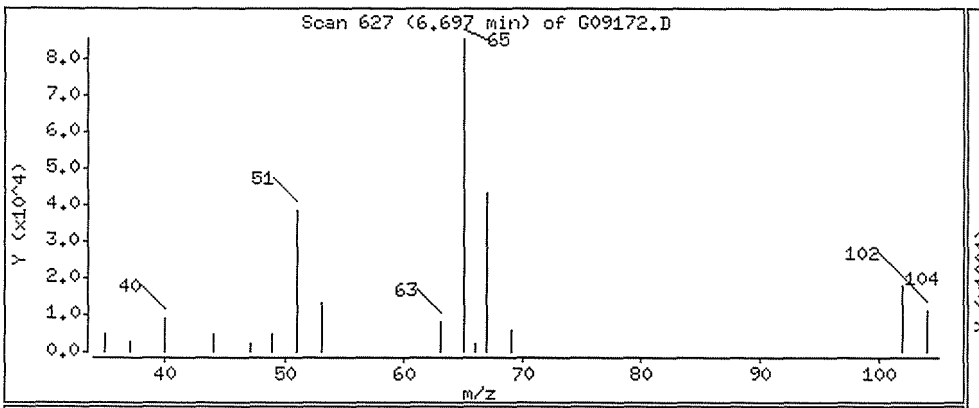
Operator: AD

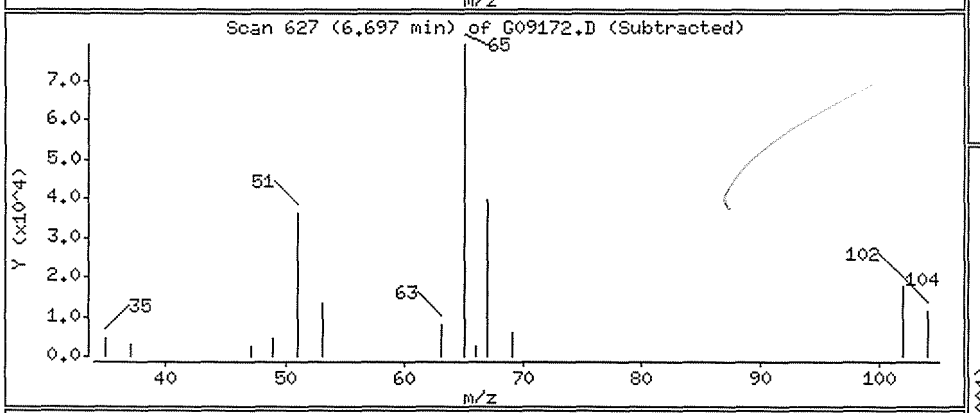
Column phase: J&W DB-624

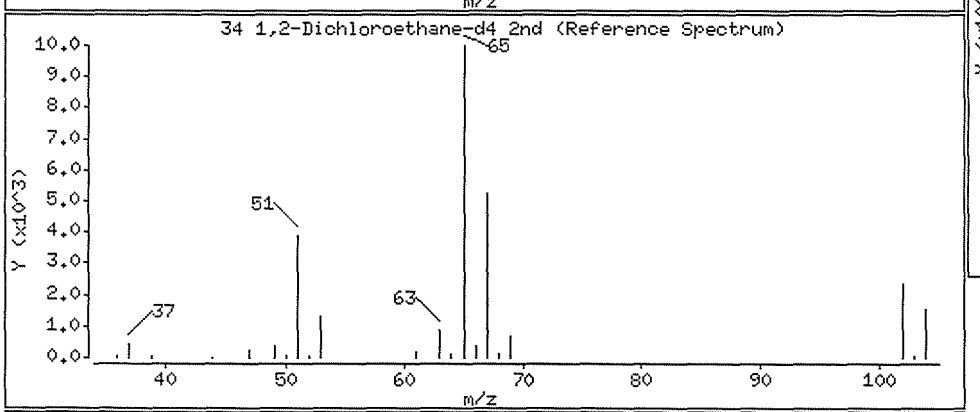
Column diameter: 0.53

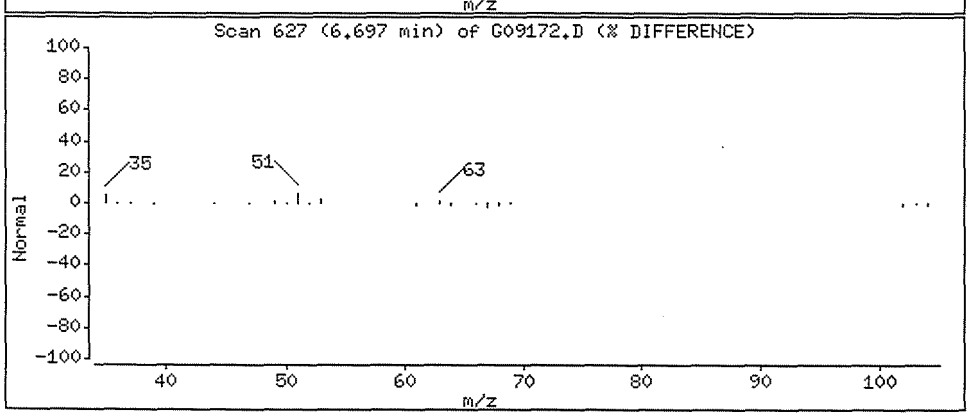
34 1,2-Dichloroethane-d4 2nd

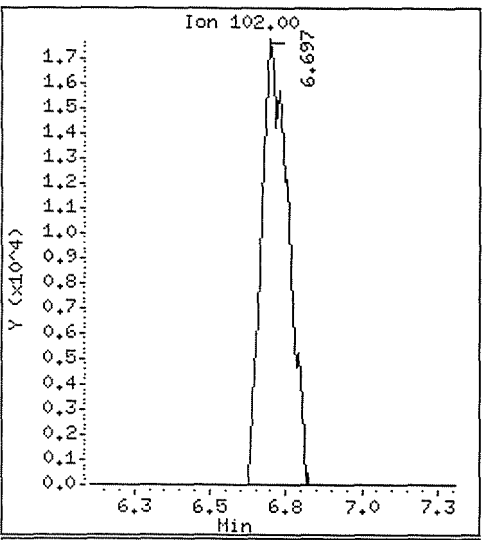
Concentration: 57.80 ug/Kg

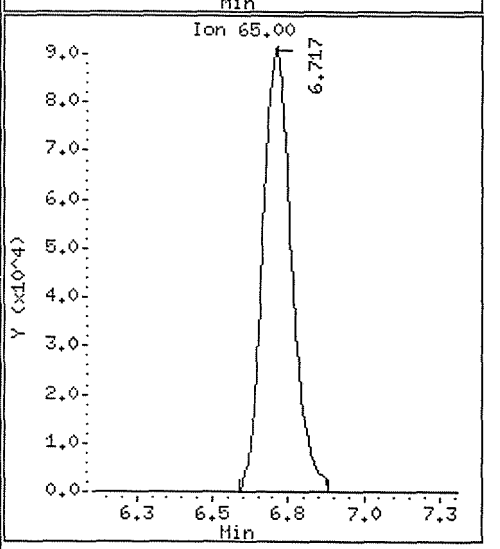


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09172.D

Date : 22-OCT-2000 02:47

Client ID: G09172

Instrument: mg.i

Sample Info: DLW5V101,,2,,0,1,0,8260BGS.M,G09172

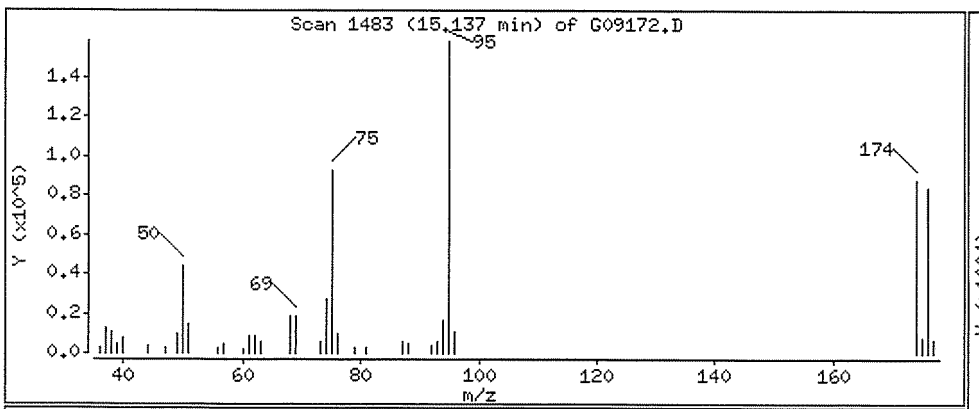
Operator: AD

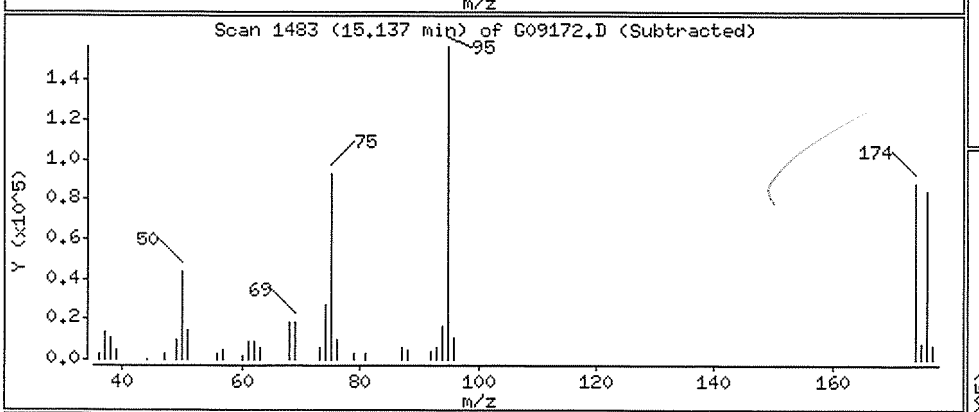
Column phase: J&W DB-624

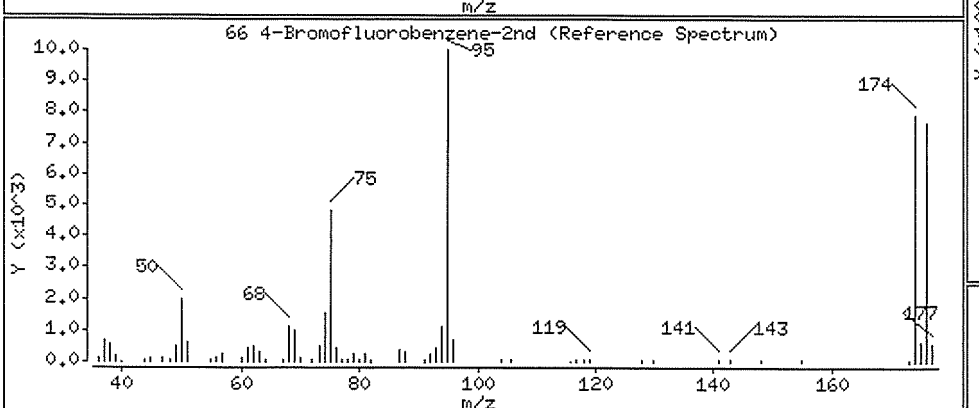
Column diameter: 0.53

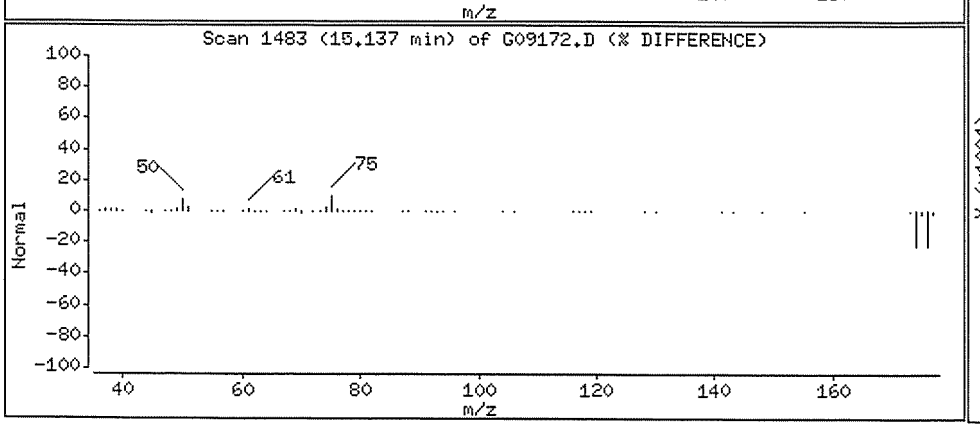
66 4-Bromofluorobenzene-2nd

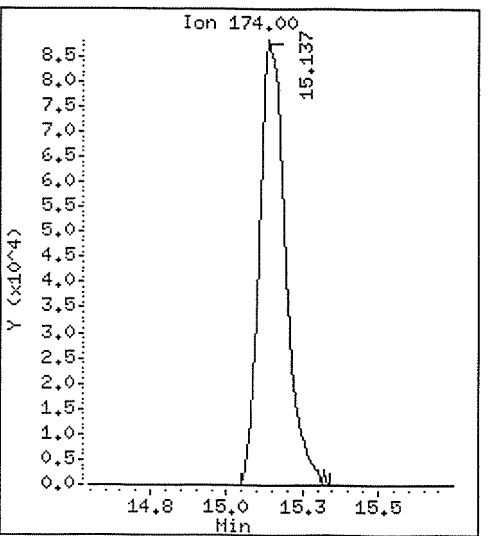
Concentration: 49.01 ug/Kg

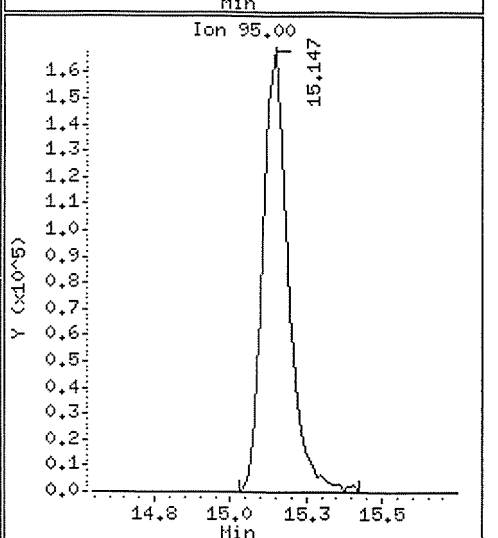


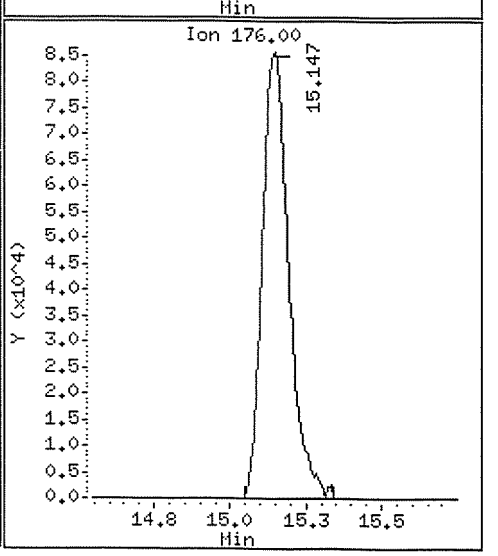



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09173.D
Lab Smp Id: DLW60101 Client Smp ID: G09173
Inj Date : 22-OCT-2000 03:22
Operator : AD Inst ID: mg.i
Smp Info : DLW60101,,2,,0,1,0,8260BGS.M,G09173
Misc Info : 272-8,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.225 | 6.176 | (0.848) | 696991 | 52.7975 | 52.80 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.757 | 6.718 | (0.921) | 522691 | 49.9109 | 49.91 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.757 | 6.708 | (0.921) | 86497 | 52.4308 | 52.43 | |
| * 38 Fluorobenzene | 96 | 7.339 | 7.270 | (1.000) | 1146198 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.139 | 10.119 | (0.791) | 1044122 | 55.8152 | 55.82 | |
| * 56 Chlorobenzene-d5 | 117 | 12.821 | 12.821 | (1.000) | 757716 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.148 | 15.148 | (0.868) | 755524 | 60.1401 | 60.14 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.138 | 15.148 | (0.867) | 421124 | 58.9513 | 58.95 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.455 | 17.465 | (1.000) | 383460 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09173.D
Lab Smp Id: DLW60101 Client Smp ID: G09173
Inj Date : 22-OCT-2000 03:22
Operator : AD Inst ID: mg.i
Smp Info : DLW60101,,2,,0,1,0,8260BGS.M,G09173
Misc Info : 272-8,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.339 | 2888284 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.443 | 1264681 | 21.8932895 | 21.89 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW60101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09173
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

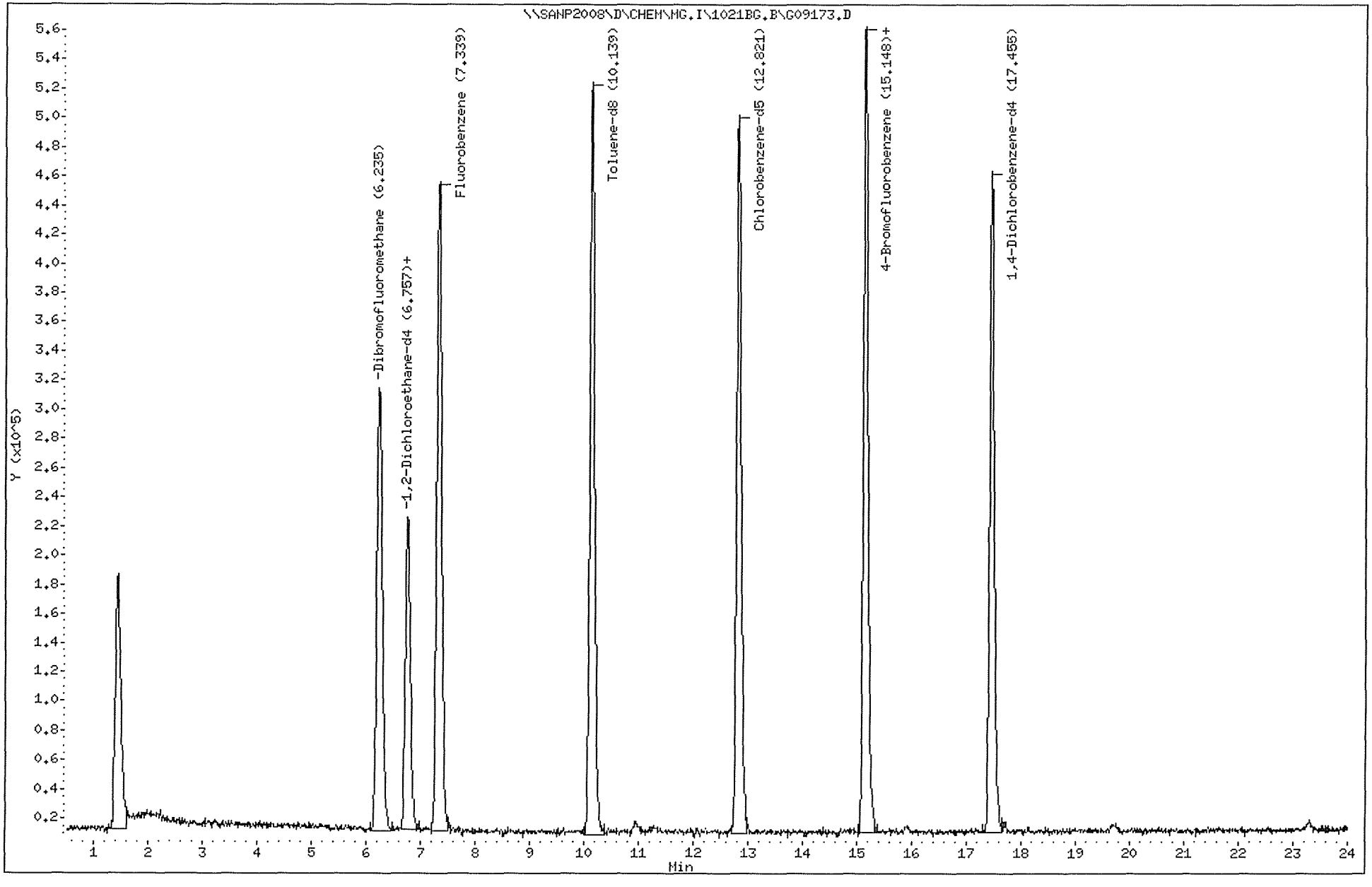
CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown air | 1.443 | 21.89 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09173.D
Date : 22-OCT-2000 03:22
Client ID: G09173
Sample Info: DLW60101,,2,,0,1,0,8260BGS.M,G09173

Instrument: mg.i

Operator: AD
Column phase: J&W DB-624
Column diameter: 0.53




00534

BOE-C6-0167655

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09173.D

Date : 22-OCT-2000 03:22

Client ID: G09173

Instrument: mg.i

Sample Info: DLW60101,,2,,0,1,0,8260BGS.M,G09173

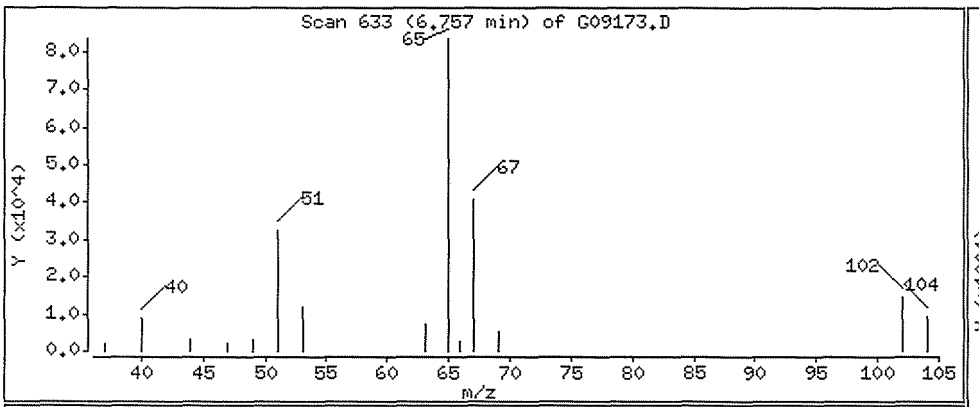
Operator: AD

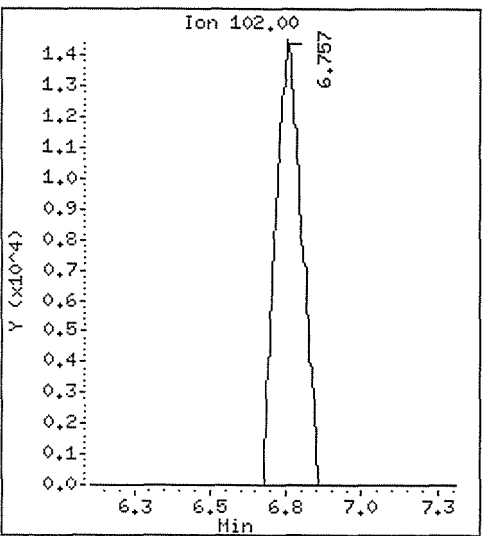
Column phase: J&W DB-624

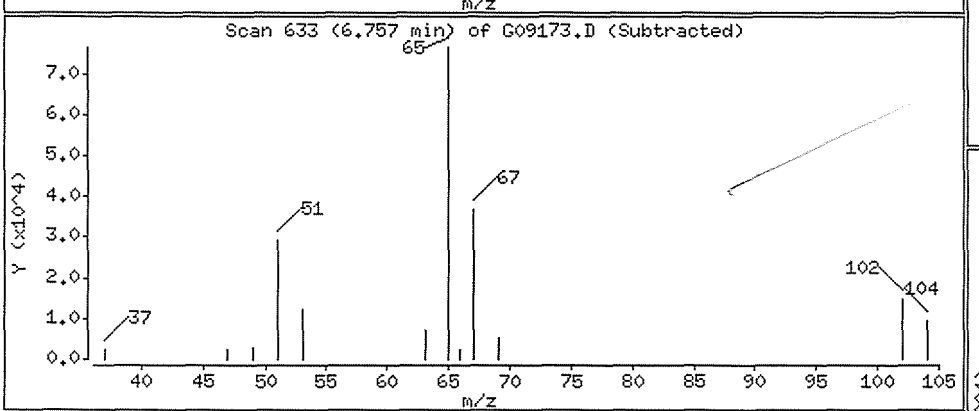
Column diameter: 0.53

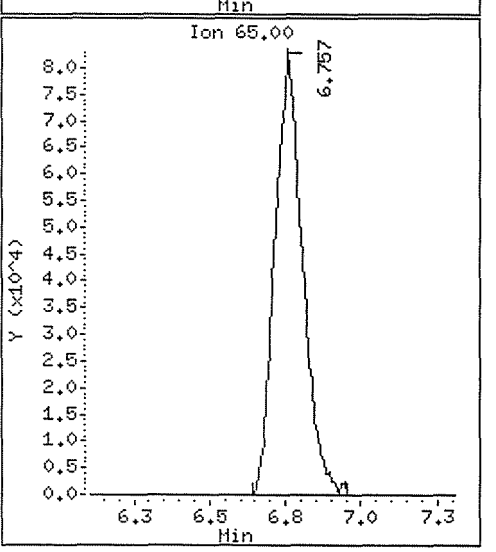
34 1,2-Dichloroethane-d4 2nd

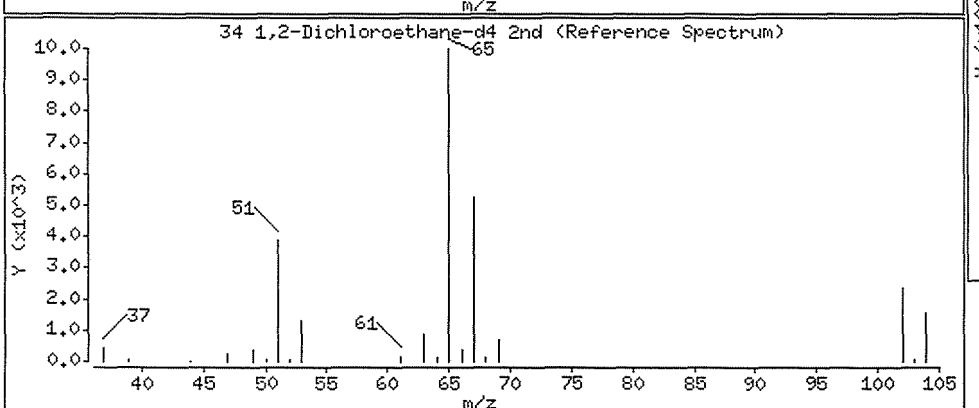
Concentration: 52.43 ug/Kg

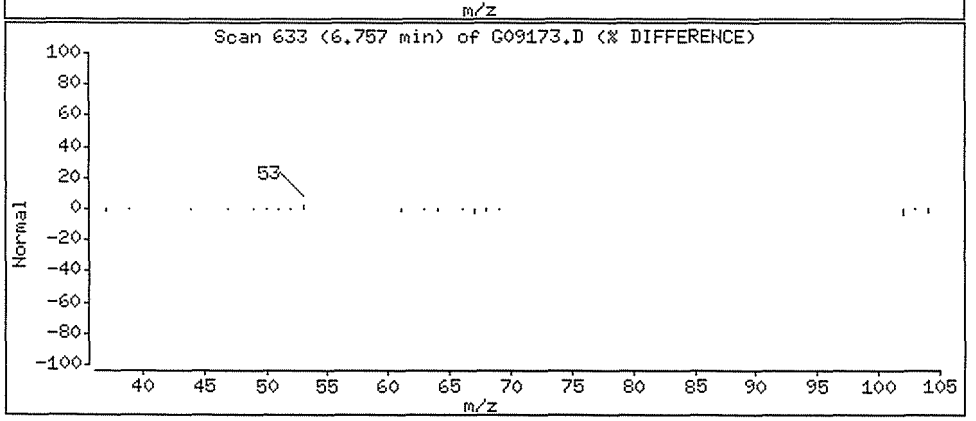


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09173.D

Date : 22-OCT-2000 03:22

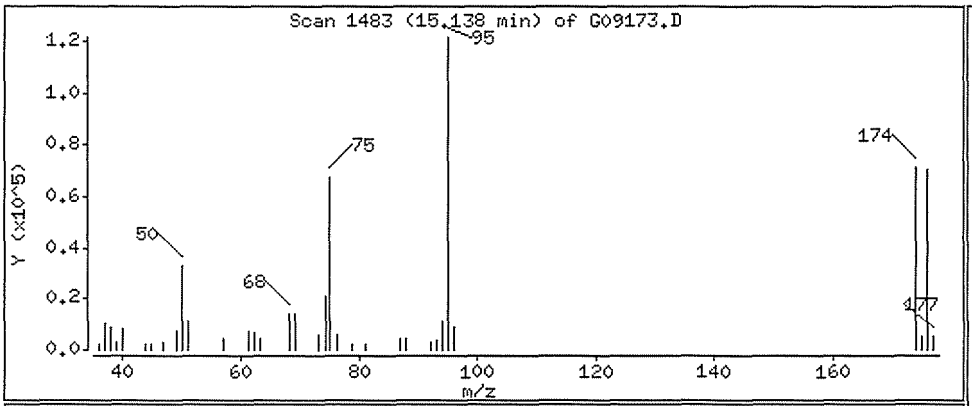
Client ID: G09173 Instrument: mg.i

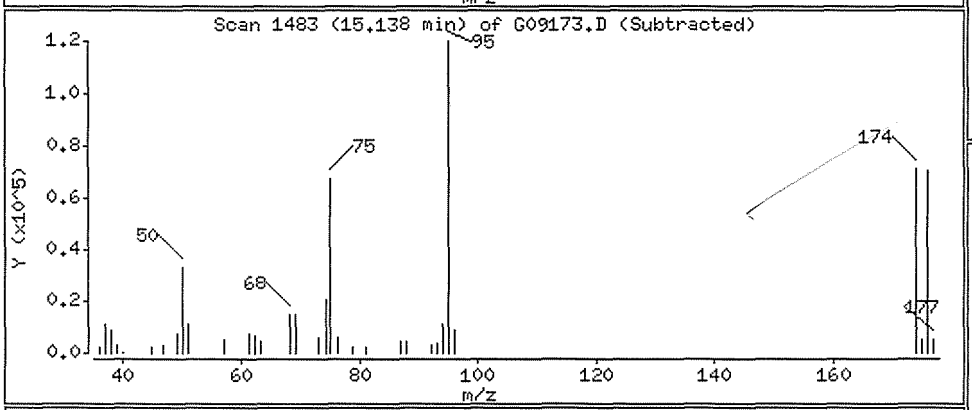
Sample Info: DLW60101,,2,,0,1,0,8260BGS.M,G09173

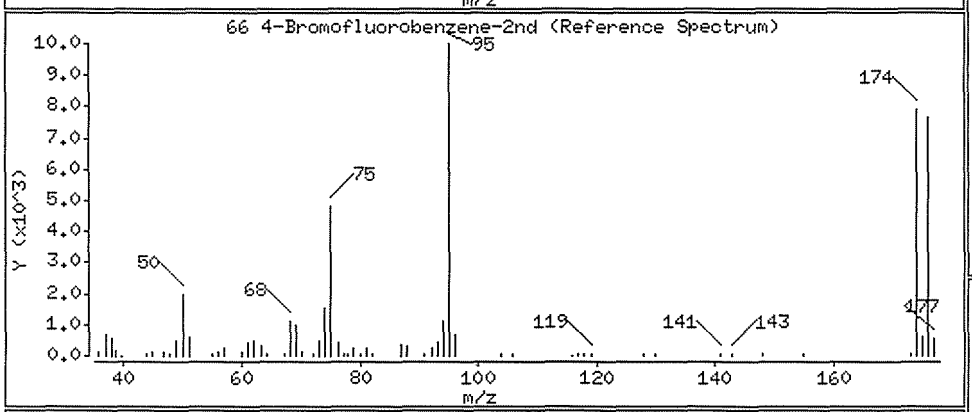
Operator: AD

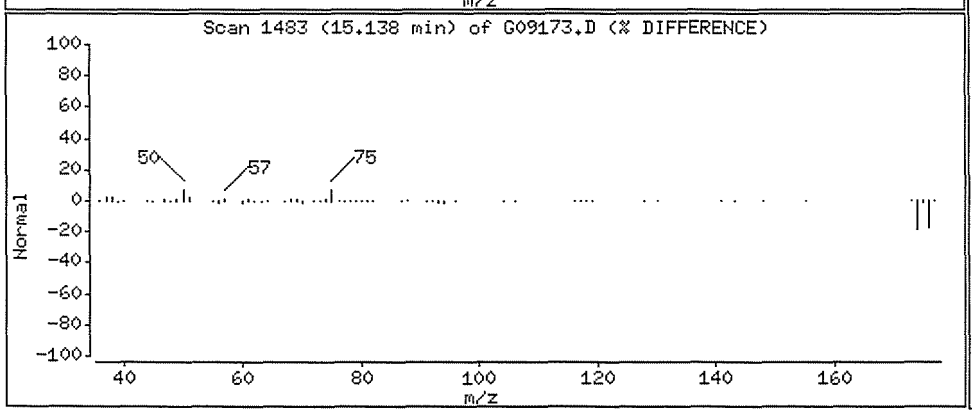
Column phase: J&W DB-624 Column diameter: 0.53

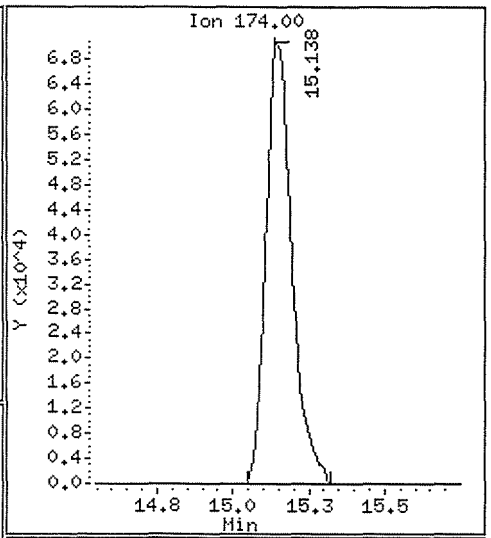
66 4-Bromofluorobenzene-2nd Concentration: 58.95 ug/Kg

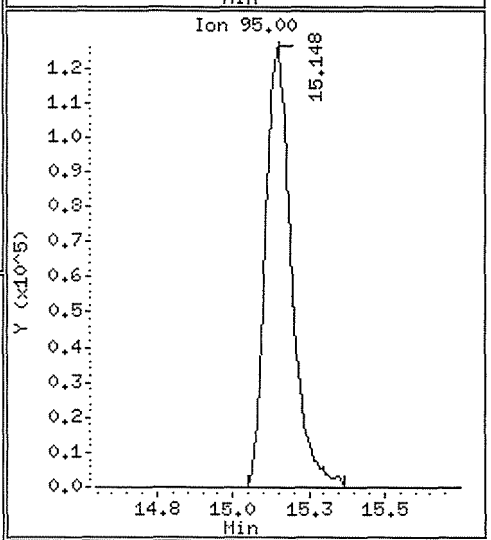


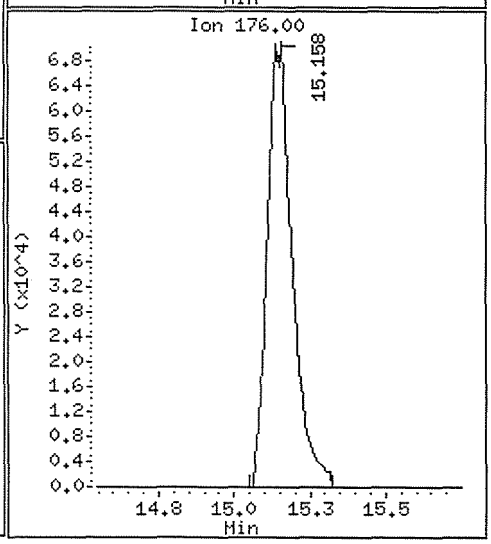



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09174.D
Lab Smp Id: DLW62101 Client Smp ID: G09174
Inj Date : 22-OCT-2000 03:56
Operator : AD Inst ID: mg.i
Smp Info : DLW62101,,2,,0,1,0,8260BGS.M,G09174
Misc Info : 272-9,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.185 | 6.176 | (0.849) | 791435 | 51.4796 | 51.48 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.717 | 6.718 | (0.922) | 682154 | 55.9327 | 55.93 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.707 | 6.708 | (0.920) | 118653 | 61.7581 | 61.76 | |
| * 38 Fluorobenzene | 96 | 7.289 | 7.270 | (1.000) | 1334832 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.119 | 10.119 | (0.790) | 1289206 | 49.8320 | 49.83 | |
| * 56 Chlorobenzene-d5 | 117 | 12.810 | 12.821 | (1.000) | 1047905 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.137 | 15.148 | (0.868) | 1040525 | 52.1215 | 52.12 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.868) | 565626 | 49.8267 | 49.83 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.444 | 17.465 | (1.000) | 609356 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09174.D
Lab Smp Id: DLW62101 Client Smp ID: G09174
Inj Date : 22-OCT-2000 03:56
Operator : AD Inst ID: mg.i
Smp Info : DLW62101,,2,,0,1,0,8260BGS.M,G09174
Misc Info : 272-9,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.289 | 3340594 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.413 | 962010 | 14.3987873 | 14.40 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW62101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09174
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | Unknown alk | 1.413 | 14.40 | J |

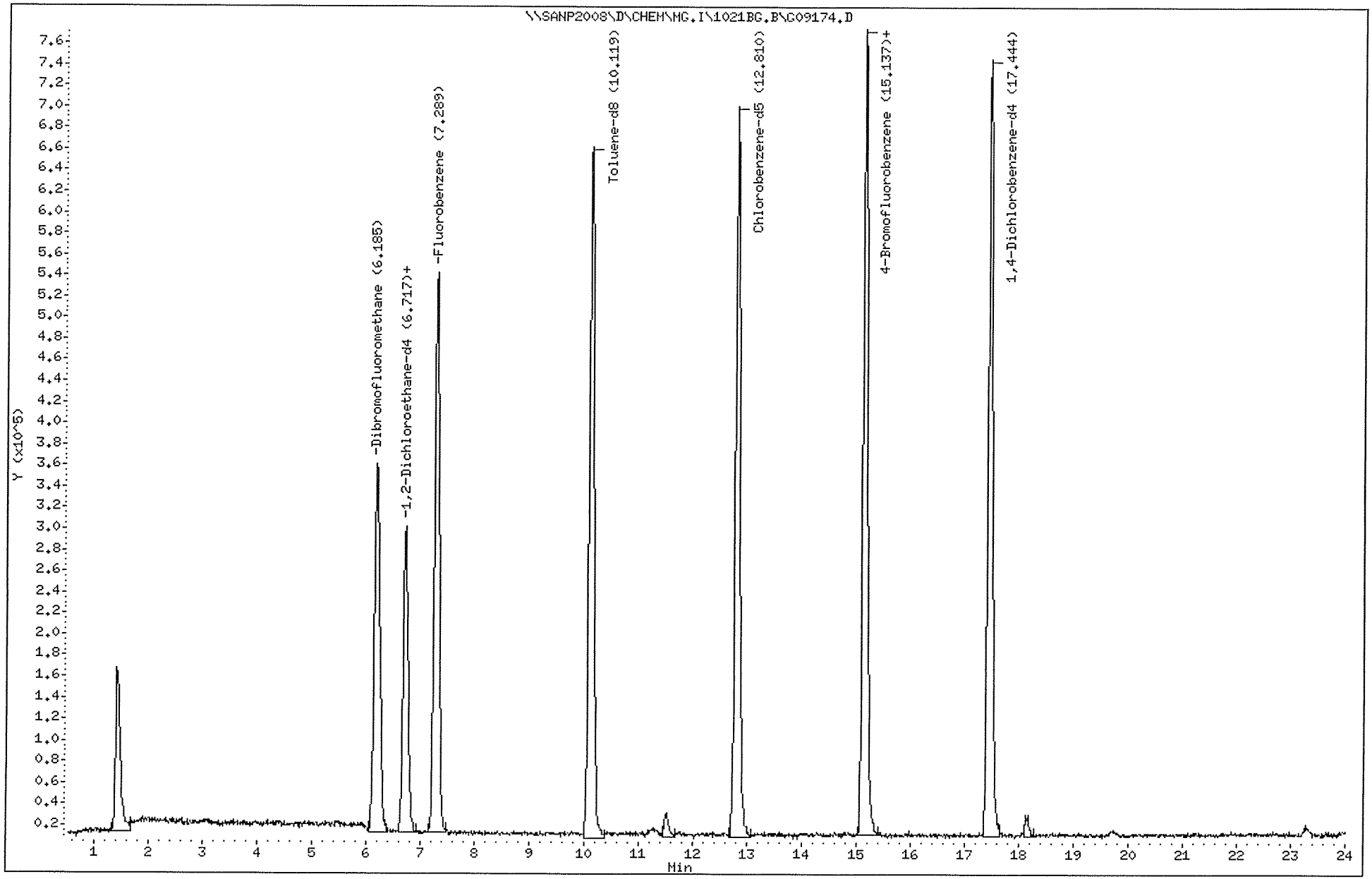
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09174.D
Date : 22-OCT-2000 03:56
Client ID: G09174
Sample Info: DLW62101,,2,,0,1,0,8260BGS.M,G09174

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53






000540

BOE-C6-0167661

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09174.D

Date : 22-OCT-2000 03:56

Client ID: G09174

Instrument: mg.i

Sample Info: DLW62101,,2,,0,1,0,8260BGS.M,G09174

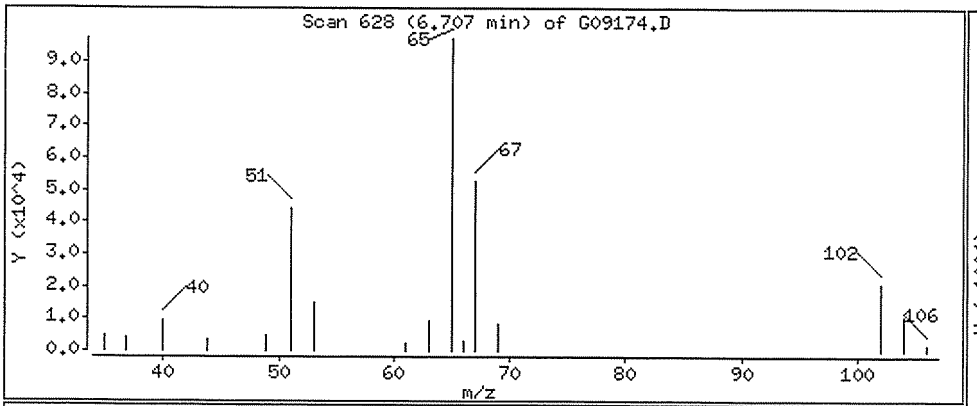
Operator: AD

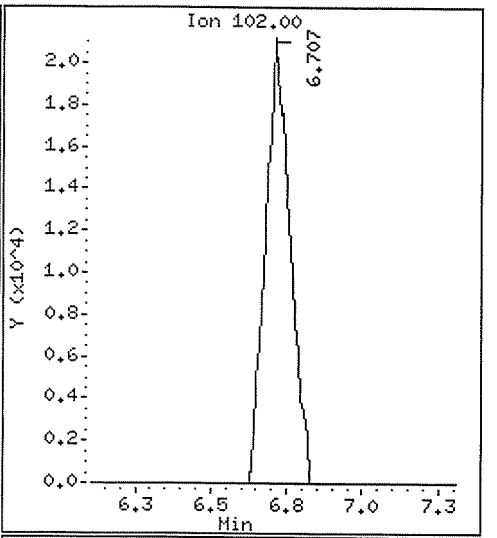
Column phase: J&W DB-624

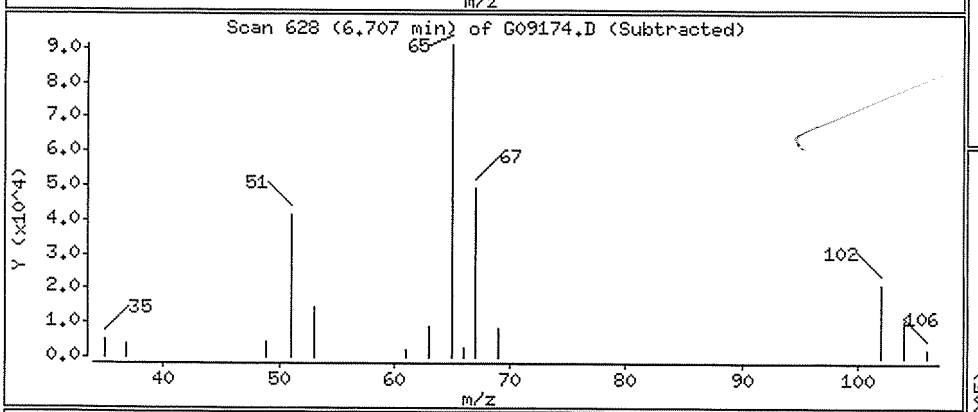
Column diameter: 0.53

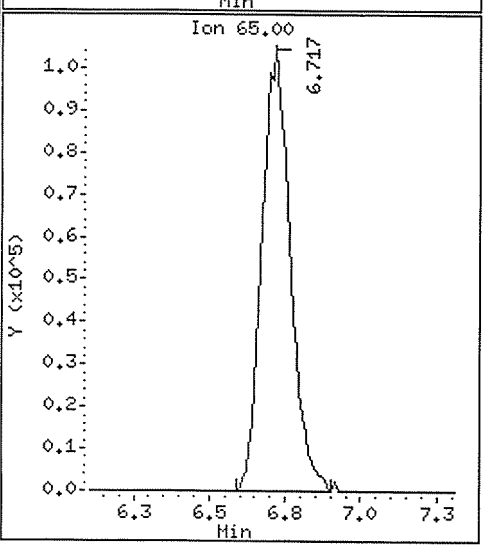
34 1,2-Dichloroethane-d4 2nd

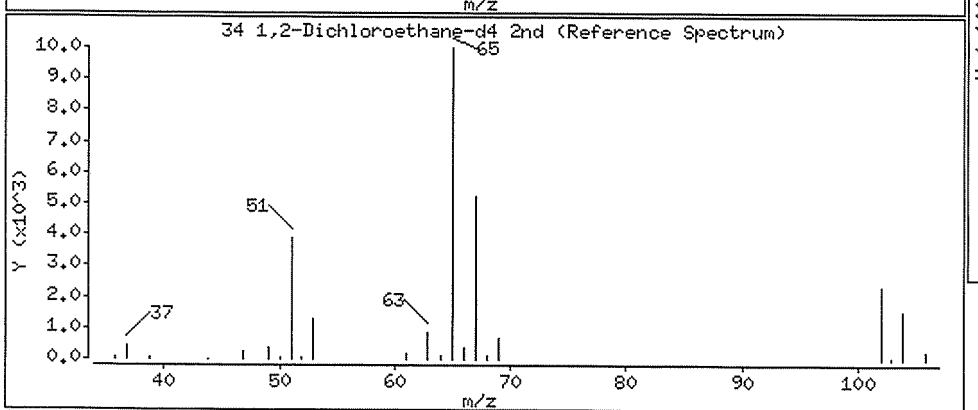
Concentration: 61.76 ug/Kg

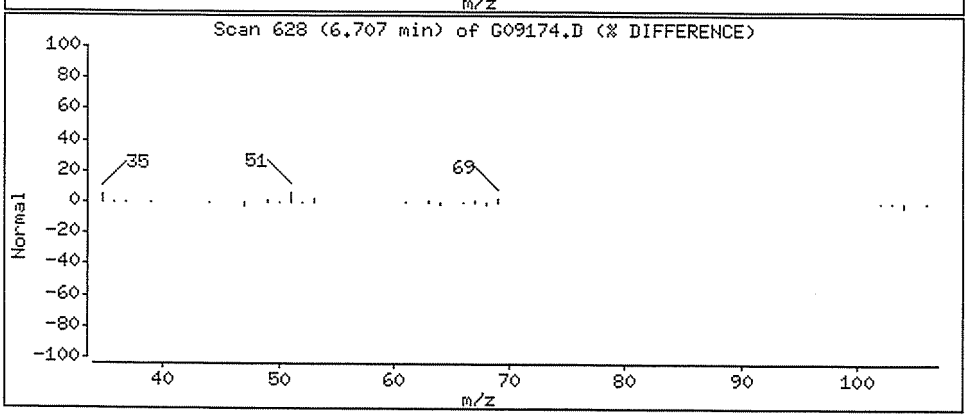


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09174.D

Date : 22-OCT-2000 03:56

Client ID: G09174

Instrument: mg.i

Sample Info: DLW62101,,2,,0,1,0,8260BGS.M,G09174

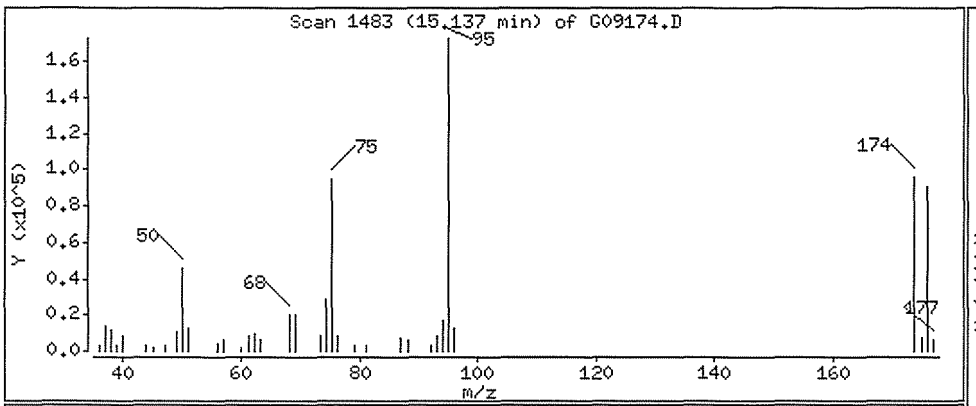
Operator: AD

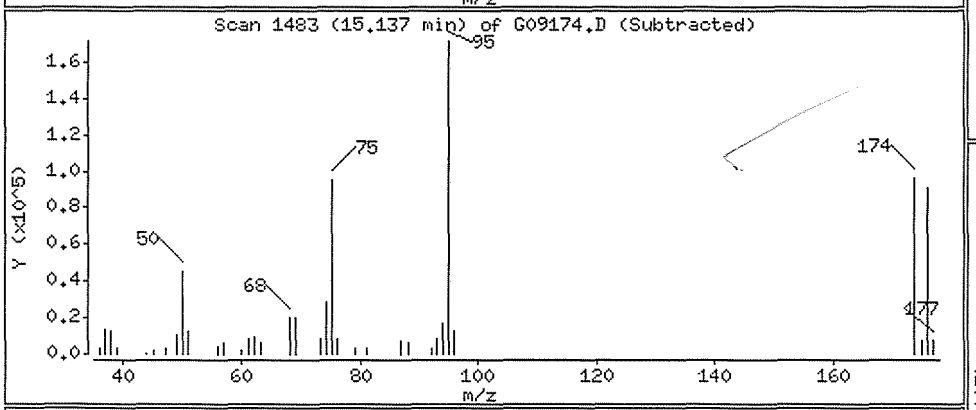
Column phase: J&W DB-624

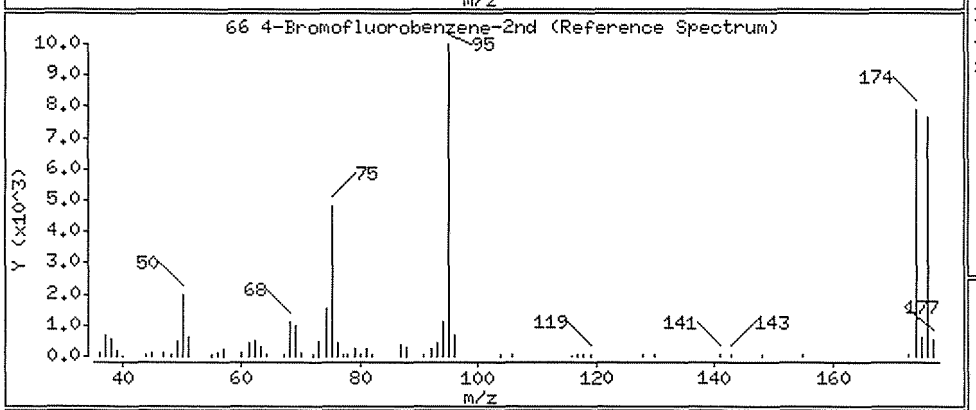
Column diameter: 0.53

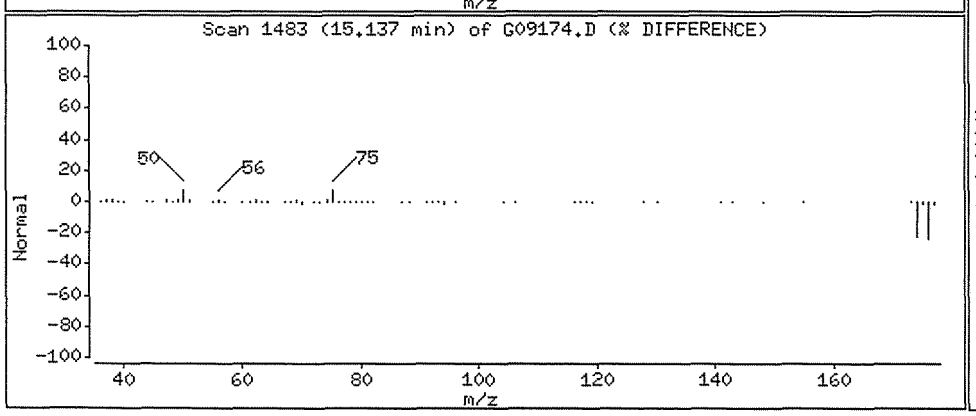
66 4-Bromofluorobenzene-2nd

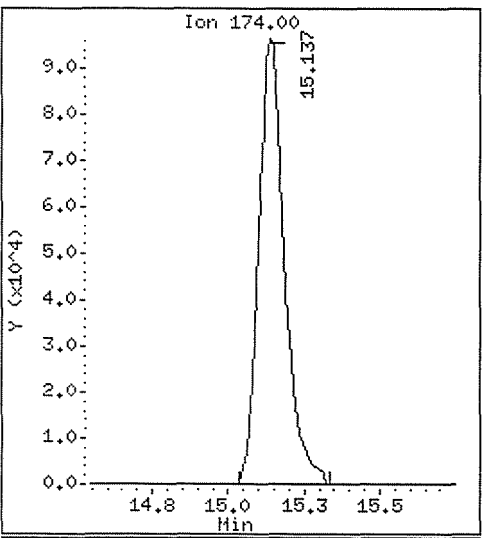
Concentration: 49.83 ug/Kg

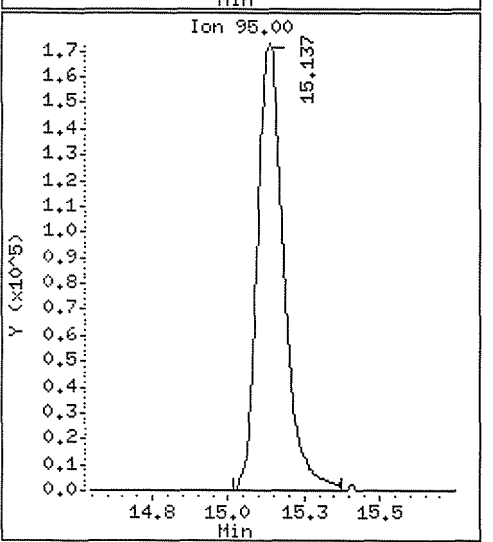


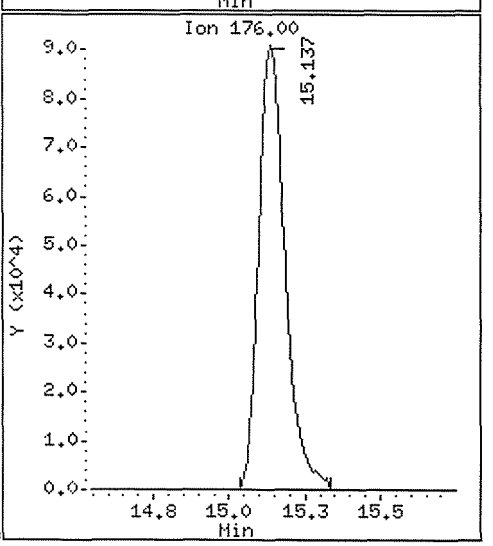



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09175.D
Lab Smp Id: DLW63101 Client Smp ID: G09175
Inj Date : 22-OCT-2000 04:30
Operator : AD Inst ID: mg.i
Smp Info : DLW63101,,2,,0,1,0,8260BGS.M,G09175
Misc Info : 272-10,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.030 | 3.040 | (0.416) | 24186 | 9.76906 | 9.77 | |
| $ 29 Dibromofluoromethane | 111 | 6.185 | 6.176 | (0.849) | 767203 | 52.0489 | 52.05 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.718 | 6.718 | (0.922) | 625657 | 53.5058 | 53.50 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.708 | 6.708 | (0.920) | 110337 | 59.8991 | 59.90 | |
| * 38 Fluorobenzene | 96 | 7.289 | 7.270 | (1.000) | 1279809 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.109 | 10.119 | (0.790) | 1256353 | 51.2037 | 51.20 | |
| * 56 Chlorobenzene-d5 | 117 | 12.801 | 12.821 | (1.000) | 993844 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.137 | 15.148 | (0.868) | 969486 | 51.8177 | 51.82 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.868) | 529982 | 49.8157 | 49.82 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.444 | 17.465 | (1.000) | 571083 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09175.D
Lab Smp Id: DLW63101 Client Smp ID: G09175
Inj Date : 22-OCT-2000 04:30
Operator : AD Inst ID: mg.i
Smp Info : DLW63101,,2,,0,1,0,8260BGS.M,G09175
Misc Info : 272-10,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.289 | 3254936 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.413 | 1021000 | 15.6838655 | 15.68 | 0 | | 0 | 38 |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09175.D

Date : 22-OCT-2000 04:30

Client ID: G09175

Sample Info: DLW63101,,2,,0,1,0,8260BGS.M,G09175

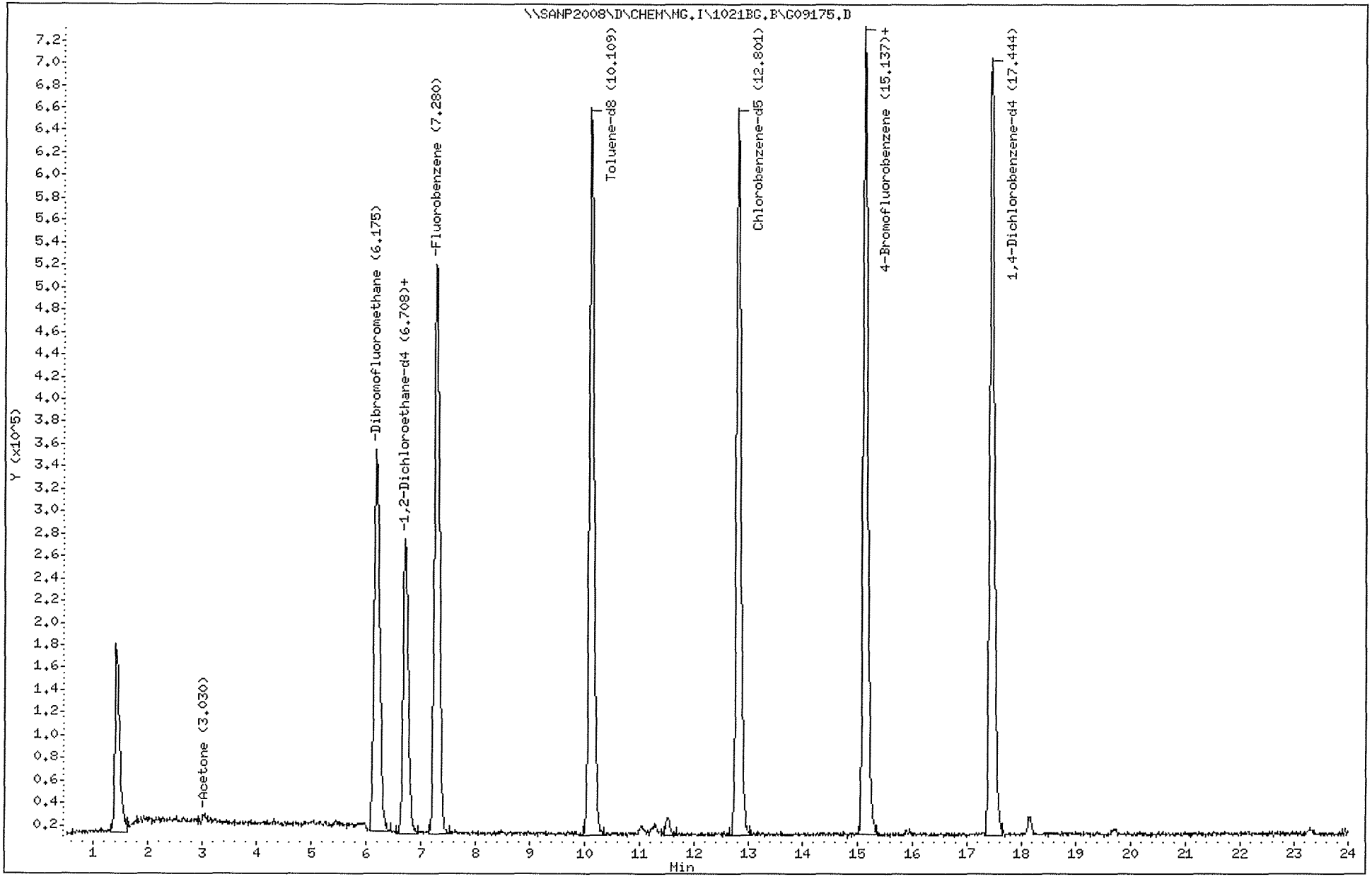
Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53






BOE-C6-0167667

000546

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09175.D

Date : 22-OCT-2000 04:30

Client ID: G09175

Instrument: mg.i

Sample Info: DLW63101,,2,,0,1,0,8260BGS.M,G09175

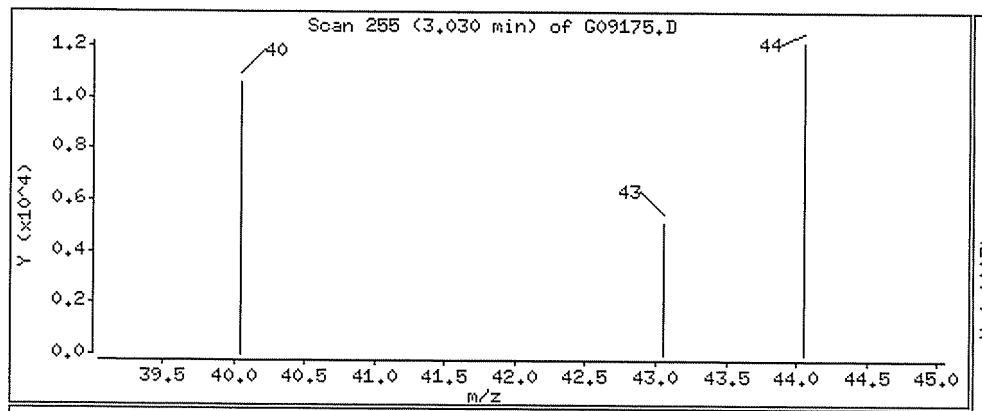
Operator: AD

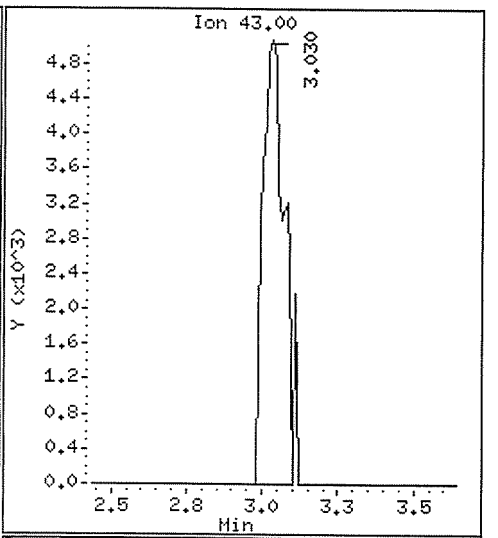
Column phase: J&W DB-624

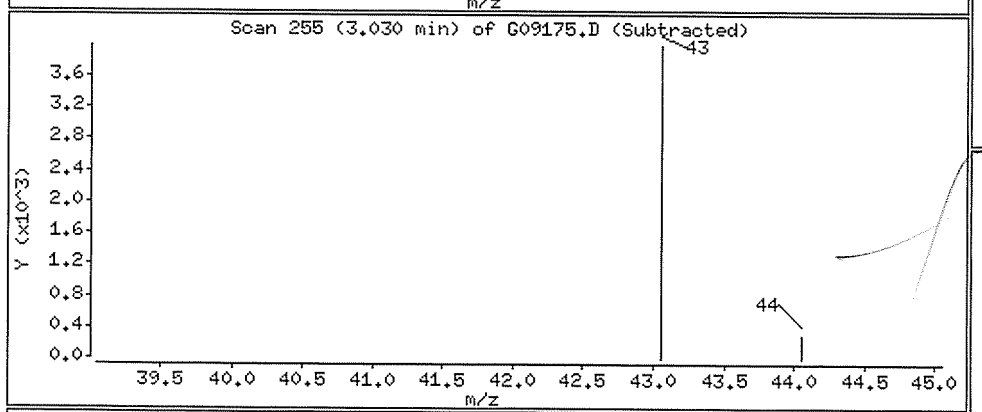
Column diameter: 0.53

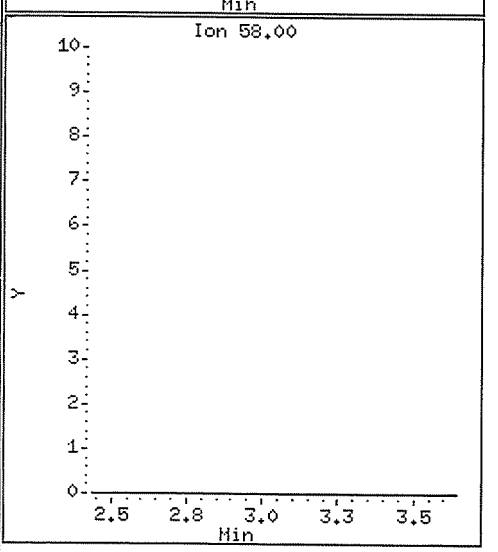
10 Acetone

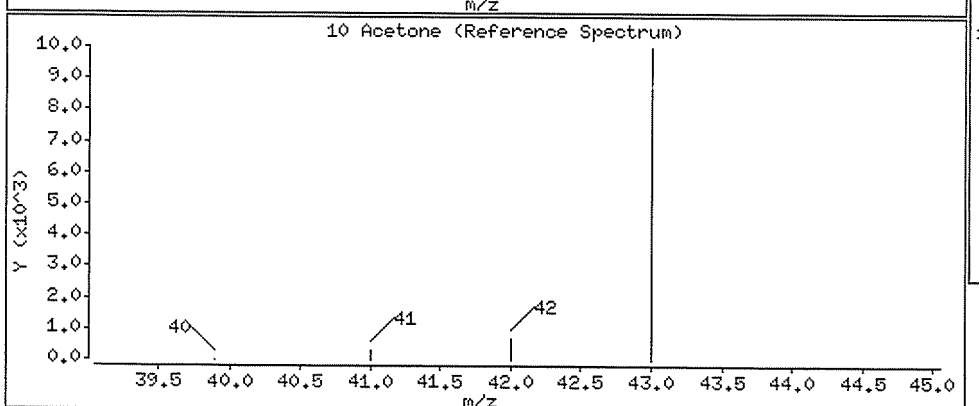
Concentration: 9.77 ug/Kg

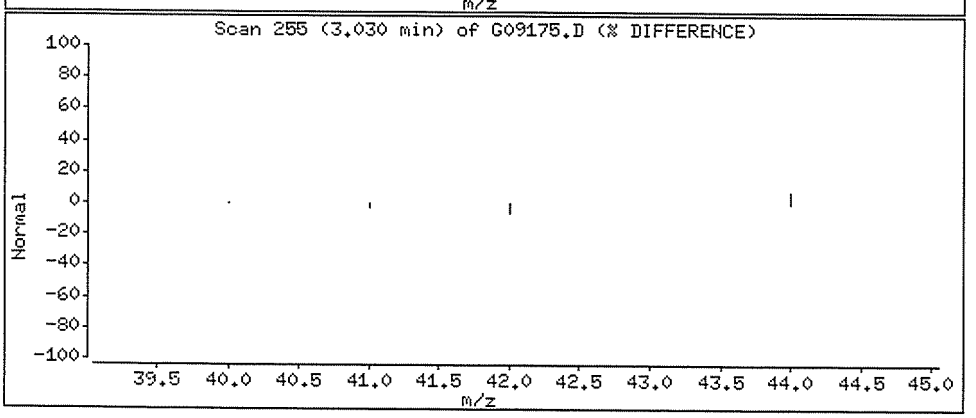


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09175.D

Date : 22-OCT-2000 04:30

Client ID: G09175

Instrument: mg.i

Sample Info: DLW63101,,2,,0,1,0,8260BGS.M,G09175

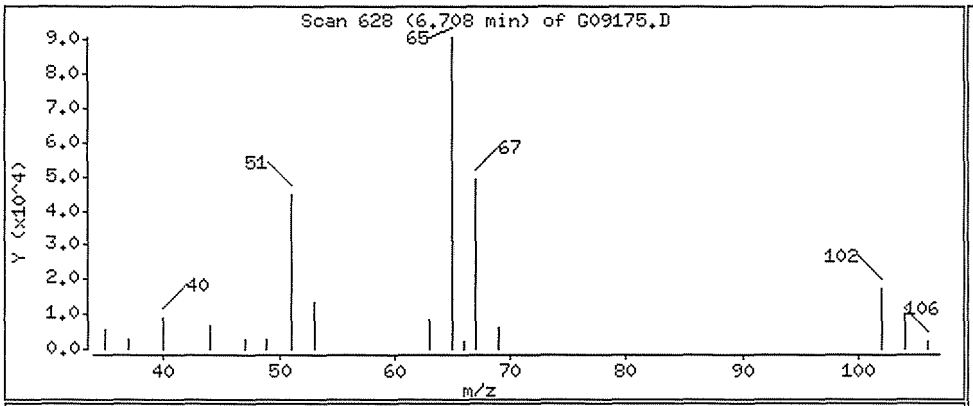
Operator: AD

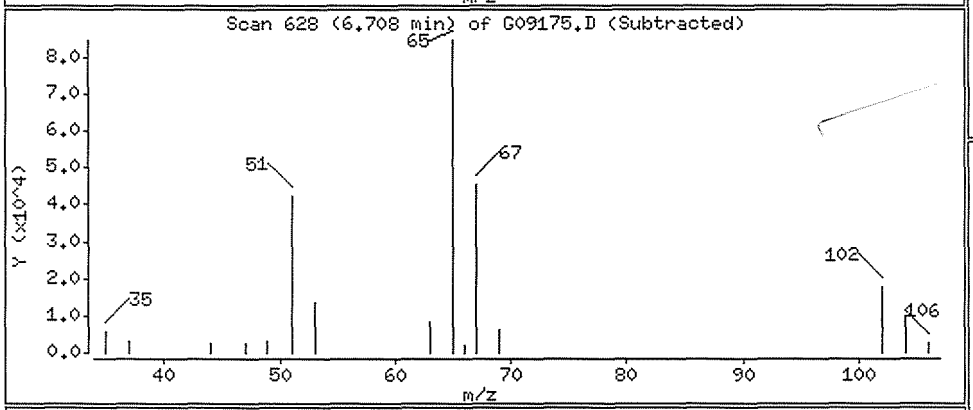
Column phase: J&W DB-624

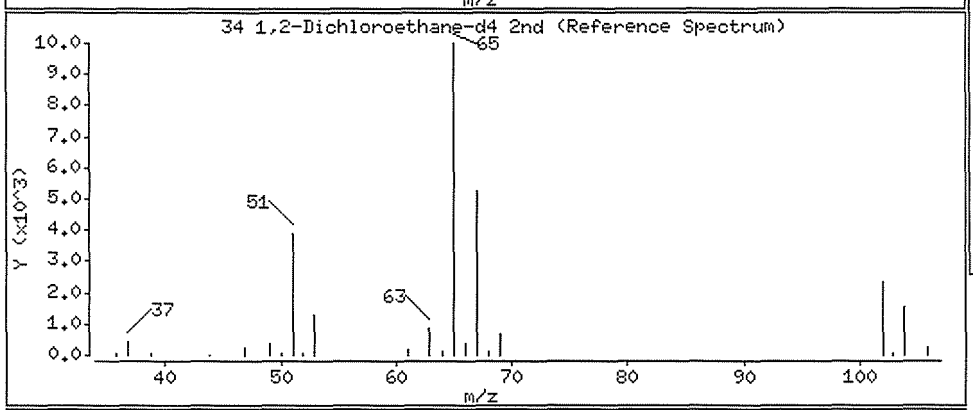
Column diameter: 0.53

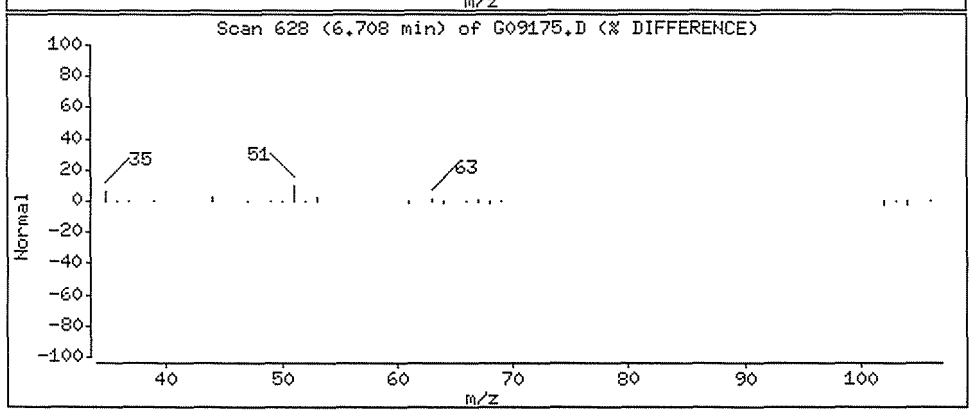
34 1,2-Dichloroethane-d4 2nd

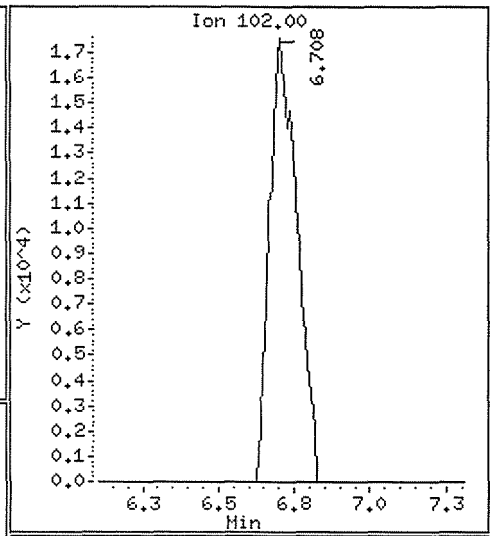
Concentration: 59.90 ug/Kg

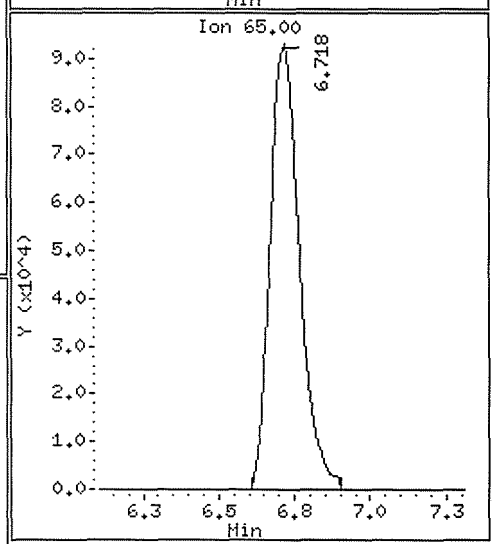


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09175.D

Date : 22-OCT-2000 04:30

Client ID: G09175

Instrument: mg.i

Sample Info: DLW63101,,2,,0,1,0,8260BGS.M,G09175

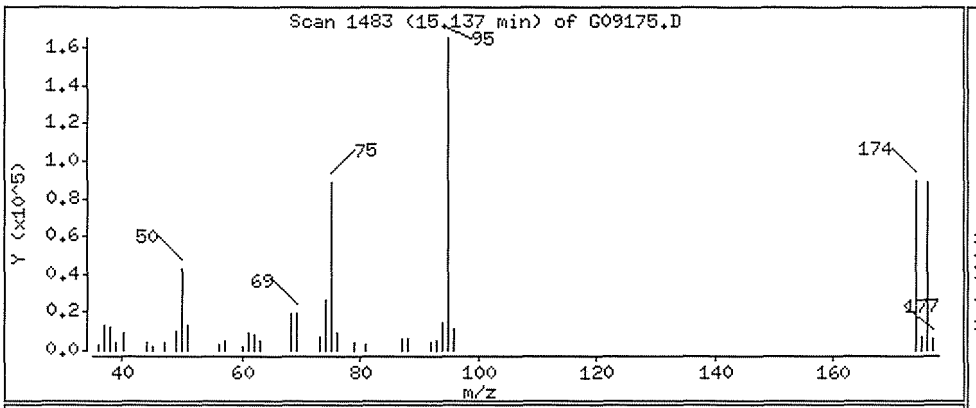
Operator: AD

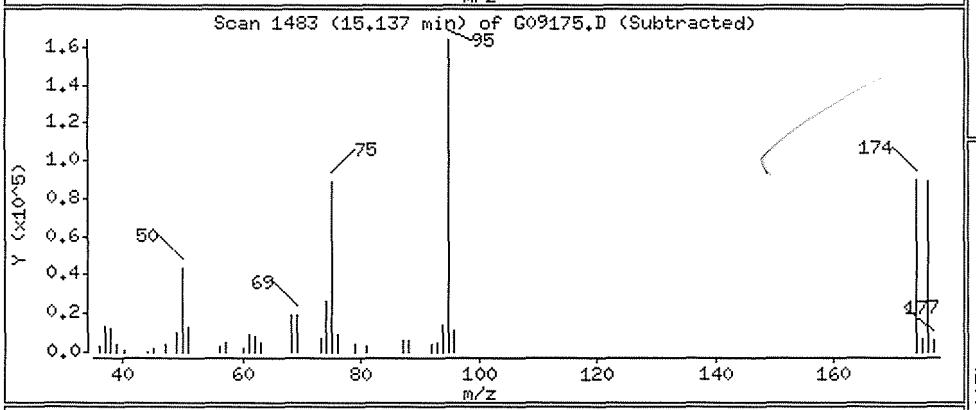
Column phase: J&W DB-624

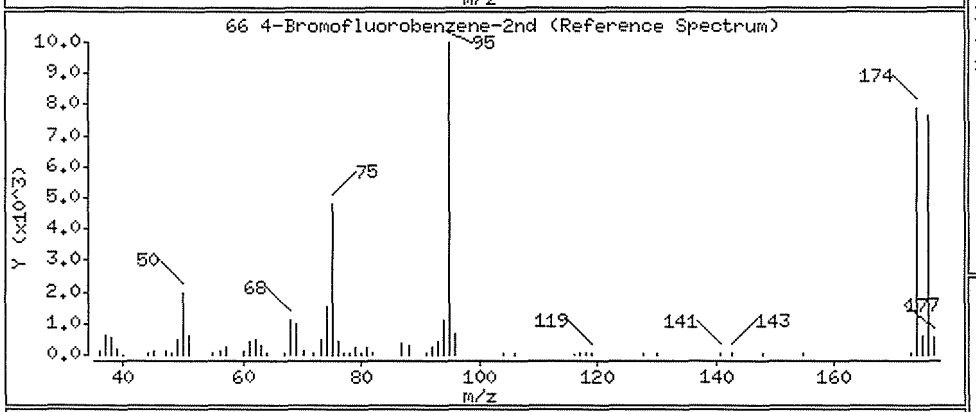
Column diameter: 0.53

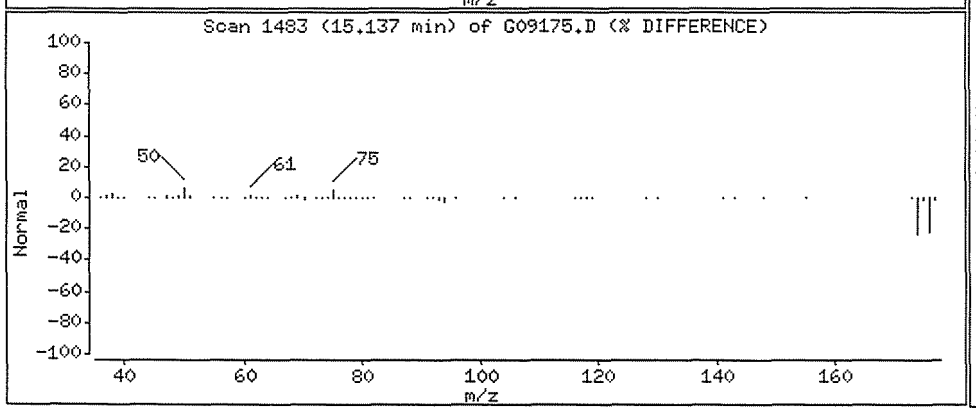
66 4-Bromofluorobenzene-2nd

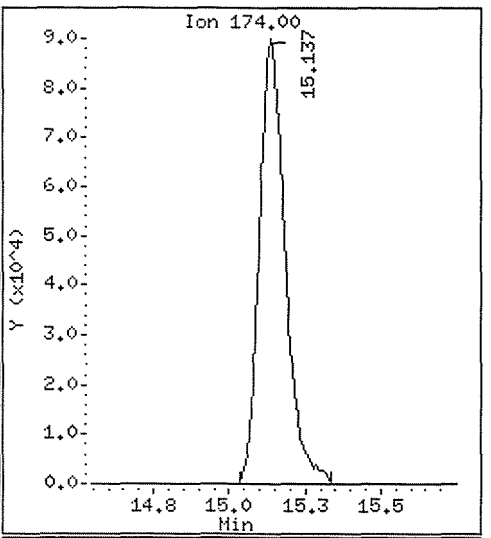
Concentration: 49.82 ug/Kg

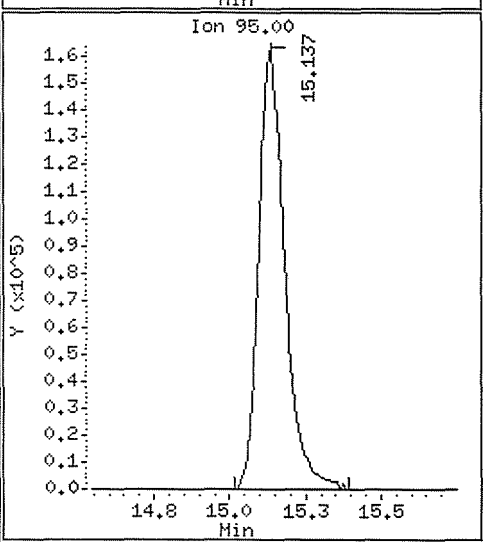


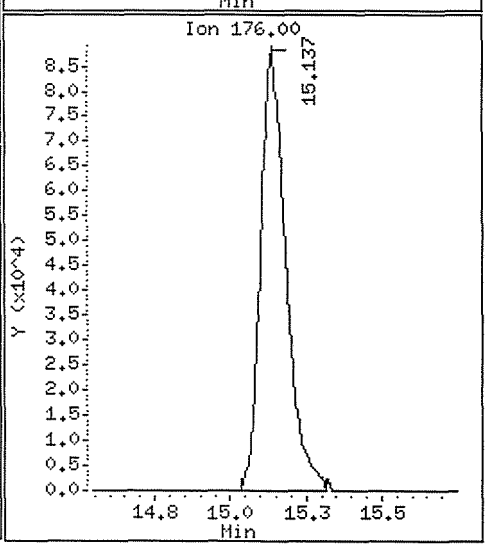



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09176.D
Lab Smp Id: DLW65101 Client Smp ID: G09176
Inj Date : 22-OCT-2000 05:05
Operator : AD Inst ID: mg.i
Smp Info : DLW65101,,2,,0,1,0,8260BGS.M,G09176
Misc Info : 272-11,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.030 | 3.040 | (0.416) | 21523 | 8.59115 | 8.59 | |
| $ 29 Dibromofluoromethane | 111 | 6.185 | 6.176 | (0.850) | 786277 | 52.7158 | 52.72 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.717 | 6.718 | (0.923) | 631509 | 53.3714 | 53.37 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.707 | 6.708 | (0.921) | 109344 | 58.6620 | 58.66 | |
| * 38 Fluorobenzene | 96 | 7.279 | 7.270 | (1.000) | 1295032 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.109 | 10.119 | (0.790) | 1260410 | 50.6579 | 50.66 | |
| * 56 Chlorobenzene-d5 | 117 | 12.800 | 12.821 | (1.000) | 1007796 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.127 | 15.148 | (0.867) | 1012318 | 51.2985 | 51.30 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.868) | 545731 | 48.6334 | 48.63 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.444 | 17.465 | (1.000) | 602348 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09176.D
Lab Smp Id: DLW65101 Client Smp ID: G09176
Inj Date : 22-OCT-2000 05:05
Operator : AD Inst ID: mg.i
Smp Info : DLW65101,,2,,0,1,0,8260BGS.M,G09176
Misc Info : 272-11,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.279 | 3249842 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.413 | 923933 | 14.2150471 | 14.22 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW65101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09176
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ alk | 1.413 | 14.22 | J |

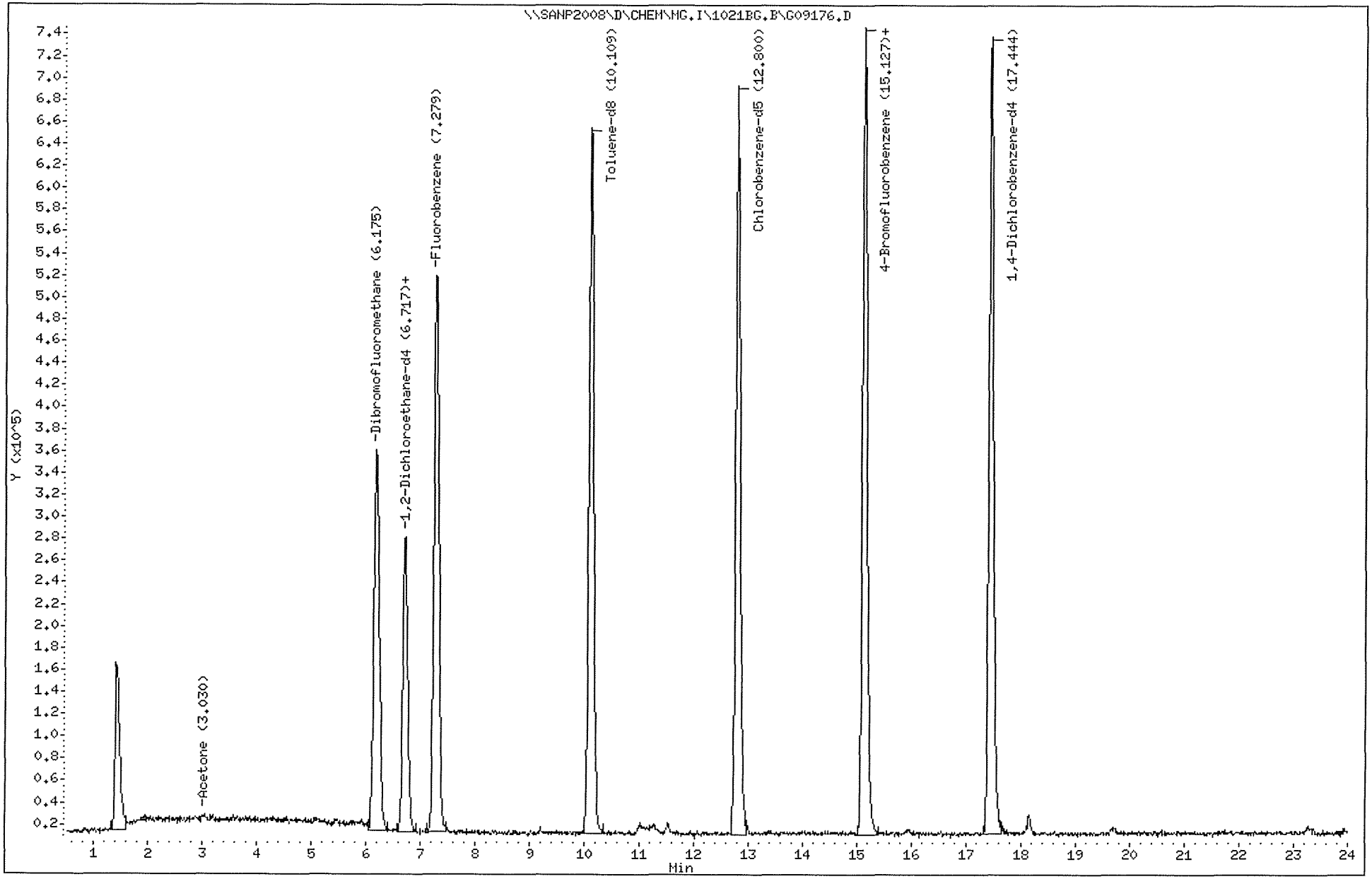
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09176.D
Date : 22-OCT-2000 05:05
Client ID: G09176
Sample Info: DLW65101,,2,,0,1,0,8260BGS.M,G09176

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53






000554

BOE-C6-0167675

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09176.D

Date : 22-OCT-2000 05:05

Client ID: G09176

Instrument: mg.i

Sample Info: DLW65101,,2,,0,1,0,8260BGS.M,G09176

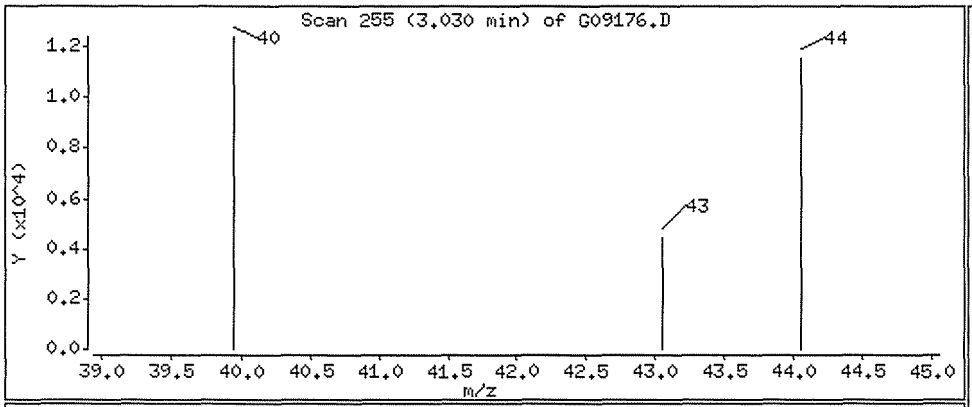
Operator: AD

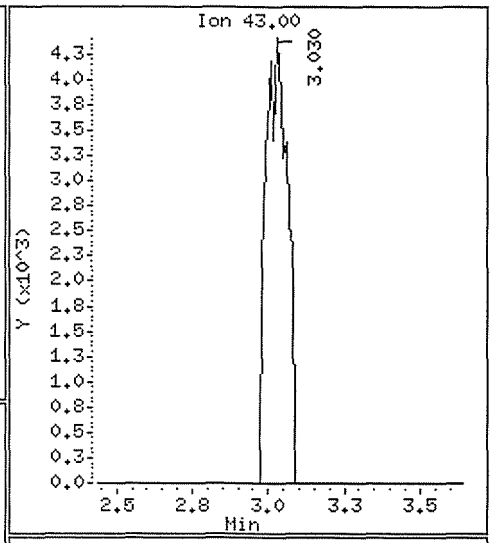
Column phase: J&W DB-624

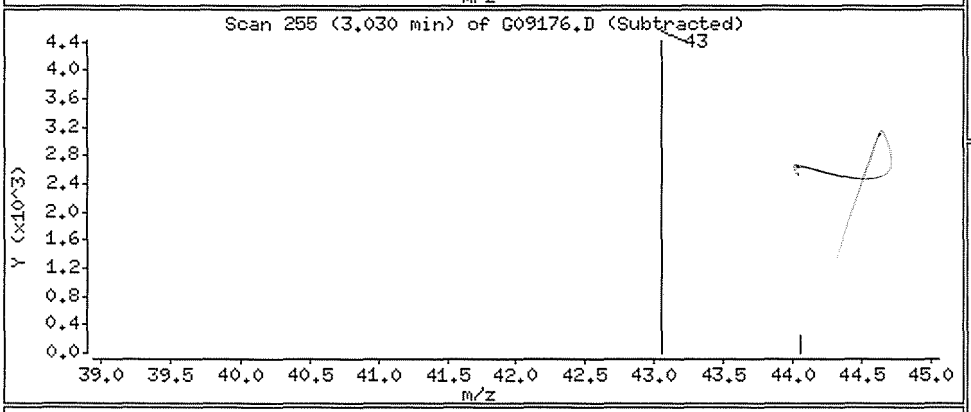
Column diameter: 0.53

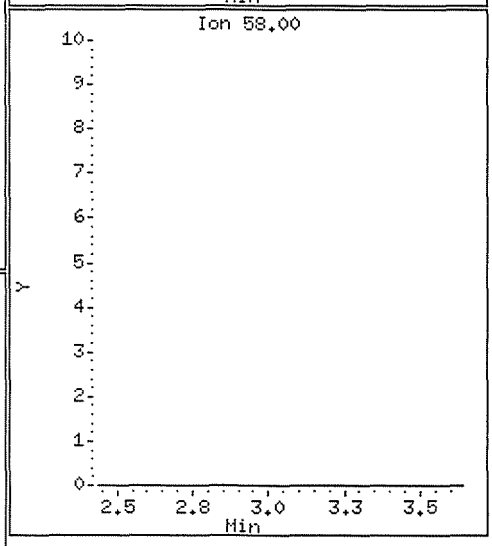
10 Acetone

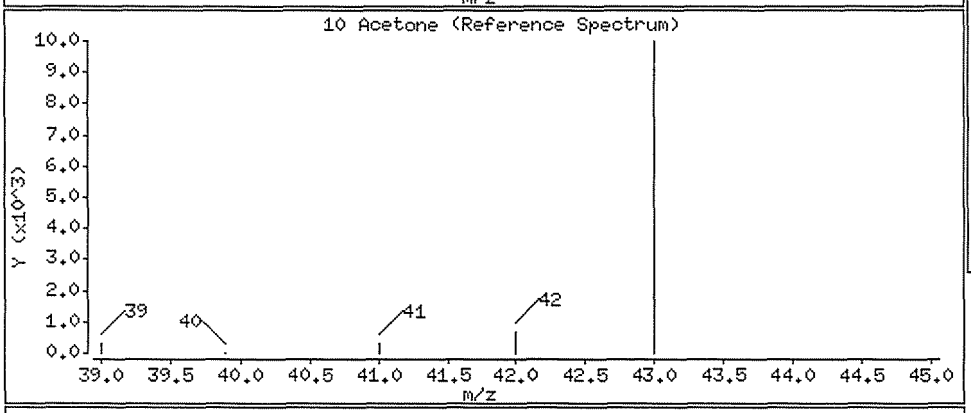
Concentration: 8.59 ug/Kg

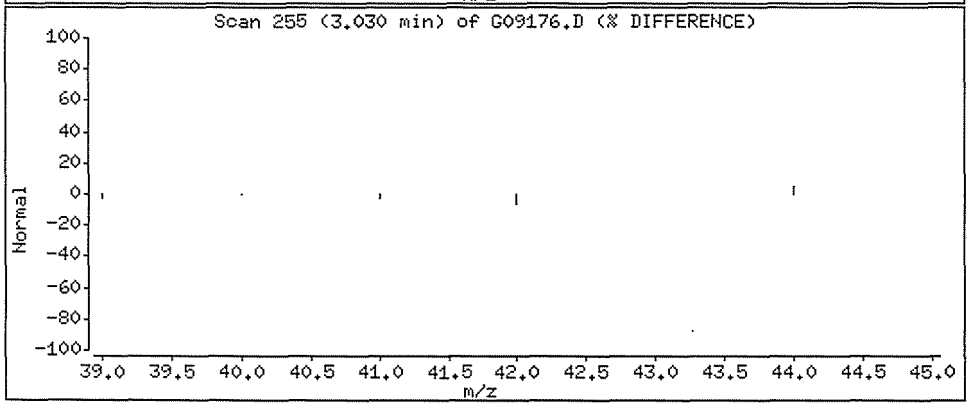


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09176.D

Date : 22-OCT-2000 05:05

Client ID: G09176

Instrument: mg.i

Sample Info: DLW65101,,2,,0,1,0,8260BGS.M,G09176

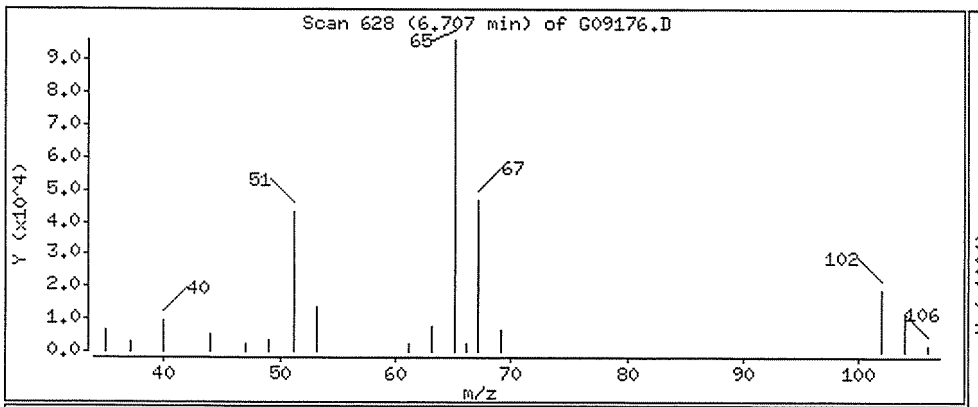
Operator: AD

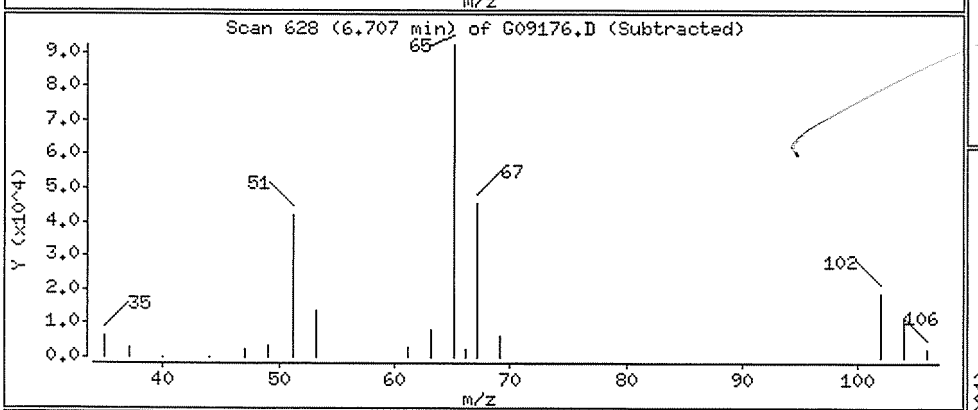
Column phase: J&W DB-624

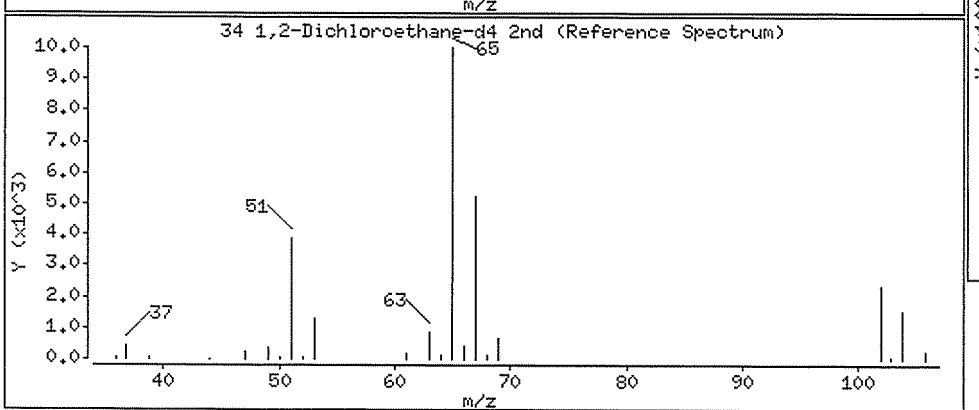
Column diameter: 0.53

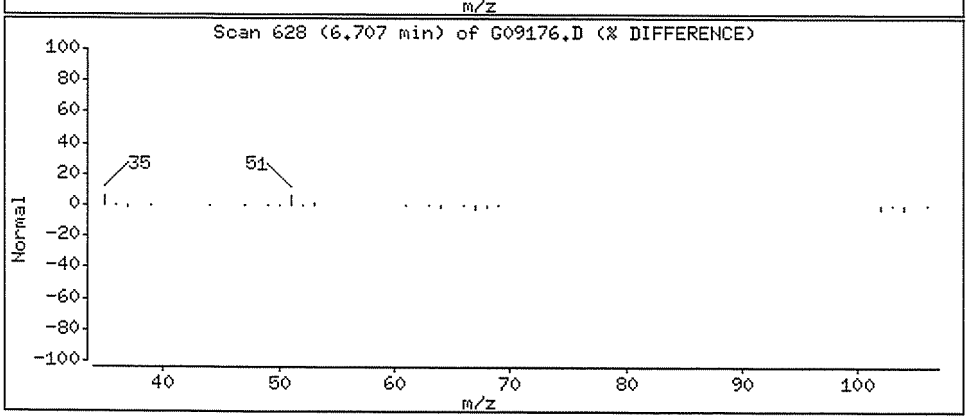
34 1,2-Dichloroethane-d4 2nd

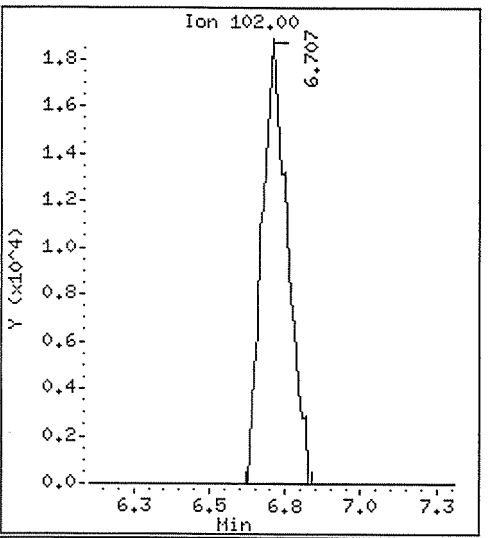
Concentration: 58.66 ug/Kg

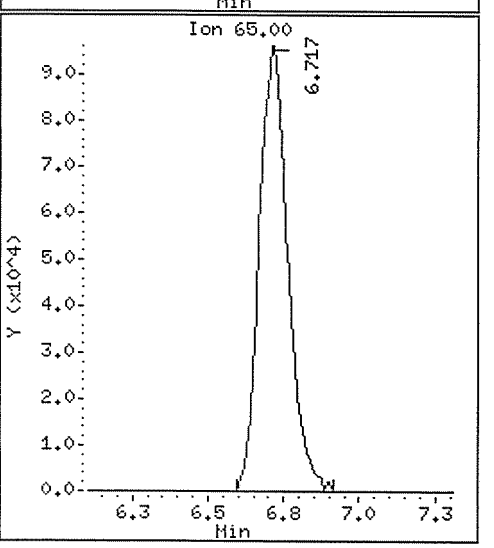


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09176.D

Date : 22-OCT-2000 05:05

Client ID: G09176

Instrument: mg.i

Sample Info: DLW65101,,2,,0,1,0,8260BGS.M,G09176

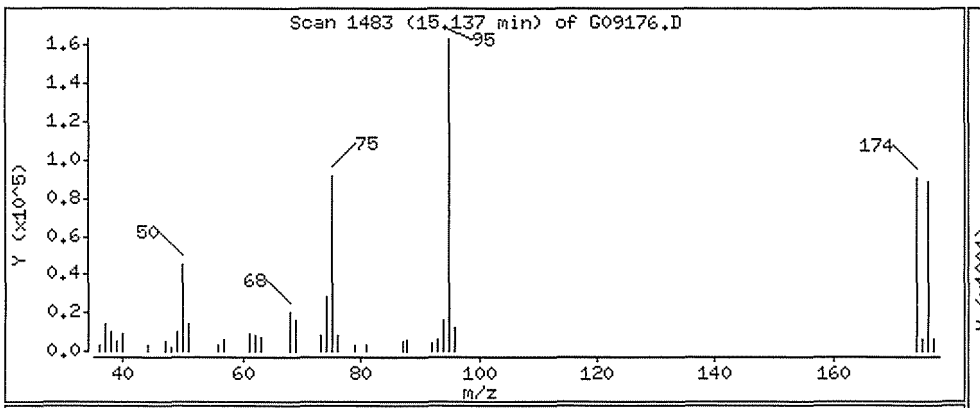
Operator: AD

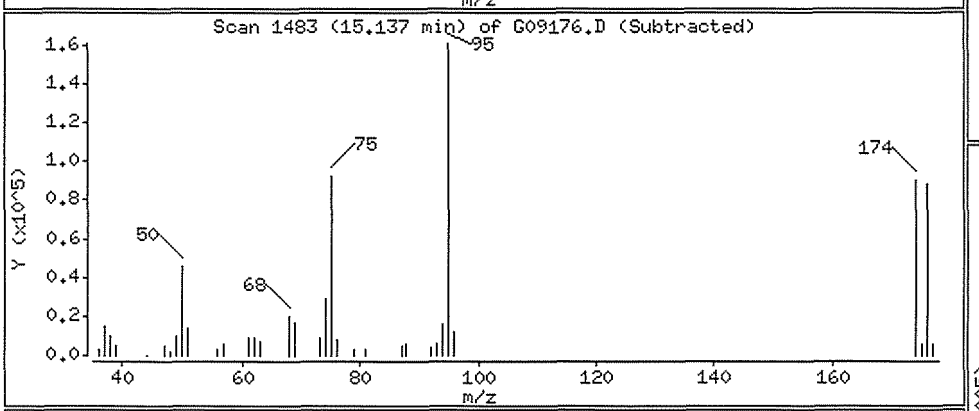
Column phase: J&W DB-624

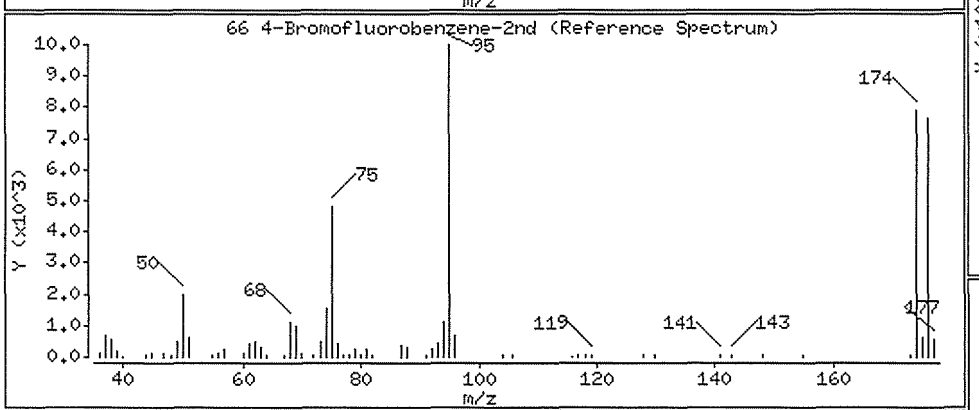
Column diameter: 0.53

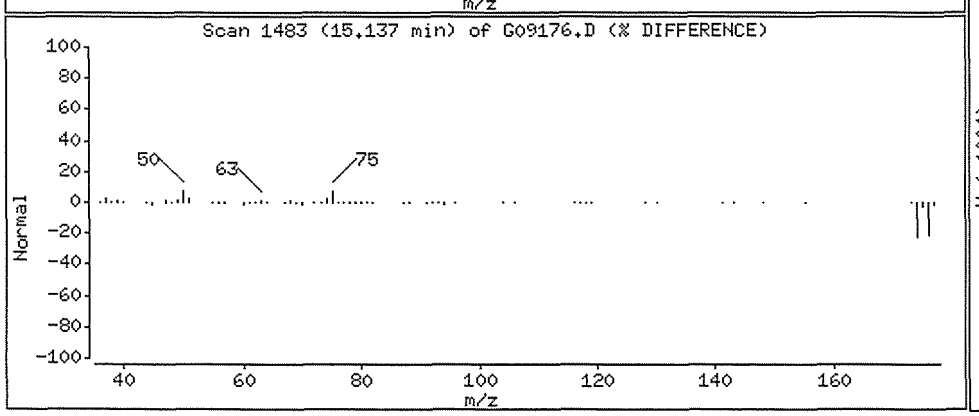
66 4-Bromofluorobenzene-2nd

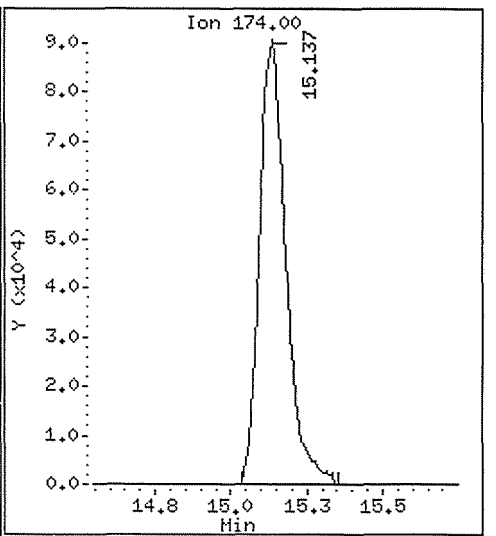
Concentration: 48.63 ug/Kg

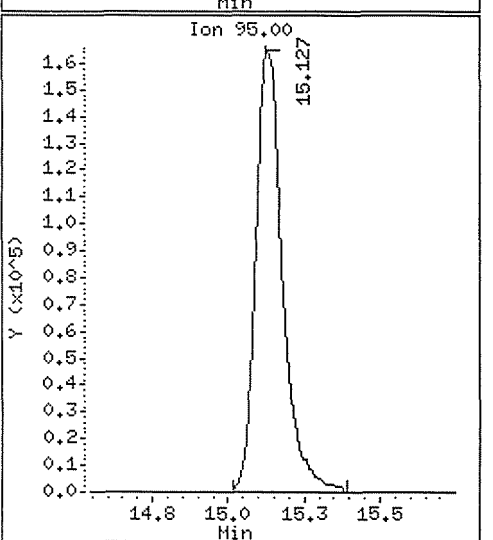


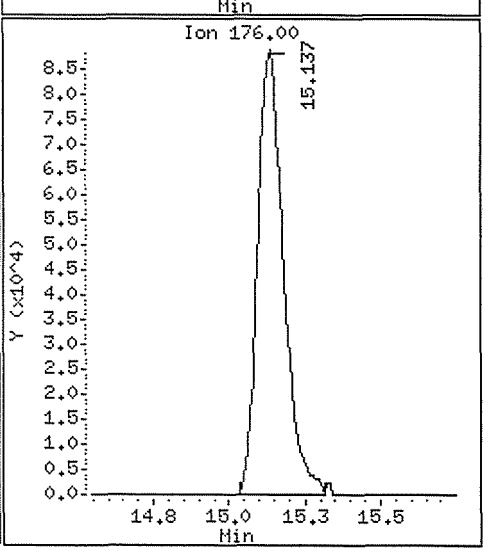



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D
Lab Smp Id: DLW69101 Client Smp ID: G09177
Inj Date : 22-OCT-2000 05:39
Operator : AD Inst ID: mg.i
Smp Info : DLW69101,,2,,0,1,0,8260BGS.M,G09177
Misc Info : 272-12,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.022 | 3.040 | (0.416) | 93538 | 36.8778 | 36.88(Q) |
| 24 2-Butanone | 43 | 5.457 | 5.476 | (0.751) | 47037 | 9.13582 | 9.14 |
| $ 29 Dibromofluoromethane | 111 | 6.177 | 6.176 | (0.849) | 811894 | 53.7656 | 53.76 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.710 | 6.718 | (0.923) | 652889 | 54.5014 | 54.50 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.710 | 6.708 | (0.923) | 112035 | 59.3683 | 59.37 |
| * 38 Fluorobenzene | 96 | 7.272 | 7.270 | (1.000) | 1311115 | 50.0000 | |
| $ 47 Toluene-d8 | 98 | 10.111 | 10.119 | (0.790) | 1269502 | 48.7582 | 48.76 |
| * 56 Chlorobenzene-d5 | 117 | 12.803 | 12.821 | (1.000) | 1054614 | 50.0000 | |
| $ 67 4-Bromofluorobenzene | 95 | 15.129 | 15.148 | (0.867) | 1011744 | 50.2245 | 50.22 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.139 | 15.148 | (0.868) | 540925 | 47.2226 | 47.22 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.446 | 17.465 | (1.000) | 614880 | 50.0000 | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D
Lab Smp Id: DLW69101 Client Smp ID: G09177
Inj Date : 22-OCT-2000 05:39
Operator : AD Inst ID: mg.i
Smp Info : DLW69101,,2,,0,1,0,8260BGS.M,G09177
Misc Info : 272-12,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.272 | 3343959 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.415 | 1137130 | 17.0027498 | 17.00 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW69101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09177
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ air | 1.415 | 17.00 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09177.D

Date : 22-OCT-2000 05:39

Client ID: G09177

Sample Info: DLW69101,,2,,0,1,0,8260BGS.M,G09177

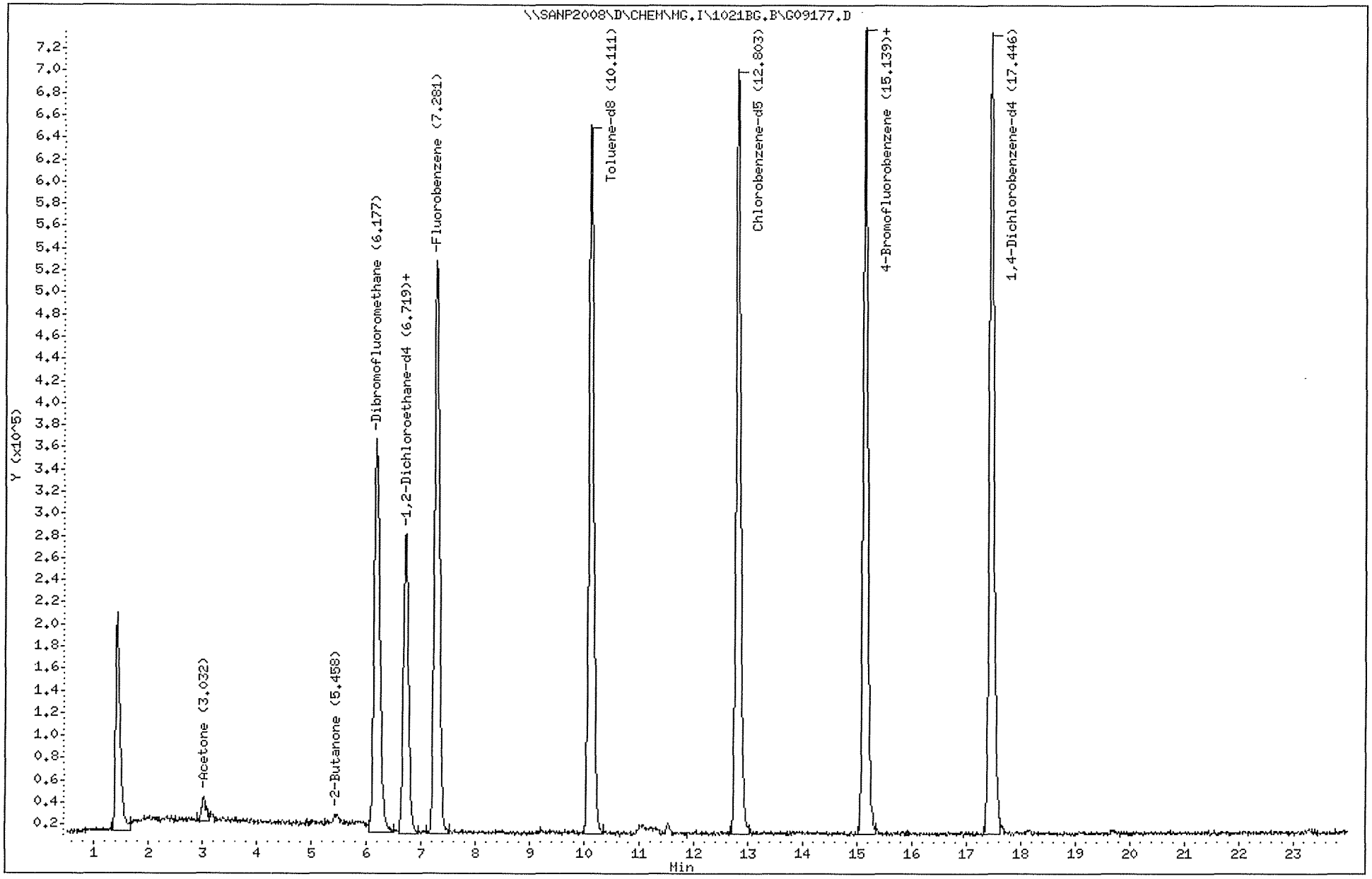
Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53






BOE-C6-0167683

000562

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6D101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09179
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | U~~nknown~~ JD | 1.424 | 12.43 | J |

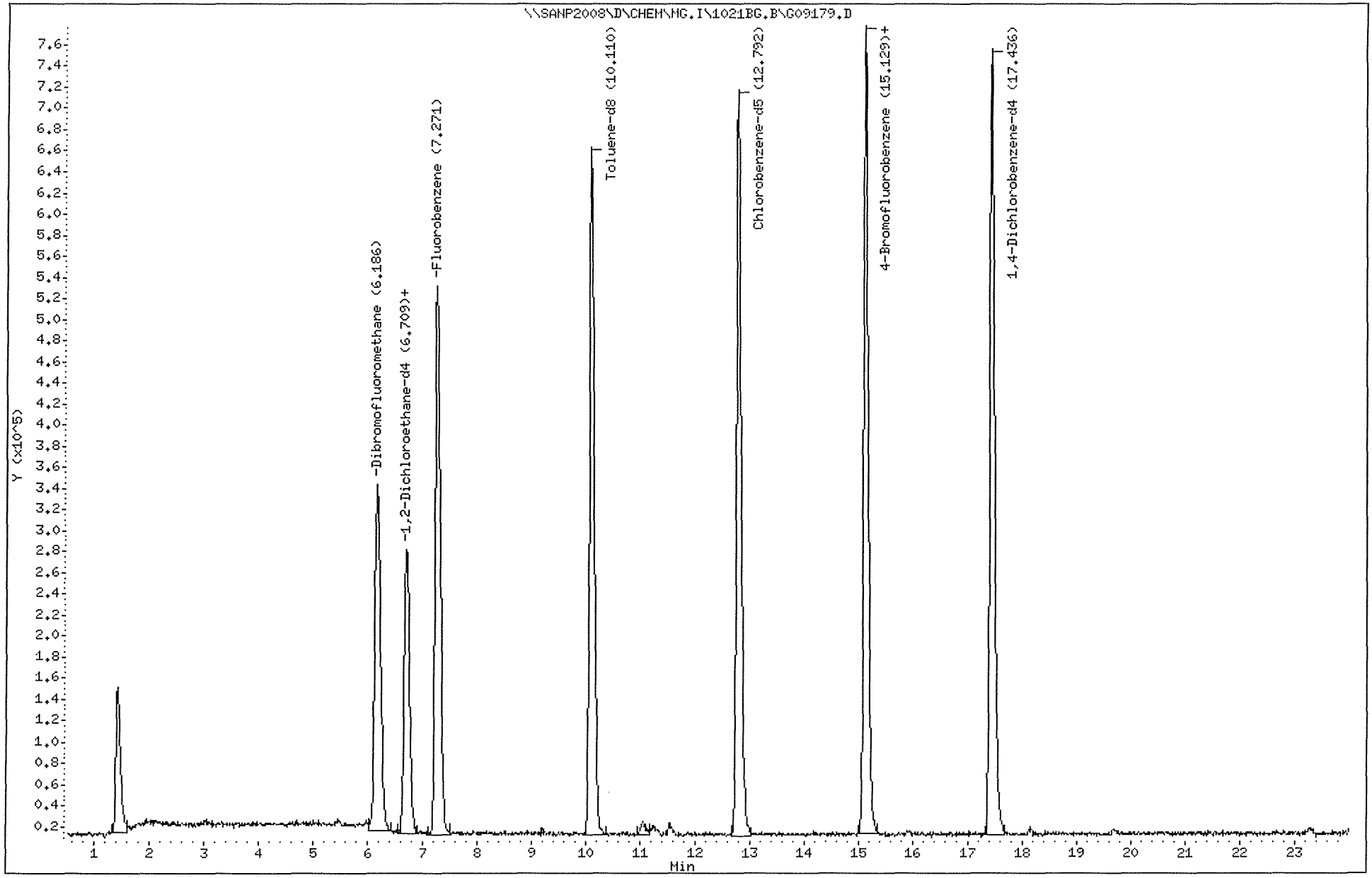
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09179.D
Date : 22-OCT-2000 06:48
Client ID: G09179
Sample Info: DLW6D101,,2,,0,1,0,8260BGS.M,G09179

Instrument: mg.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53




BOE-C6-0167685

000578

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09179.D

Date : 22-OCT-2000 06:48

Client ID: G09179

Instrument: mg.i

Sample Info: DLW6D101,,2,,0,1,0,8260BGS.M,G09179

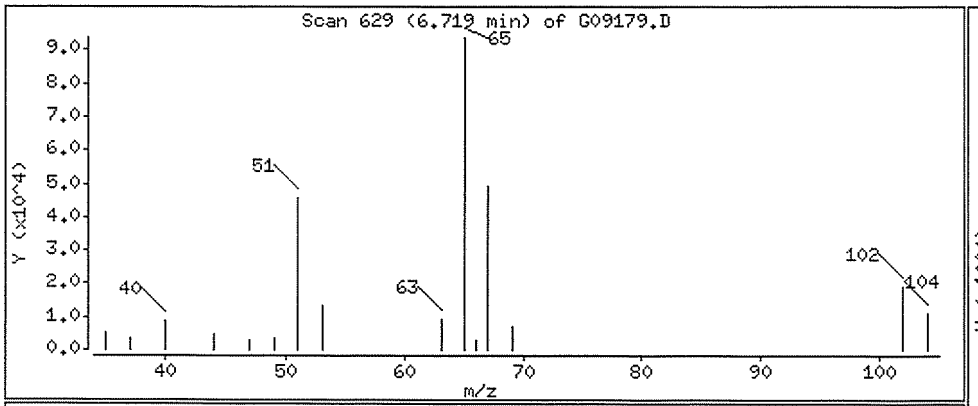
Operator: AD

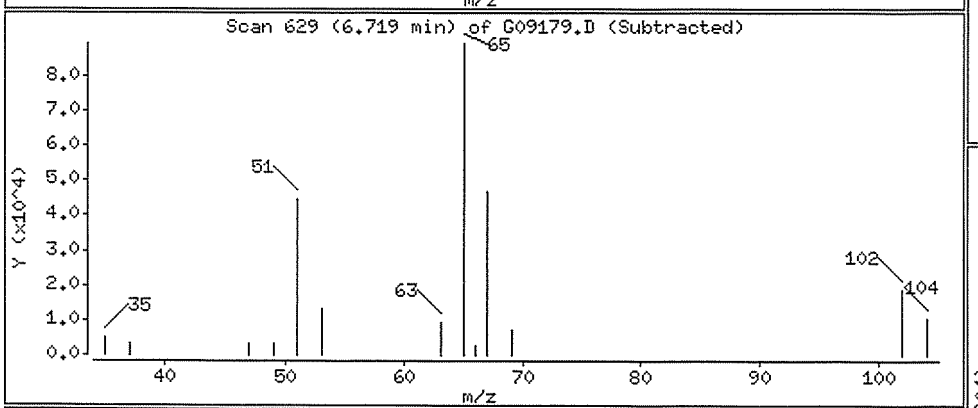
Column phase: J&W DB-624

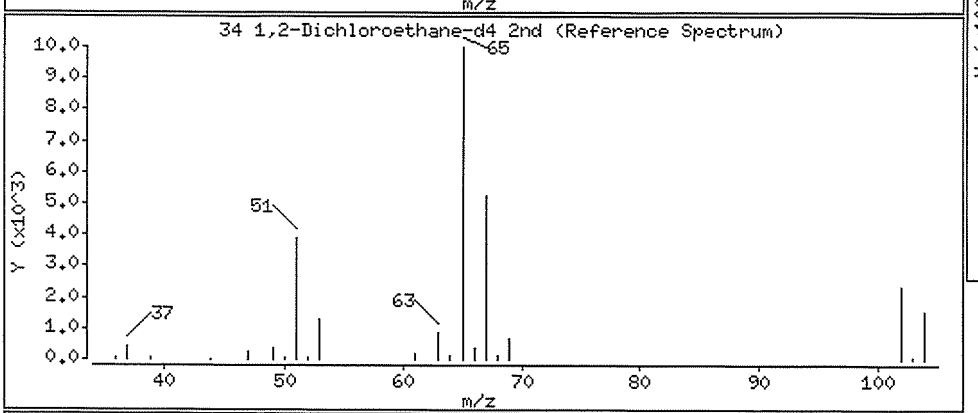
Column diameter: 0.53

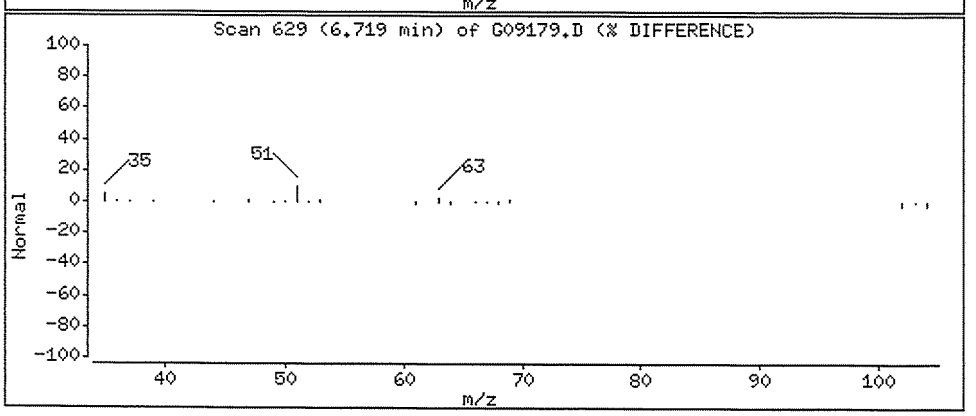
34 1,2-Dichloroethane-d4 2nd

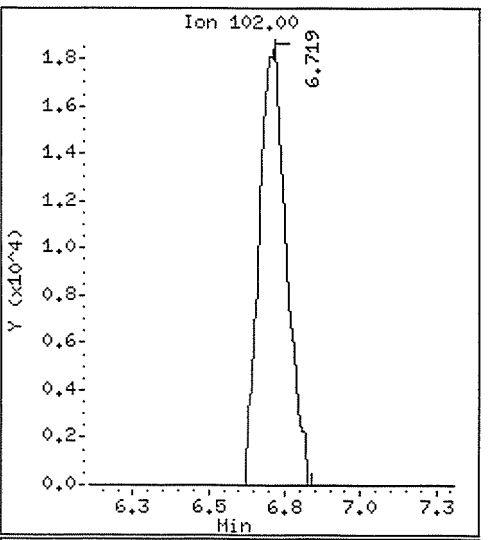
Concentration: 61.00 ug/Kg

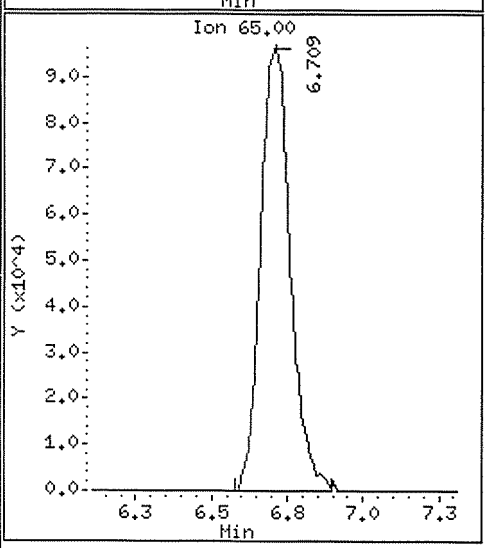


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09179.D



Date : 22-OCT-2000 06:48

Client ID: G09179

Instrument: mg.i

Sample Info: DLW6D101,,2,,0,1,0,8260BGS.M,G09179

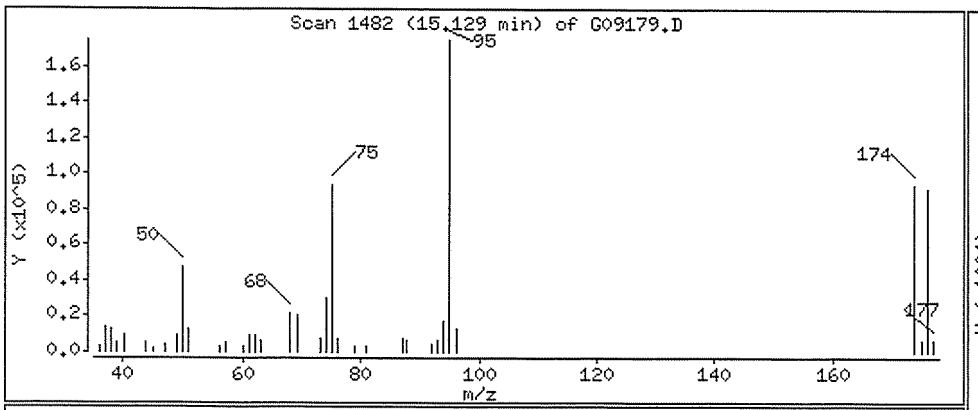
Operator: AD

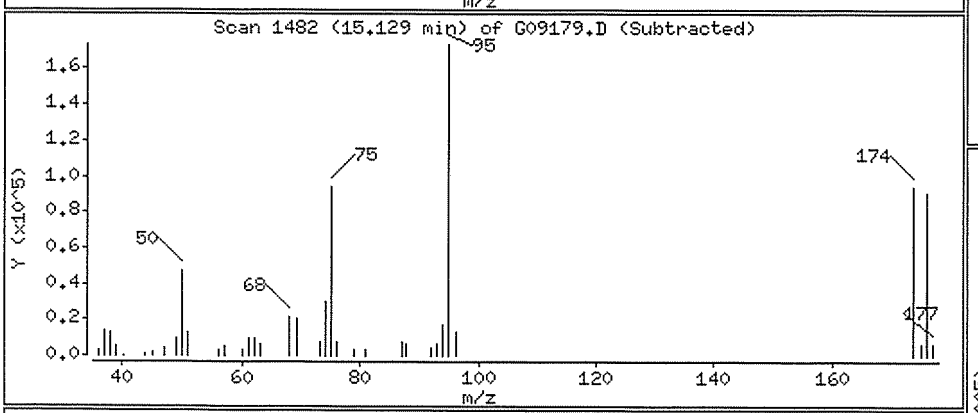
Column phase: J&W DB-624

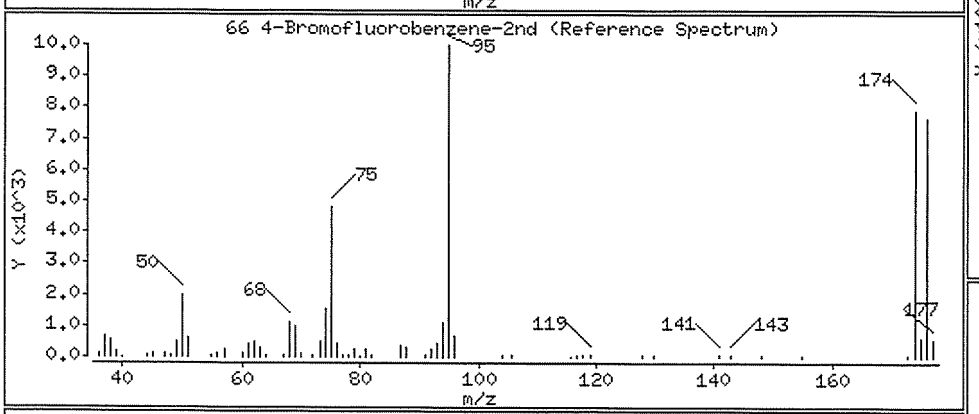
Column diameter: 0.53

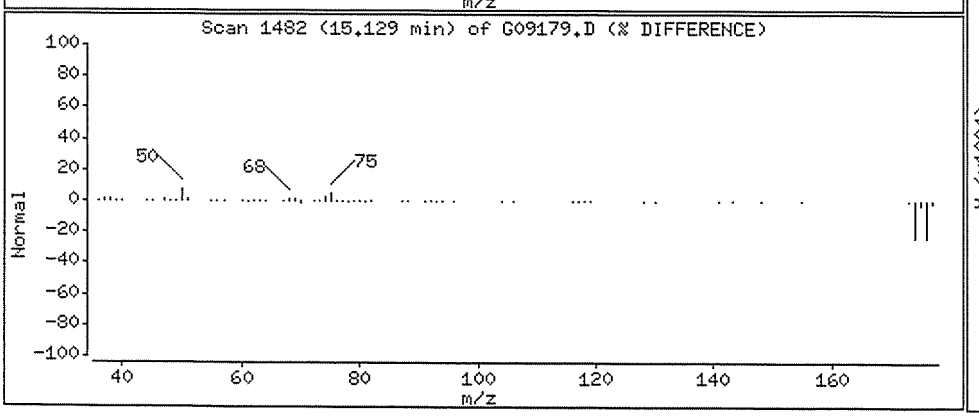
66 4-Bromofluorobenzene-2nd

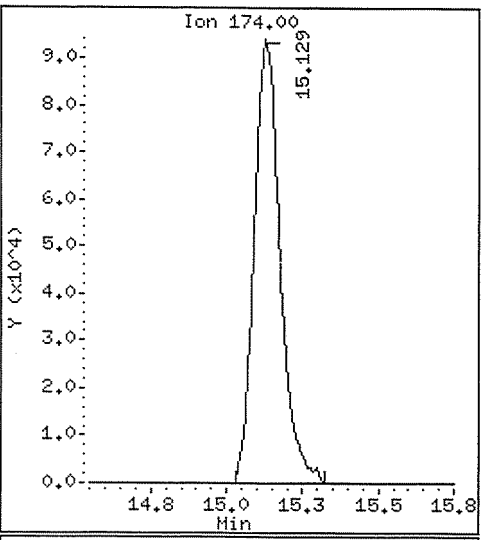
Concentration: 49.07 ug/Kg

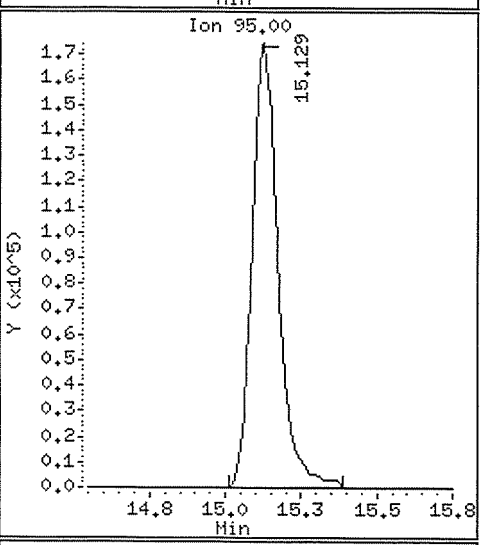


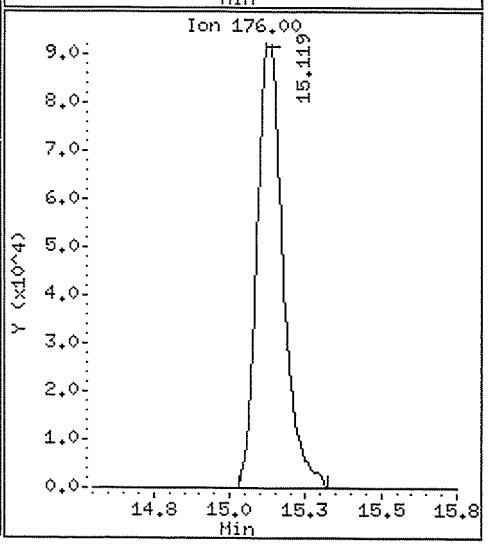



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09180.D
Lab Smp Id: DLW6E101 Client Smp ID: G09180
Inj Date : 22-OCT-2000 07:22
Operator : AD Inst ID: mg.i
Smp Info : DLW6E101,,2,,0,1,0,8260BGS.M,G09180
Misc Info : 272-15,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.175 | 6.176 | (0.848) | 789536 | 51.4898 | 51.49 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.698 | 6.718 | (0.920) | 671762 | 55.2240 | 55.22 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.688 | 6.708 | (0.919) | 116097 | 60.5852 | 60.58 | |
| * 38 Fluorobenzene | 96 | 7.279 | 7.270 | (1.000) | 1331364 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.099 | 10.119 | (0.790) | 1284011 | 48.3750 | 48.37 | |
| * 56 Chlorobenzene-d5 | 117 | 12.791 | 12.821 | (1.000) | 1075117 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.117 | 15.148 | (0.867) | 1046278 | 50.7903 | 50.79 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.127 | 15.148 | (0.868) | 564025 | 48.1504 | 48.15 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.434 | 17.465 | (1.000) | 628785 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09180.D
Lab Smp Id: DLW6E101 Client Smp ID: G09180
Inj Date : 22-OCT-2000 07:22
Operator : AD Inst ID: mg.i
Smp Info : DLW6E101,,2,,0,1,0,8260BGS.M,G09180
Misc Info : 272-15,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.279 | 3369064 | 50.000 |

| | CONCENTRATIONS | | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.413 | 1195709 | 17.7454126 | 17.74 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6E101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09180
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ NV | 1.413 | 17.74 | J |

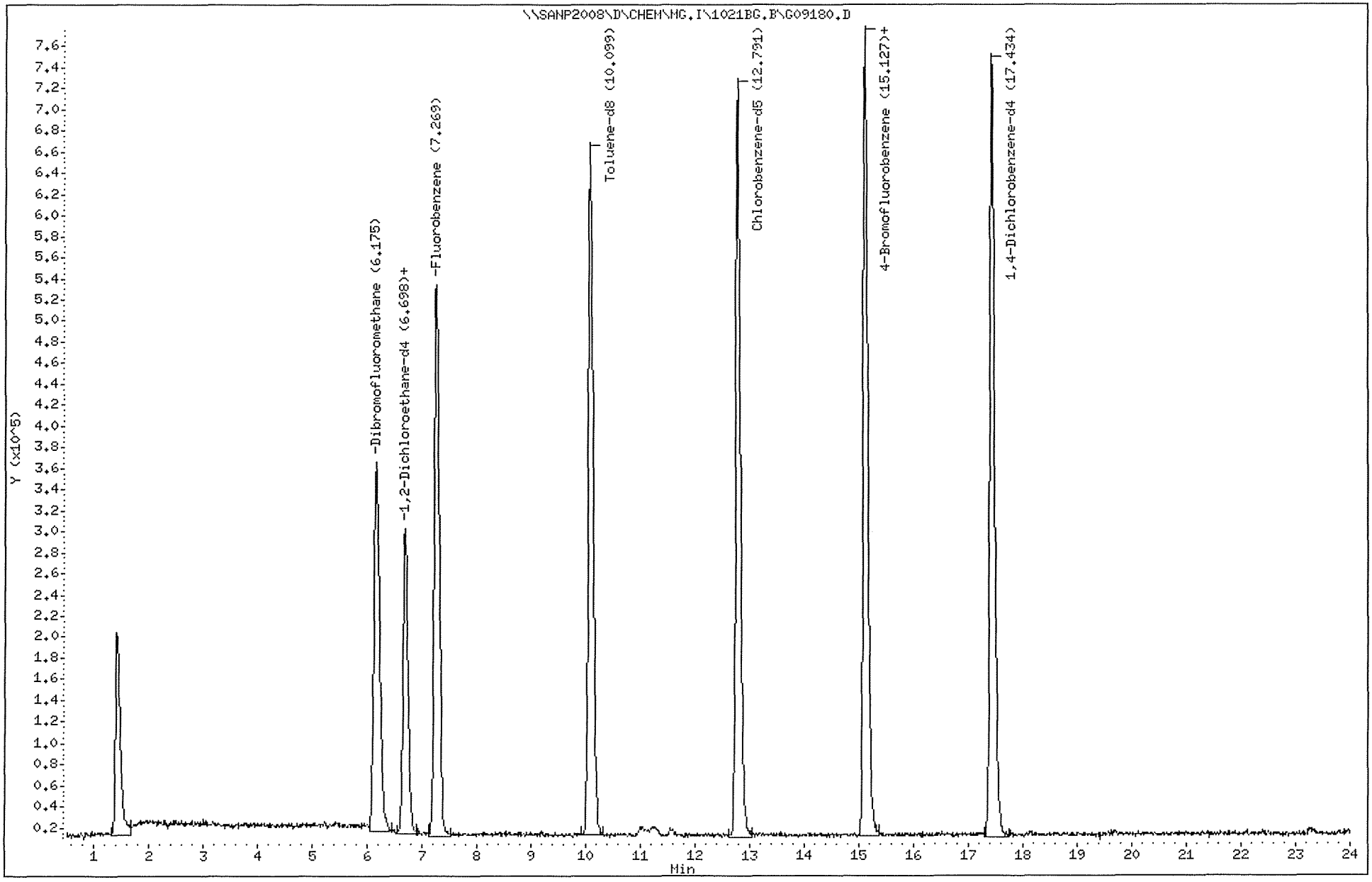
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09180.D
Date : 22-OCT-2000 07:22
Client ID: G09180
Sample Info: DLW6E101,,2,,0,1,0,8260BGS.M,G09180

Instrument: mg.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53




BOE-C6-0167691

000584

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09180.D

Date : 22-OCT-2000 07:22

Client ID: G09180

Instrument: mg.i

Sample Info: DLW6E101,,2,,0,1,0,8260BGS.M,G09180

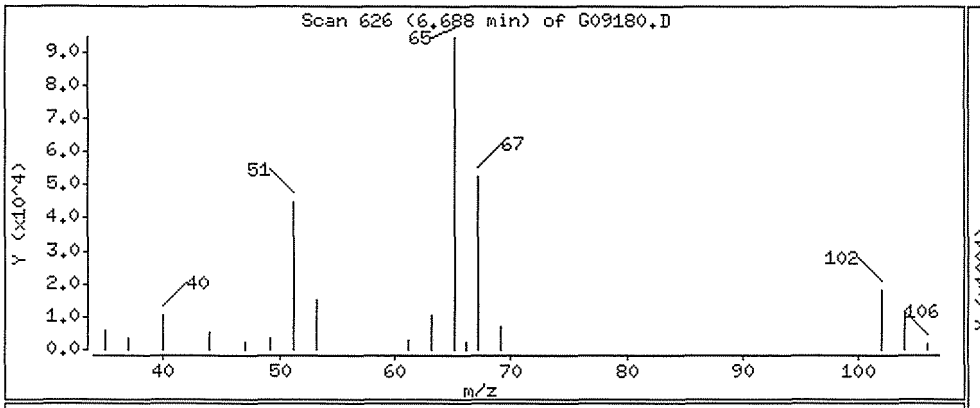
Operator: AD

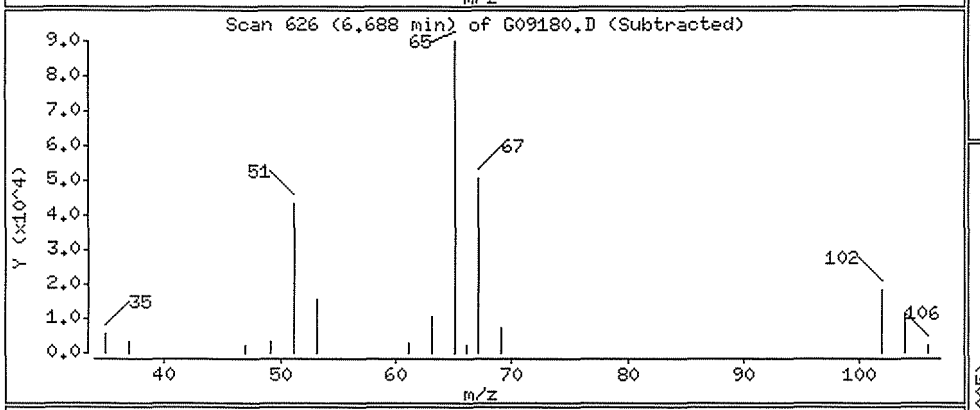
Column phase: J&W DB-624

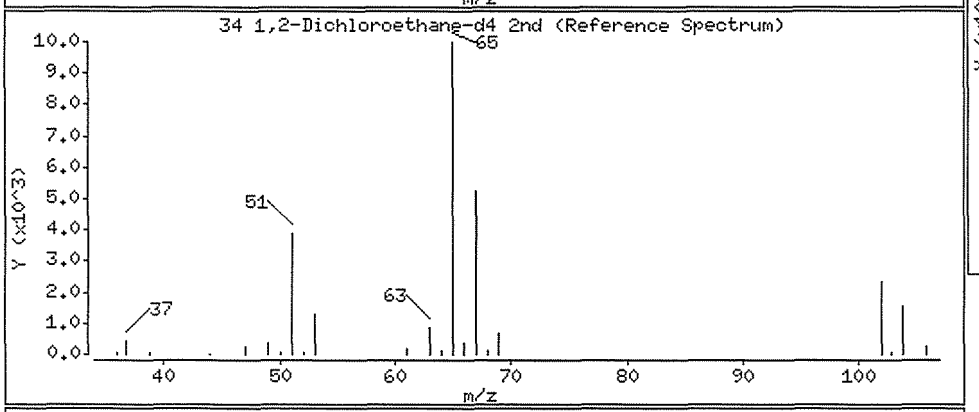
Column diameter: 0.53

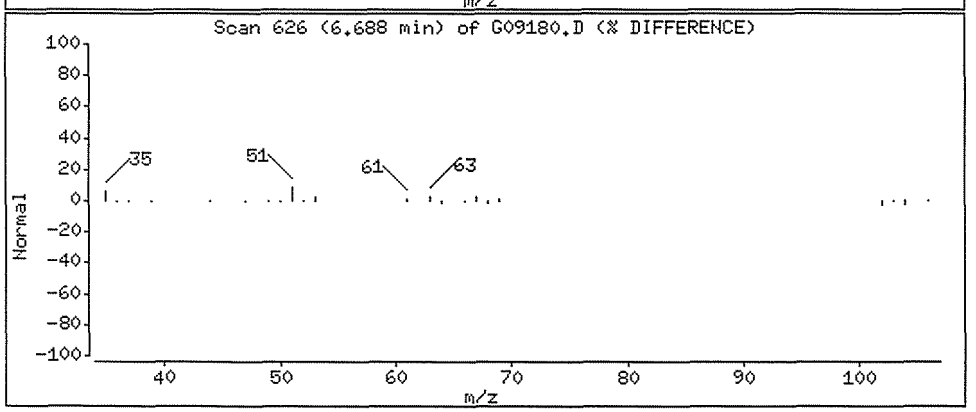
34 1,2-Dichloroethane-d4 2nd

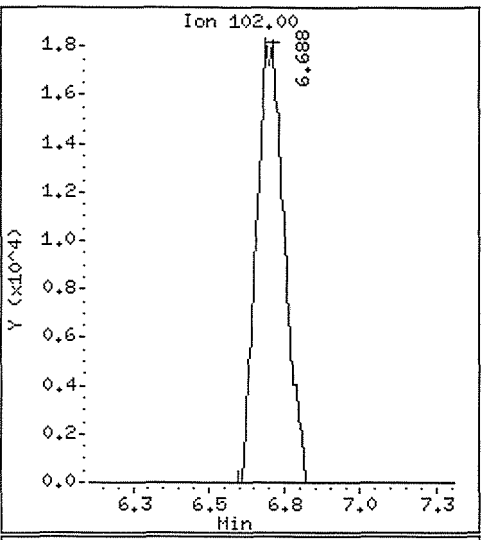
Concentration: 60.58 ug/Kg

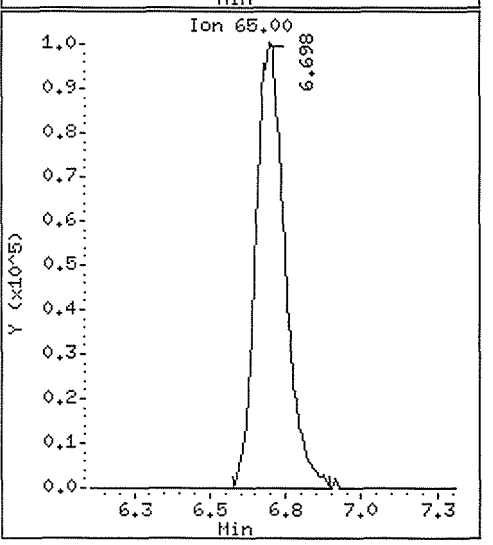


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09180.D

Date : 22-OCT-2000 07:22

Client ID: G09180

Instrument: mg.i

Sample Info: DLW6E101,,2,,0,1,0,8260BGS.M,G09180

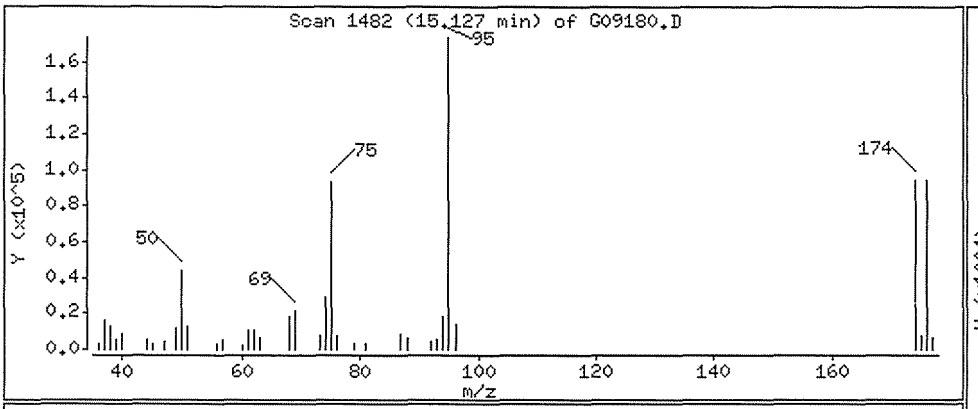
Operator: AD

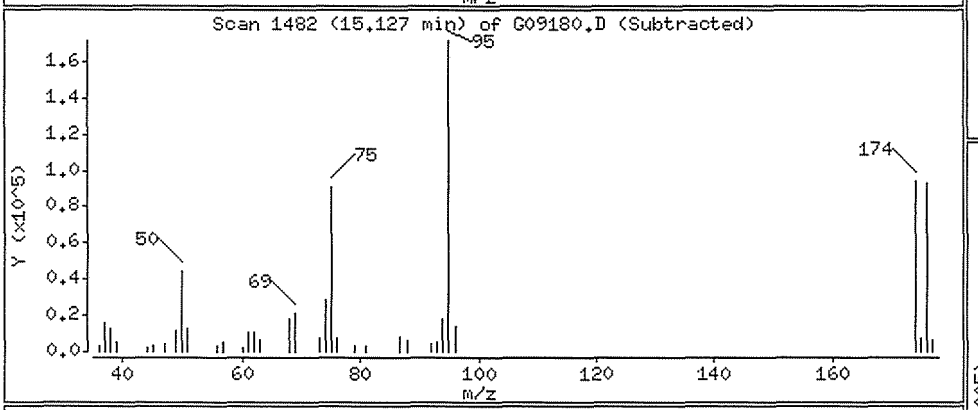
Column phase: J&W DB-624

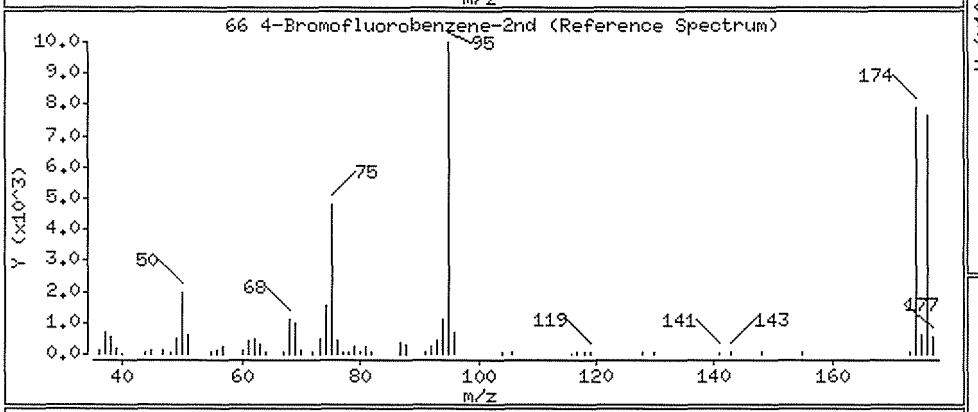
Column diameter: 0.53

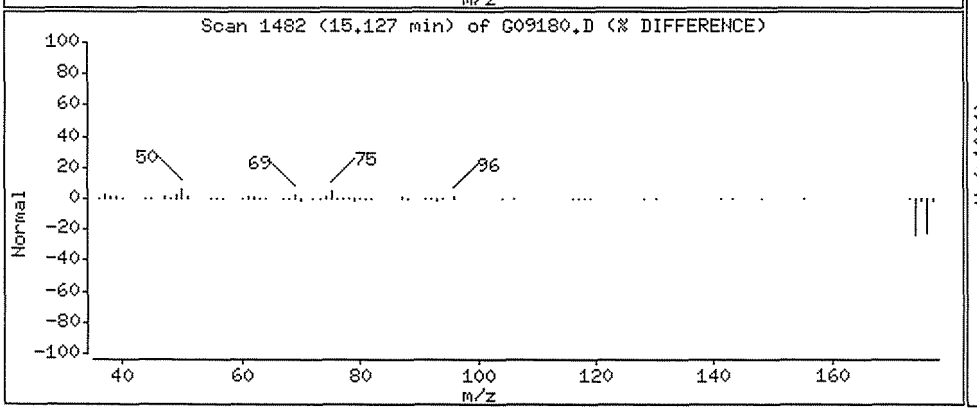
66 4-Bromofluorobenzene-2nd

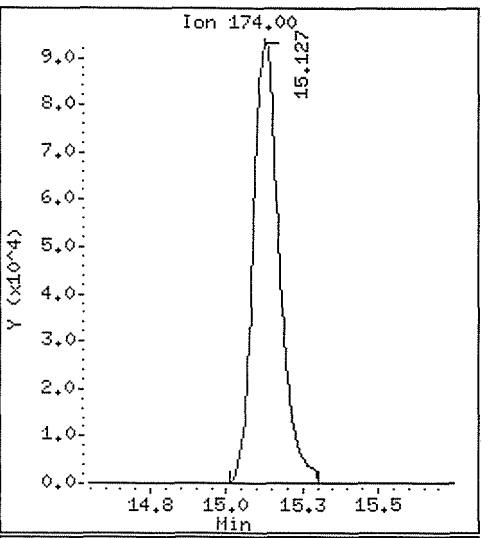
Concentration: 48.15 ug/Kg

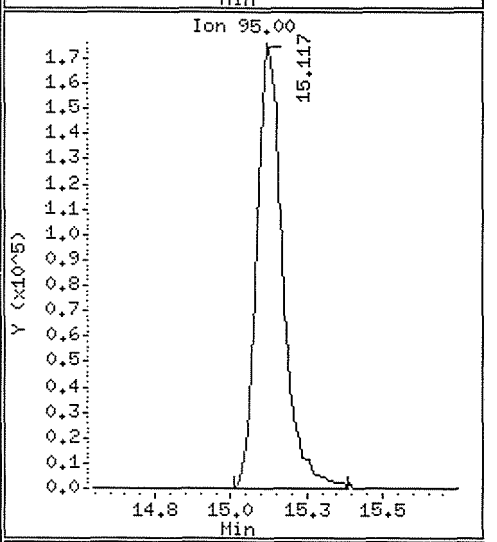


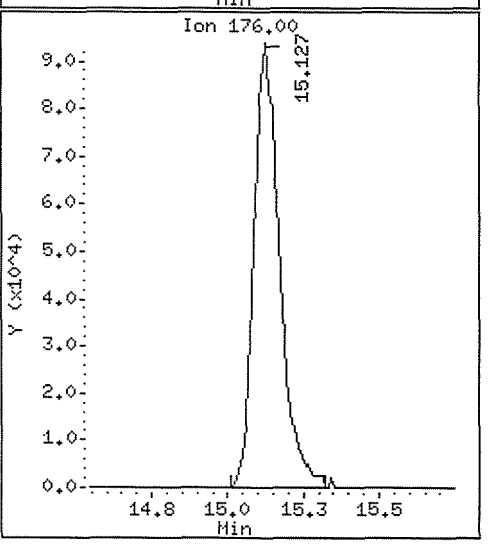



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09181.D
Lab Smp Id: DLW6F101 Client Smp ID: G09181
Inj Date : 22-OCT-2000 07:57
Operator : AD Inst ID: mg.i
Smp Info : DLW6F101,,2,,0,1,0,8260BGS.M,G09181
Misc Info : 272-16,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) |
|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.175 | 6.176 | (0.848) | 733160 | 50.4558 | 50.46 |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.707 | 6.718 | (0.921) | 611540 | 53.0519 | 53.05 |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.698 | 6.708 | (0.920) | 104081 | 57.3167 | 57.32 |
| * 38 Fluorobenzene | 96 | 7.279 | 7.270 | (1.000) | 1261635 | 50.0000 | |
| 39 Trichloroethene | 130 | 7.910 | 7.911 | (1.087) | 39358 | 4.16492 | 4.16(a) |
| $ 47 Toluene-d8 | 98 | 10.099 | 10.119 | (0.790) | 1231507 | 49.9928 | 49.99 |
| * 56 Chlorobenzene-d5 | 117 | 12.791 | 12.821 | (1.000) | 997785 | 50.0000 | |
| $ 67 4-Bromofluorobenzene | 95 | 15.137 | 15.148 | (0.868) | 964319 | 54.2410 | 54.24 |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.868) | 516103 | 51.0519 | 51.05 |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.434 | 17.465 | (1.000) | 542661 | 50.0000 | (Q) |

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09181.D
Lab Smp Id: DLW6F101 Client Smp ID: G09181
Inj Date : 22-OCT-2000 07:57
Operator : AD Inst ID: mg.i
Smp Info : DLW6F101,,2,,0,1,0,8260BGS.M,G09181
Misc Info : 272-16,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.279 | 3225304 | 50.000 |

| | CONCENTRATIONS | | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.413 | 968437 | 15.0131147 | 15.01 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6F101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09181
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ NO | 1.413 | 15.01 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09181.D

Date : 22-OCT-2000 07:57

Client ID: G09181

Sample Info: DLW6F101,,2,,0,1,0,8260BGS.M,G09181

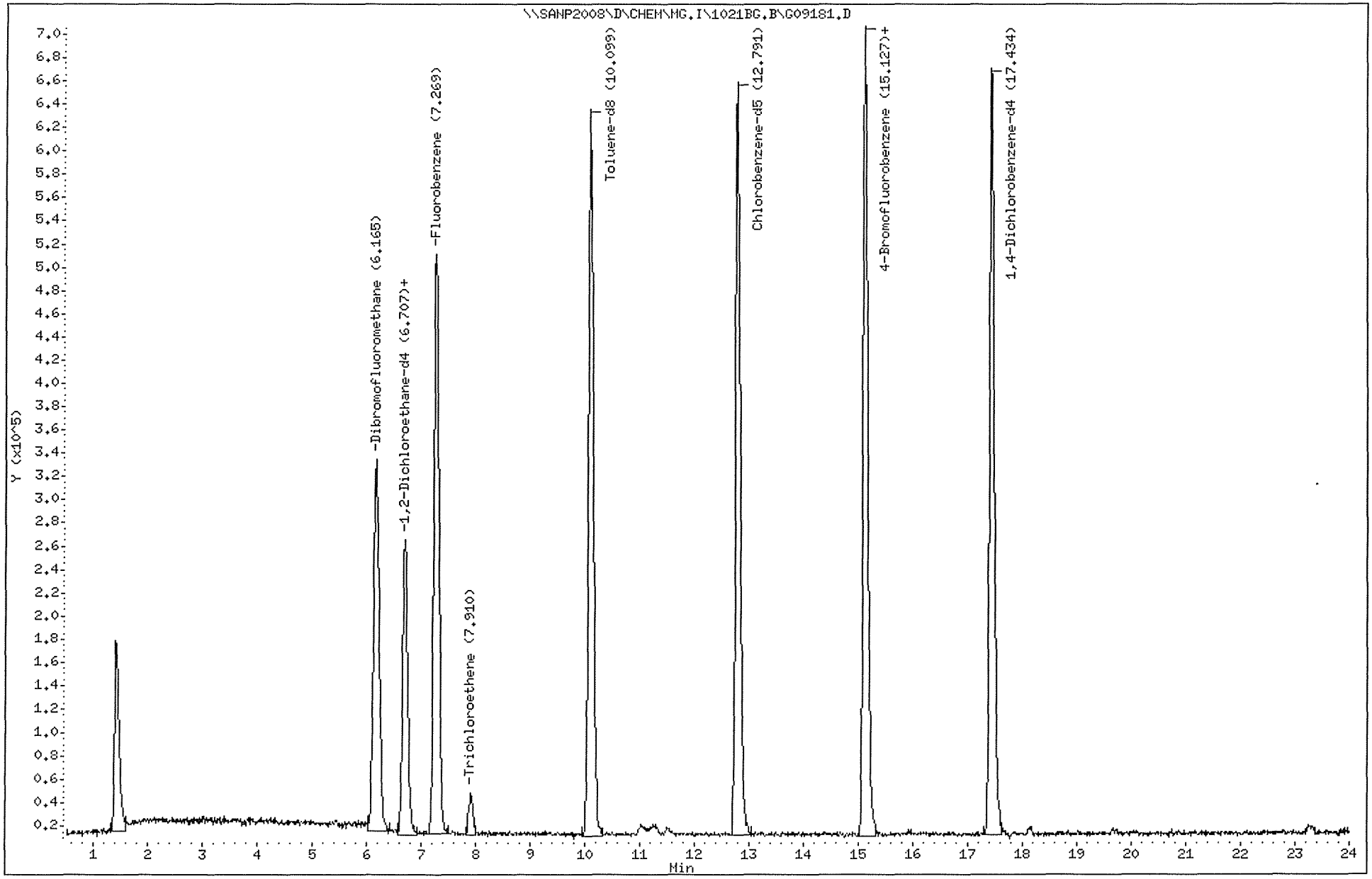
Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53






BOE-C6-0167698

000591

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09181.D

Date : 22-OCT-2000 07:57

Client ID: G09181

Instrument: mg.i

Sample Info: DLW6F101,,2,,0,1,0,8260BGS.M,G09181

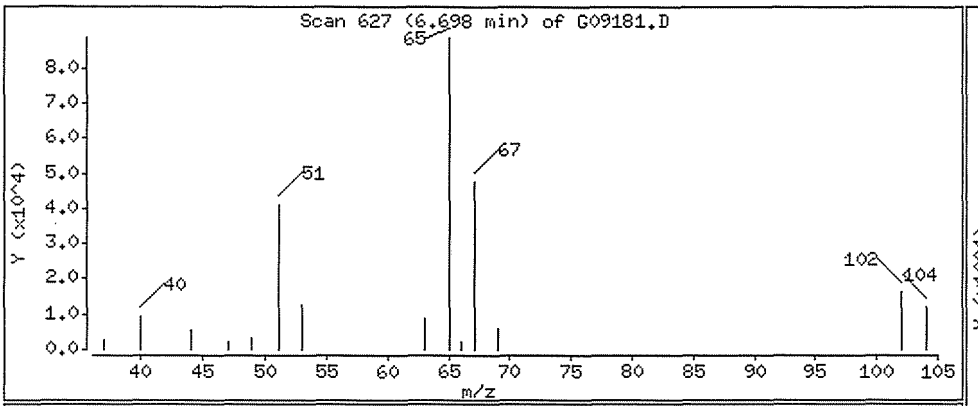
Operator: AD

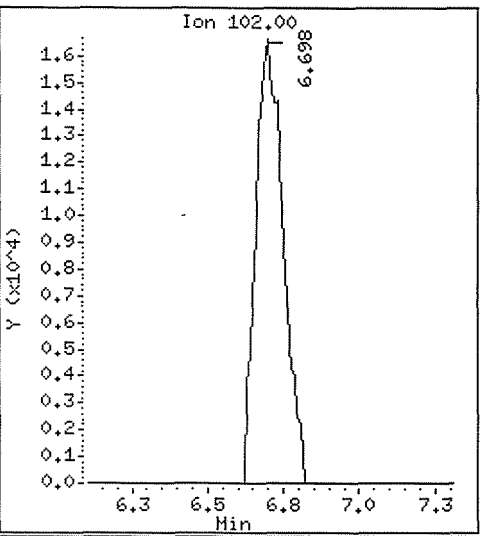
Column phase: J&W DB-624

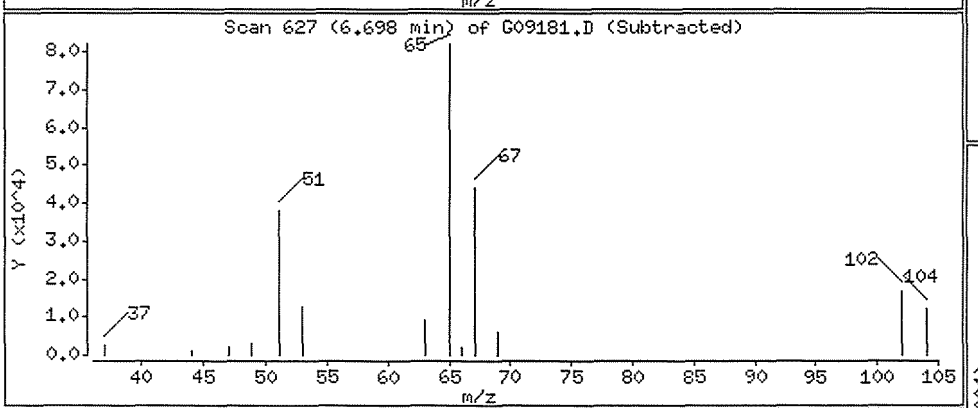
Column diameter: 0.53

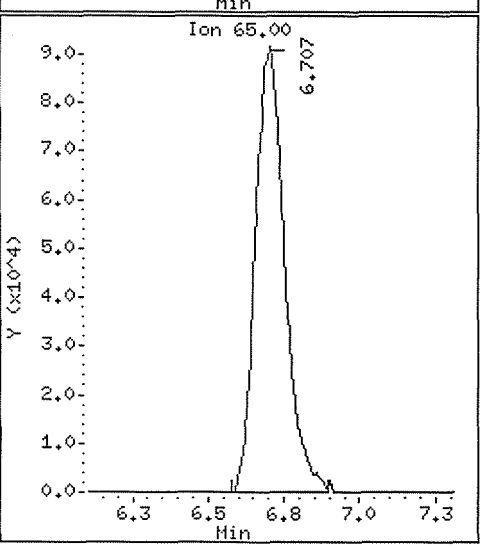
34 1,2-Dichloroethane-d4 2nd

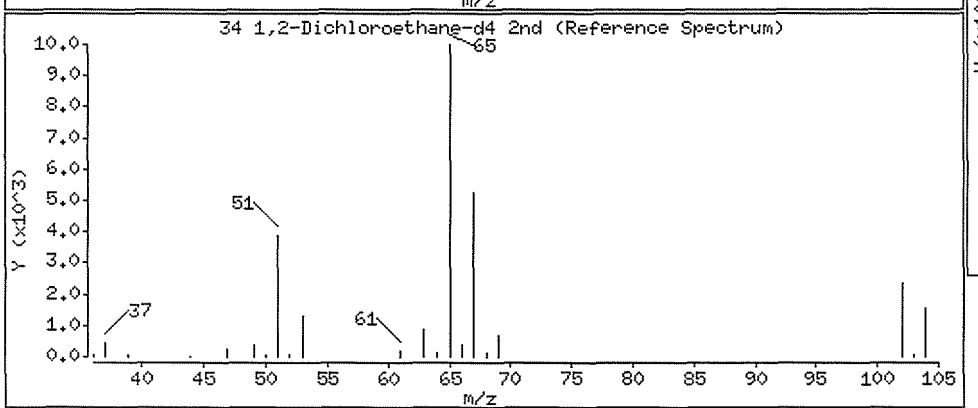
Concentration: 57.32 ug/Kg

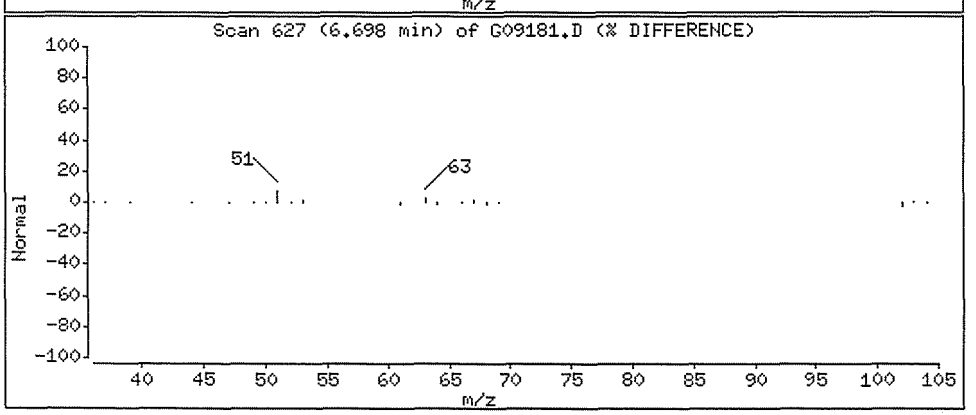


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09181.D

Date : 22-OCT-2000 07:57

Client ID: G09181

Instrument: mg.i

Sample Info: DLW6F101,,2,,0,1,0,8260BGS.M,G09181

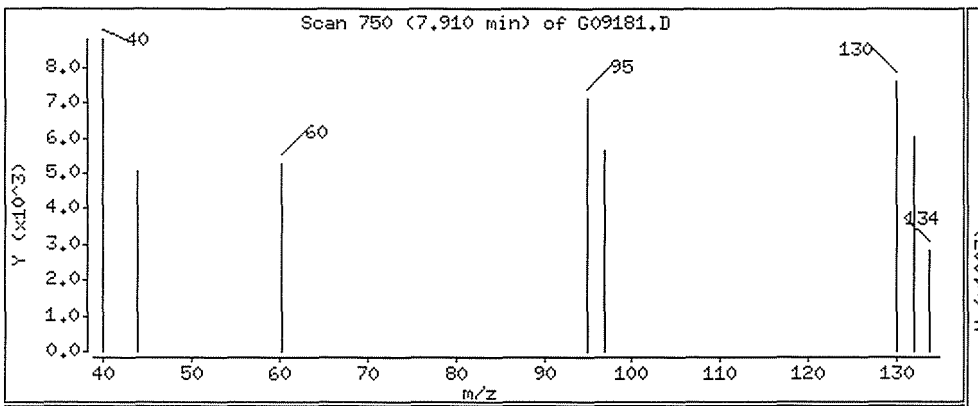
Operator: AD

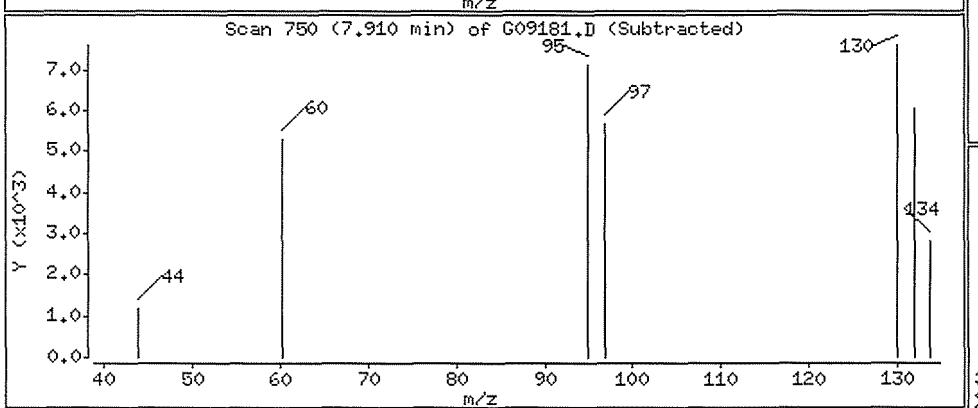
Column phase: J&W DB-624

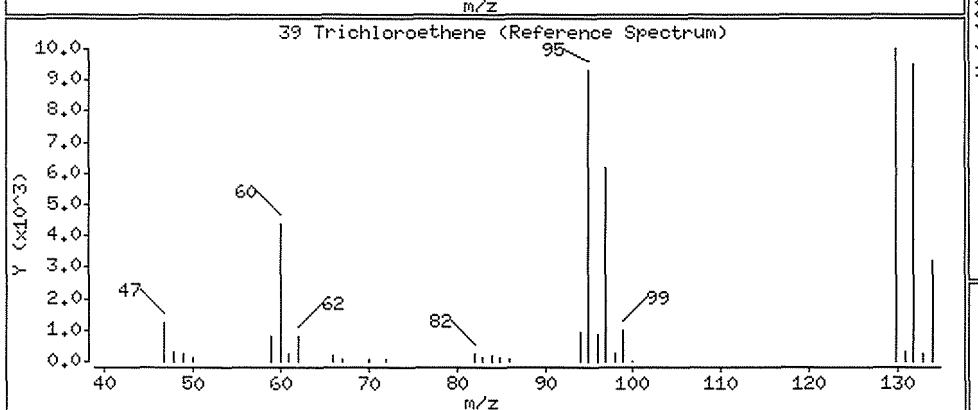
Column diameter: 0.53

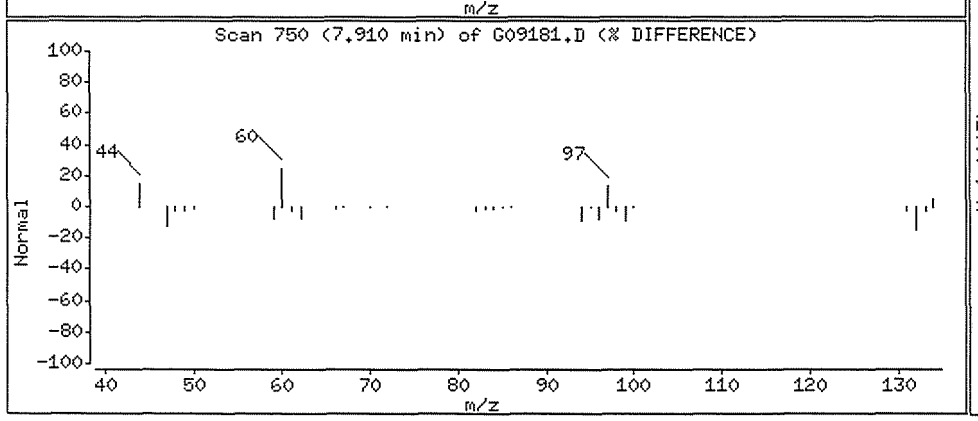
39 Trichloroethene

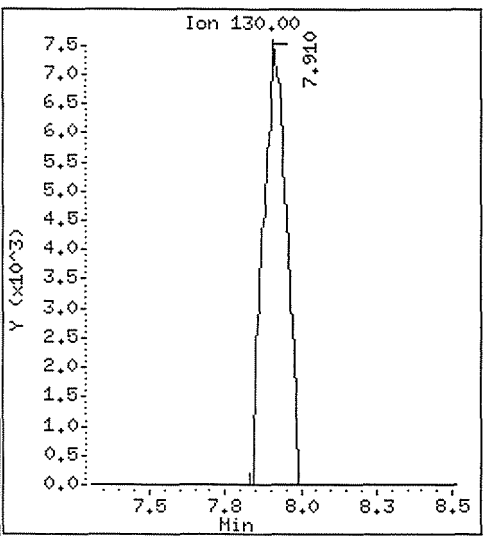
Concentration: 4.16 ug/Kg

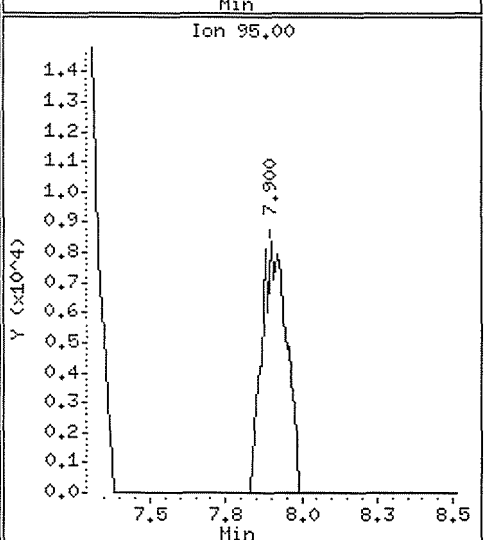


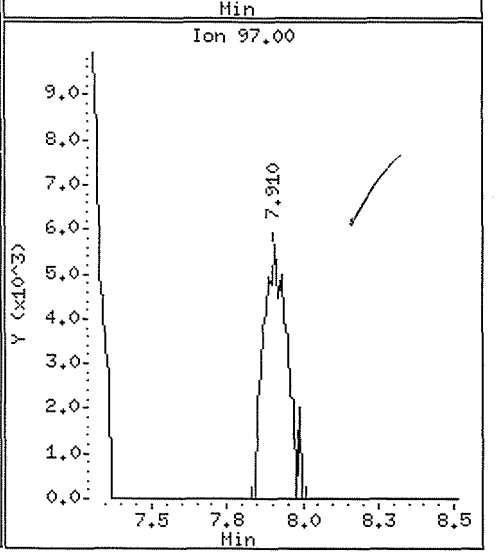



Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09181.D

Date : 22-OCT-2000 07:57

Client ID: G09181

Instrument: mg.i

Sample Info: DLW6F101,,2,,0,1,0,8260BGS.M,G09181

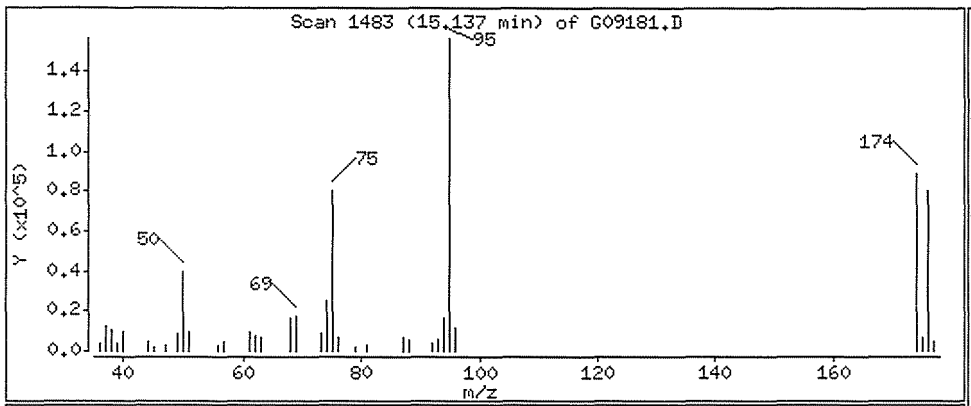
Operator: AD

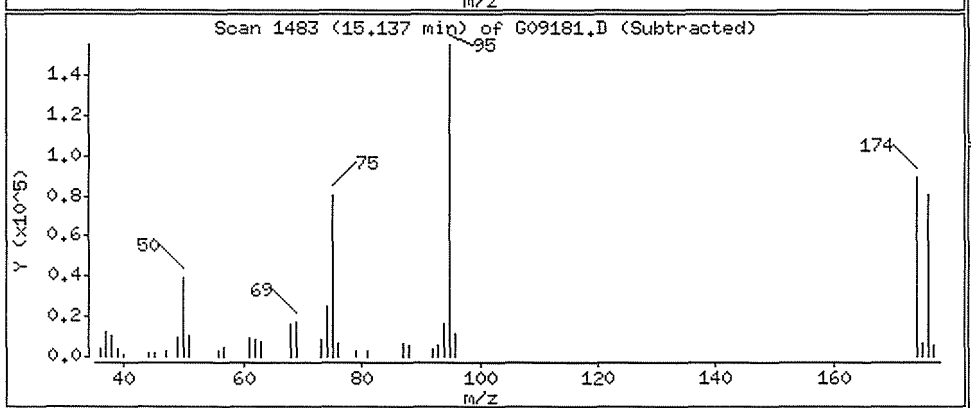
Column phase: J&W DB-624

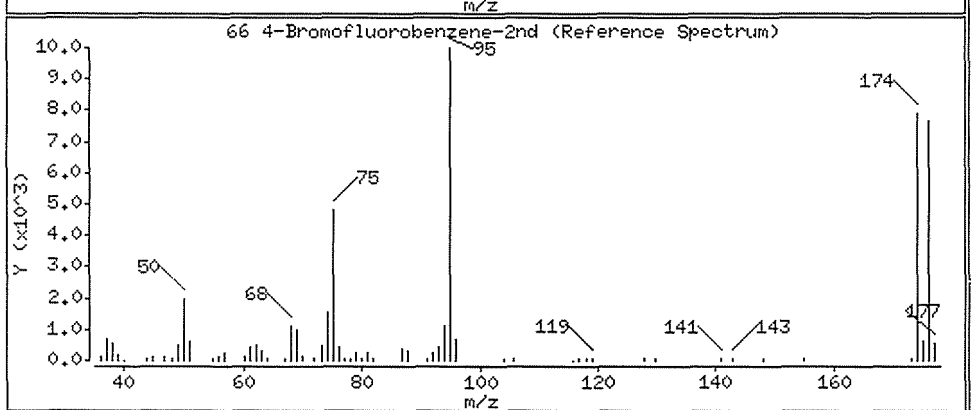
Column diameter: 0.53

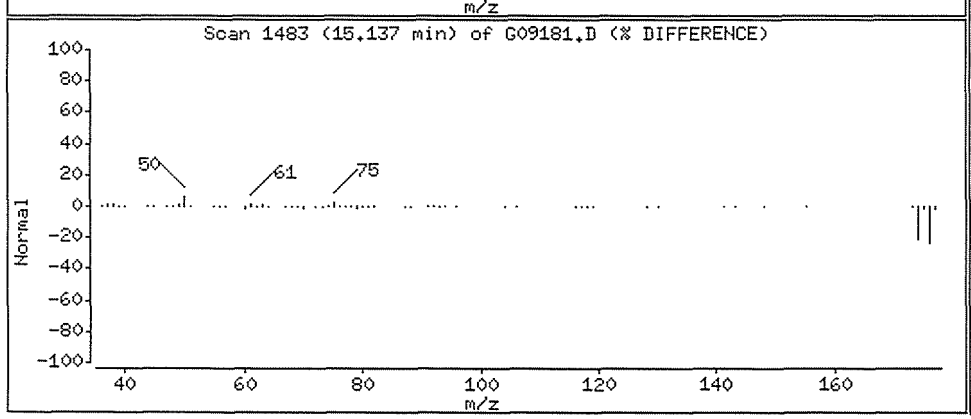
66 4-Bromofluorobenzene-2nd

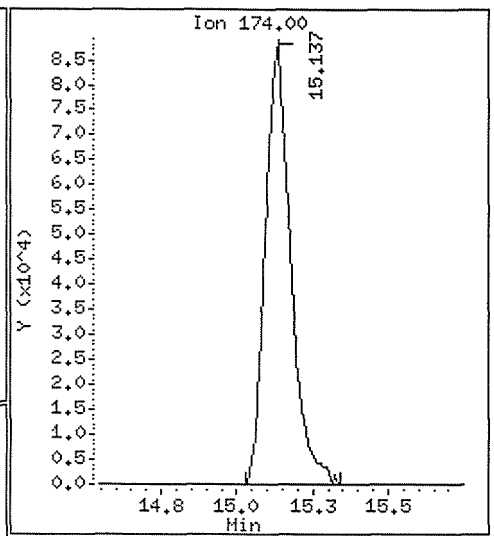
Concentration: 51.05 ug/Kg

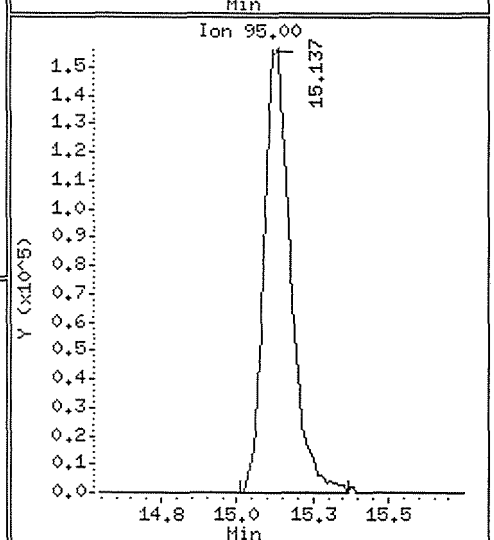


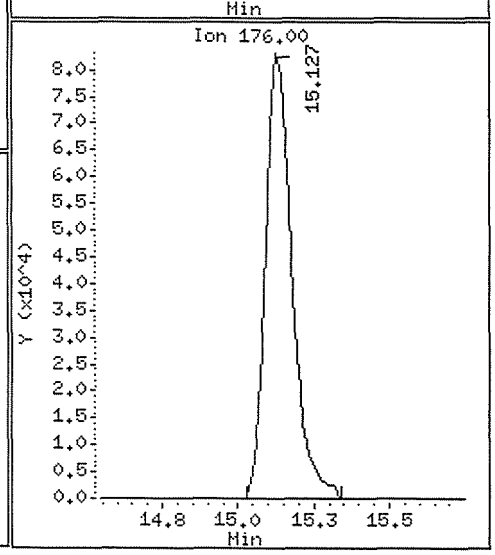



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09182.D
Lab Smp Id: DLW6G101 Client Smp ID: G09182
Inj Date : 22-OCT-2000 08:31
Operator : AD Inst ID: mg.i
Smp Info : DLW6G101,,2,,0,1,0,8260BGS.M,G09182
Misc Info : 272-17,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.161 | 6.176 | (0.846) | 806148 | 55.2913 | 55.29 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.704 | 6.718 | (0.920) | 662005 | 57.2358 | 57.24 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.713 | 6.708 | (0.922) | 113588 | 62.3406 | 62.34 | |
| * 38 Fluorobenzene | 96 | 7.285 | 7.270 | (1.000) | 1265913 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.115 | 10.119 | (0.791) | 1285771 | 52.3164 | 52.32 | |
| * 56 Chlorobenzene-d5 | 117 | 12.787 | 12.821 | (1.000) | 995482 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.123 | 15.148 | (0.867) | 1058177 | 55.2080 | 55.21 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.133 | 15.148 | (0.868) | 565639 | 51.8981 | 51.90 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.440 | 17.465 | (1.000) | 585048 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09182.D
Lab Smp Id: DLW6G101 Client Smp ID: G09182
Inj Date : 22-OCT-2000 08:31
Operator : AD Inst ID: mg.i
Smp Info : DLW6G101,,2,,0,1,0,8260BGS.M,G09182
Misc Info : 272-17,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.285 | 3233850 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.419 | 1182378 | 18.2812687 | 18.28 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6G101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09182
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ NO | 1.419 | 18.28 | J |

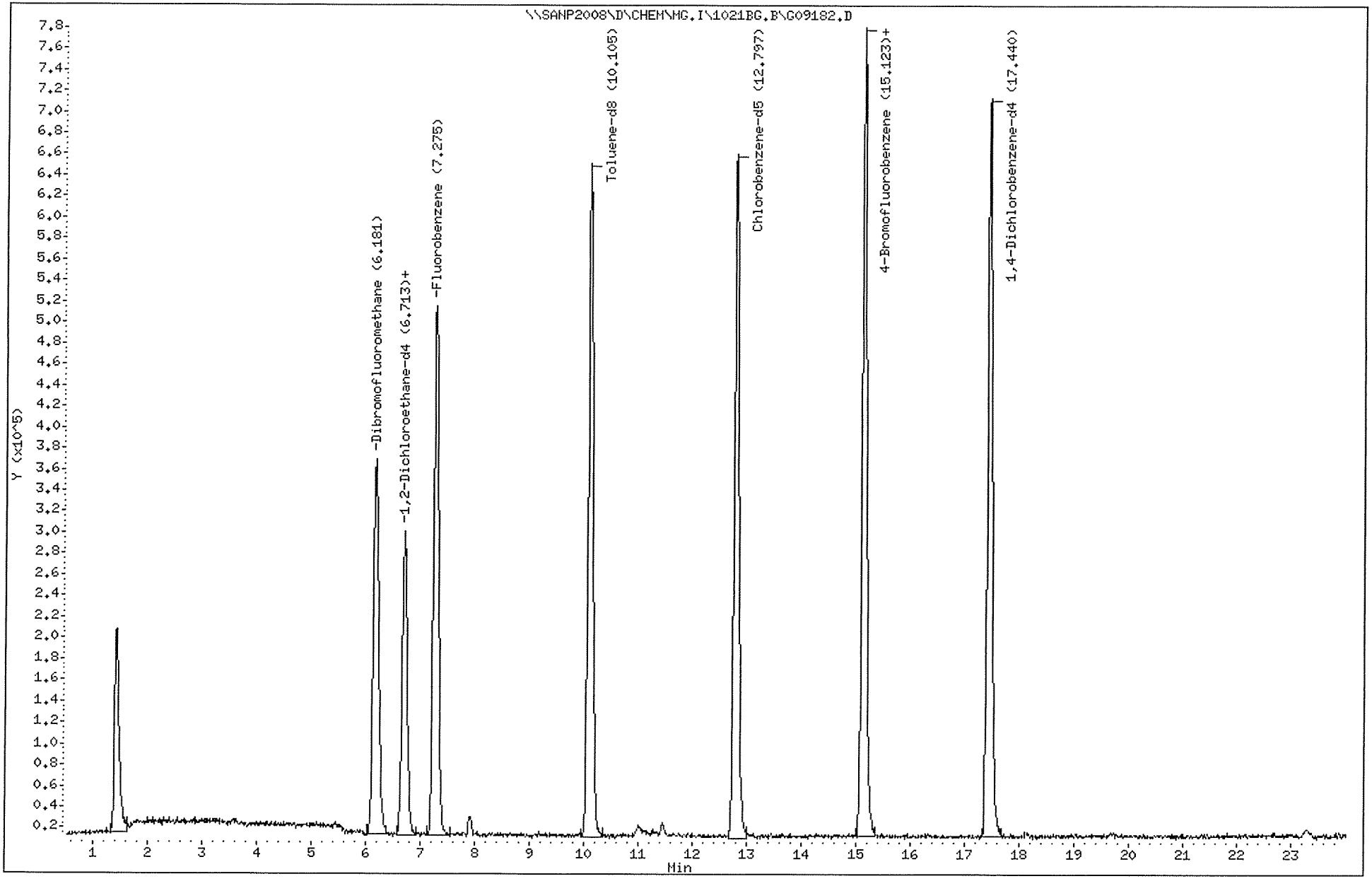
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09182.D
Date : 22-OCT-2000 08:31
Client ID: G09182
Sample Info: DLW6G101,,2,,0,1,0,8260BGS.M,G09182

Column phase: J&W DB-624

Instrument: mg.i

Operator: AD
Column diameter: 0.53






000598

BOE-C6-0167705

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09182.D

Date : 22-OCT-2000 08:31

Client ID: G09182

Instrument: mg.i

Sample Info: DLW6G101,,2,,0,1,0,8260BGS.M,G09182

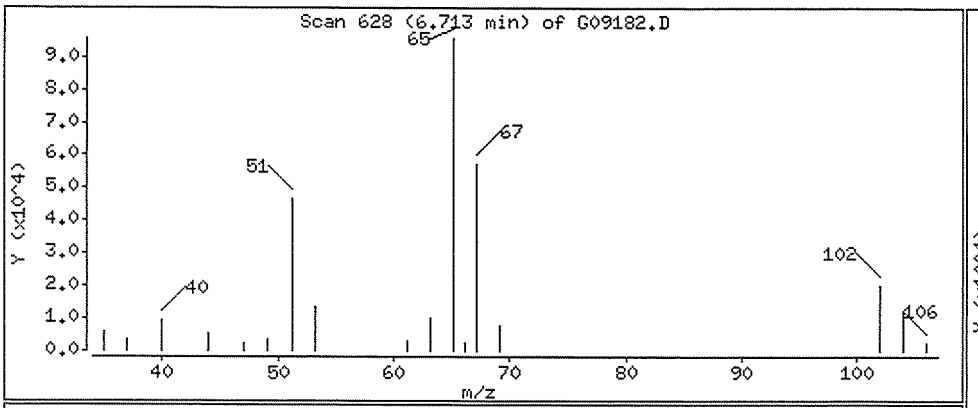
Operator: AD

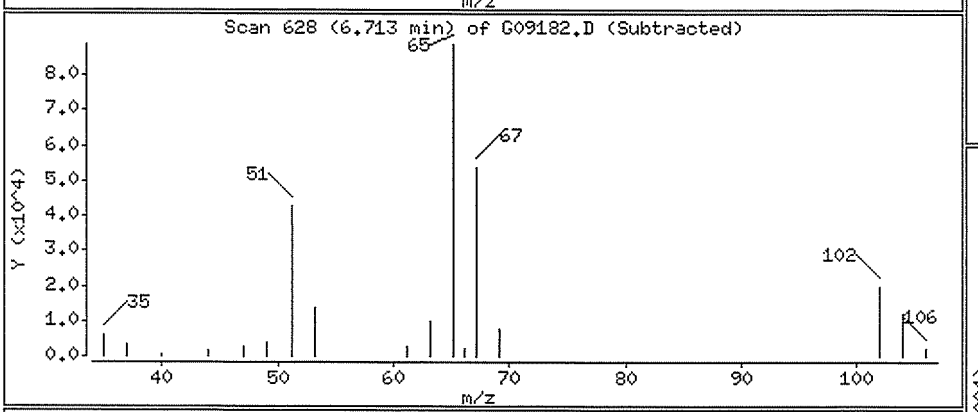
Column phase: J&W DB-624

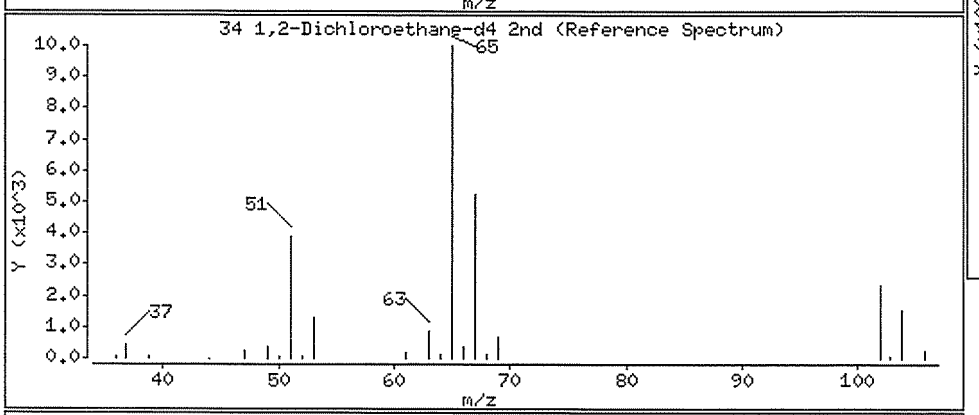
Column diameter: 0.53

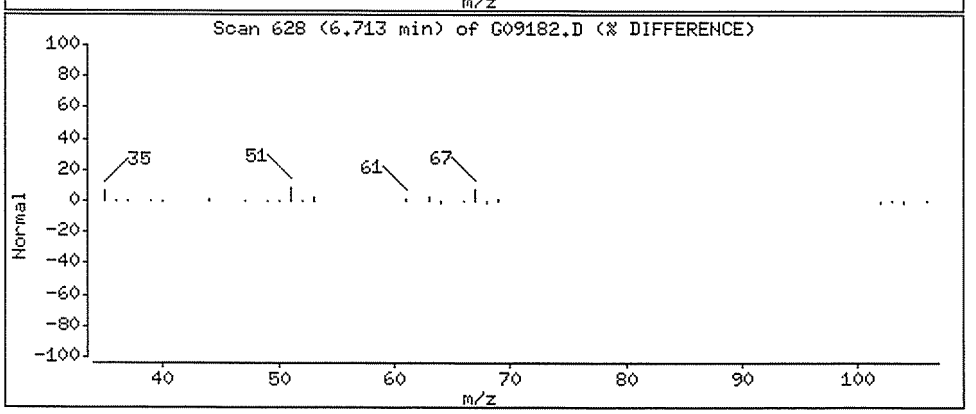
34 1,2-Dichloroethane-d4 2nd

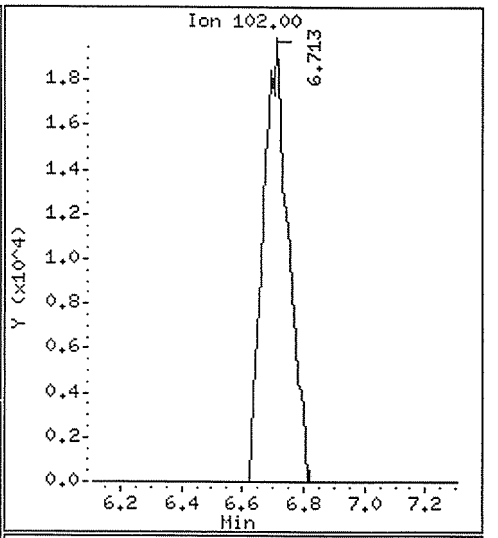
Concentration: 62.34 ug/Kg

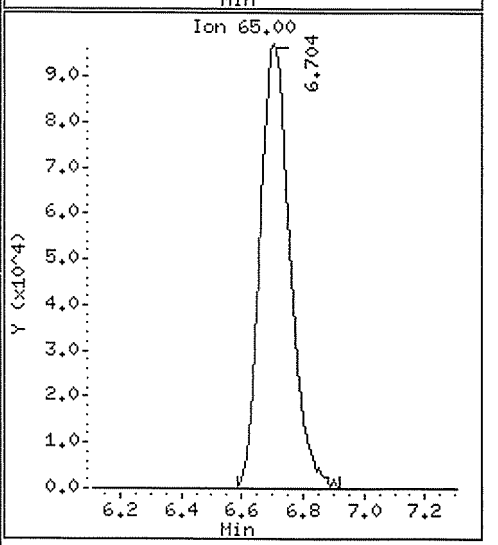


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09182.D

Date : 22-OCT-2000 08:31

Client ID: G09182

Instrument: mg.i

Sample Info: DLW6G101,,2,,0,1,0,8260BGS.M,G09182

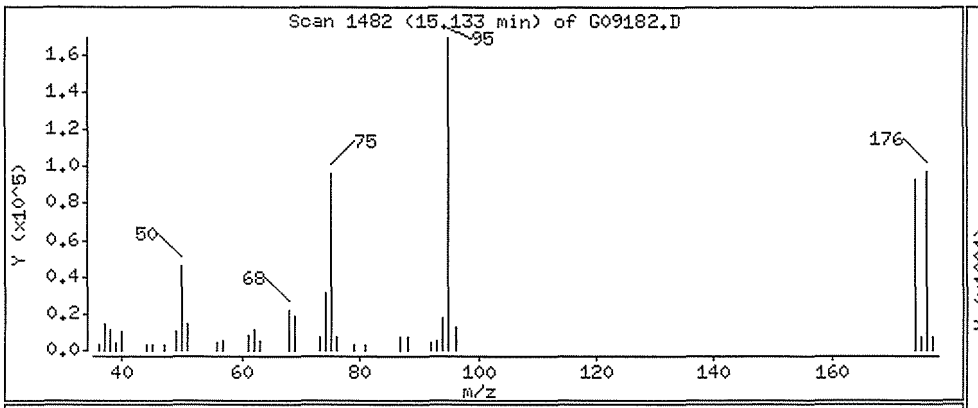
Operator: AD

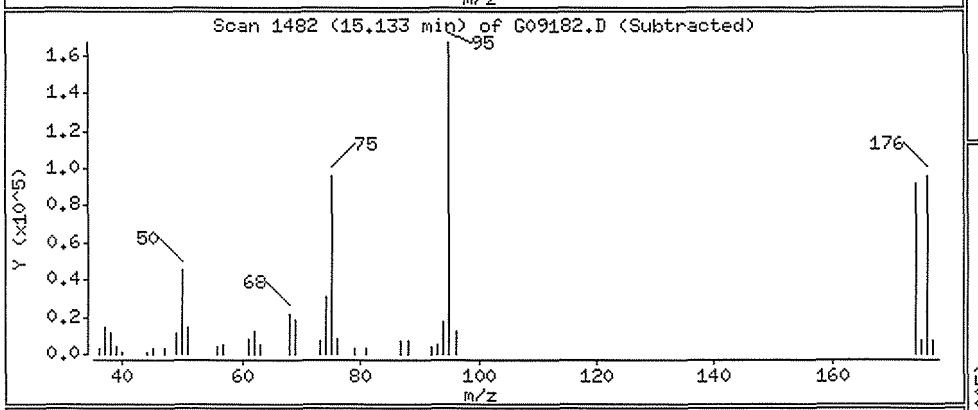
Column phase: J&W DB-624

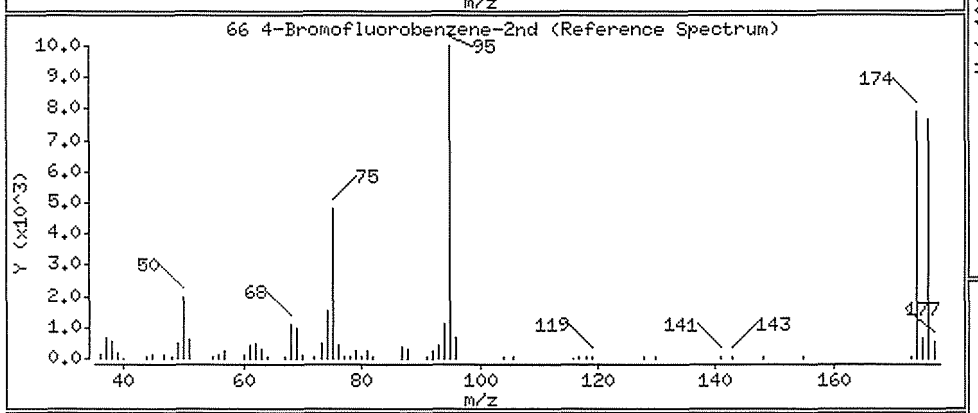
Column diameter: 0.53

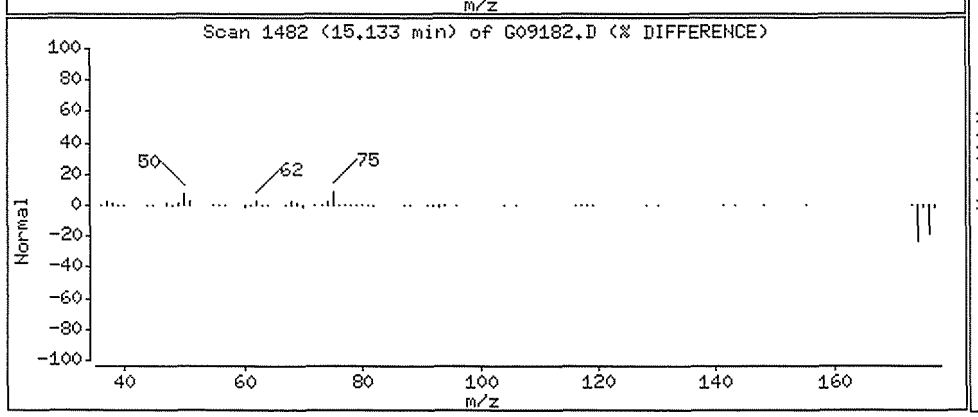
66 4-Bromofluorobenzene-2nd

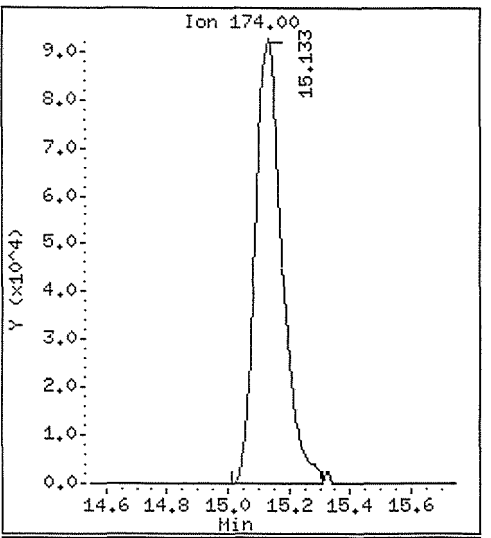
Concentration: 51.90 ug/Kg

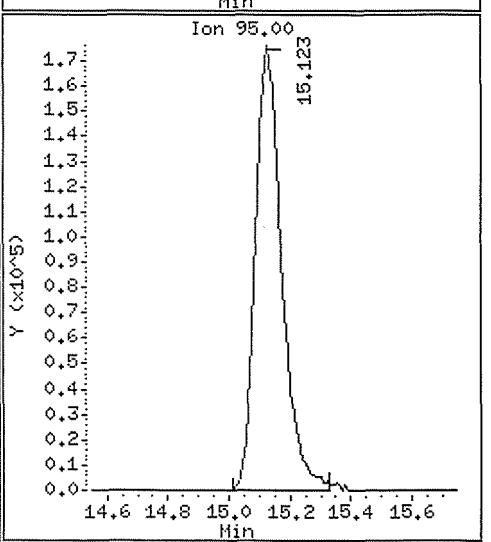


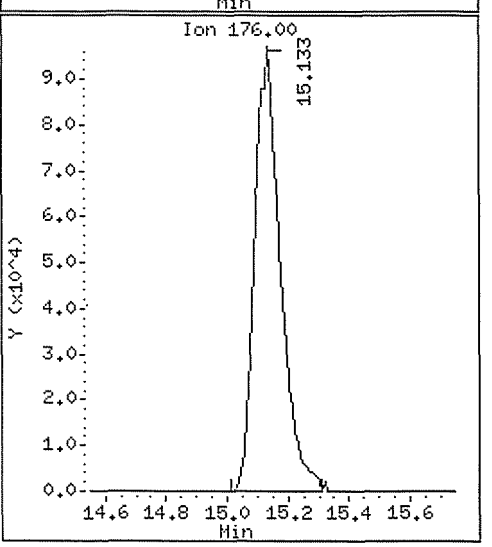



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09183.D
Lab Smp Id: DLW6J101 Client Smp ID: G09183
Inj Date : 22-OCT-2000 09:06
Operator : AD Inst ID: mg.i
Smp Info : DLW6J101,,2,,0,1,0,8260BGS.M,G09183
Misc Info : 272-18,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.175 | 6.176 | (0.849) | 753111 | 50.4046 | 50.40 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.708 | 6.718 | (0.923) | 630992 | 53.2352 | 53.24 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.708 | 6.708 | (0.923) | 110241 | 59.0408 | 59.04 | |
| * 38 Fluorobenzene | 96 | 7.270 | 7.270 | (1.000) | 1297283 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.099 | 10.119 | (0.790) | 1247766 | 50.6694 | 50.67 | |
| * 56 Chlorobenzene-d5 | 117 | 12.791 | 12.821 | (1.000) | 997458 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.127 | 15.148 | (0.868) | 957455 | 51.9022 | 51.90 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.118 | 15.148 | (0.868) | 515904 | 49.1818 | 49.18 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.425 | 17.465 | (1.000) | 563077 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09183.D
Lab Smp Id: DLW6J101 Client Smp ID: G09183
Inj Date : 22-OCT-2000 09:06
Operator : AD Inst ID: mg.i
Smp Info : DLW6J101,,2,,0,1,0,8260BGS.M,G09183
Misc Info : 272-18,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.270 | 3289361 | 50.000 |

| | CONCENTRATIONS | | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.413 | 1216933 | 18.4980071 | 18.50 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6J101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09183
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ ND | 1.413 | 18.50 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09183.D

Date : 22-OCT-2000 09:06

Client ID: G09183

Sample Info: DLW6J101,,2,,0,1,0,8260BGS.M,G09183

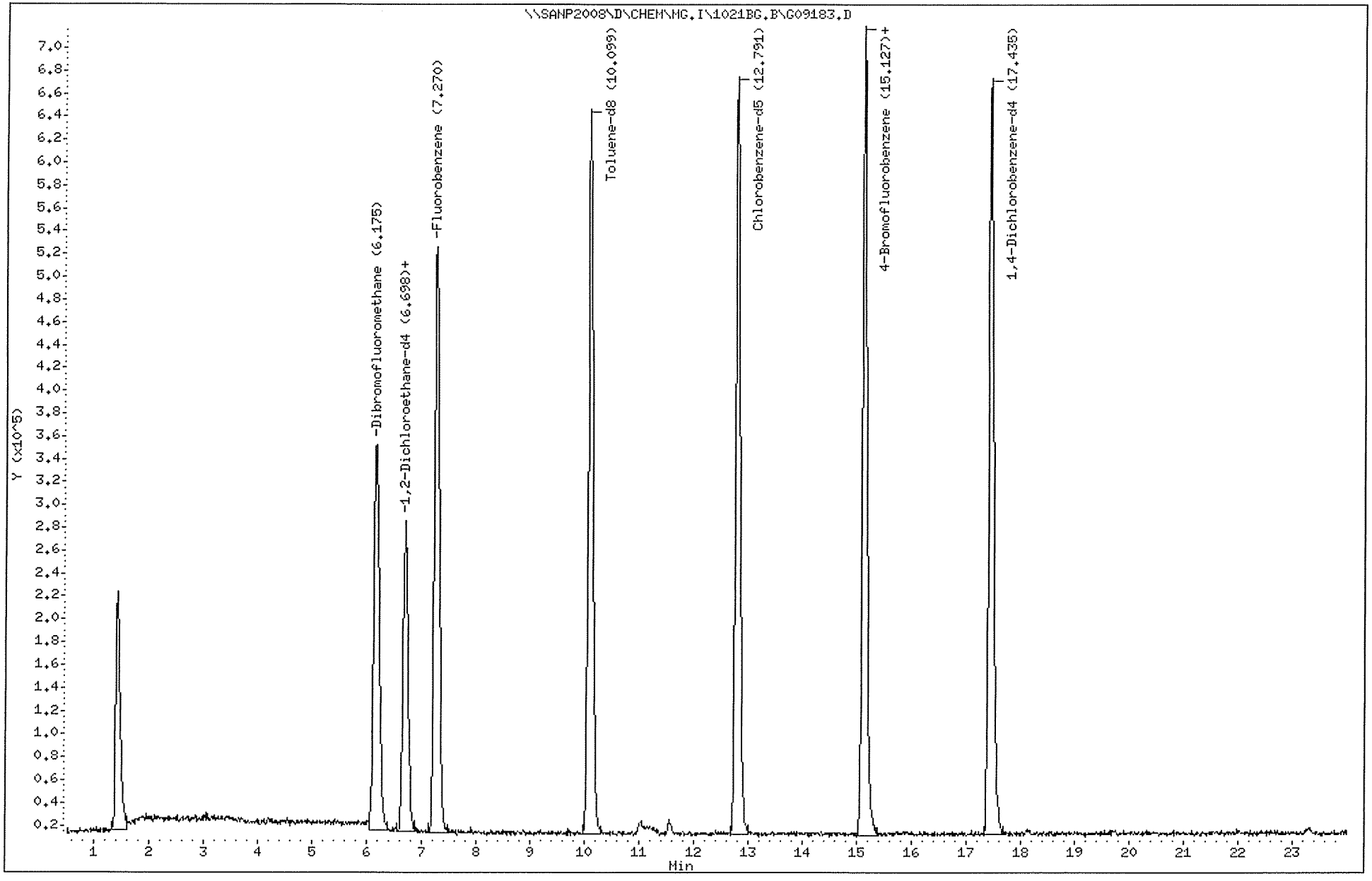
Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53






BOE-C6-0167711

000604

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09183.D

Date : 22-OCT-2000 09:06

Client ID: G09183

Instrument: mg.i

Sample Info: DLW6J101,,2,,0,1,0,8260BGS.M,G09183

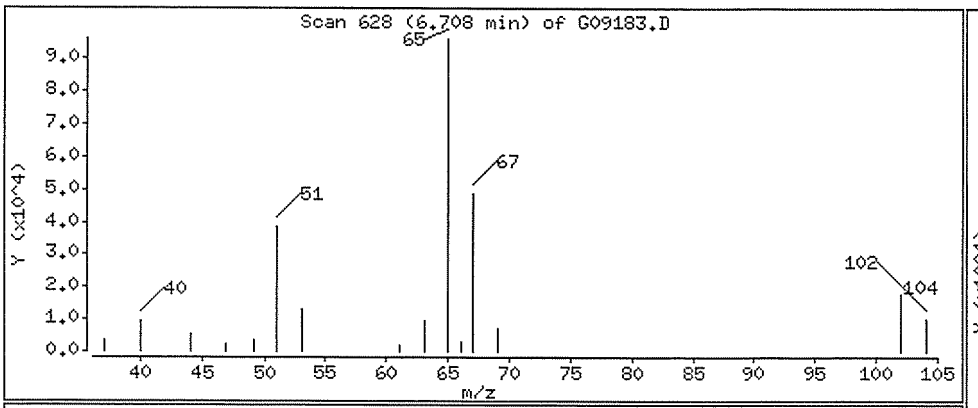
Operator: AD

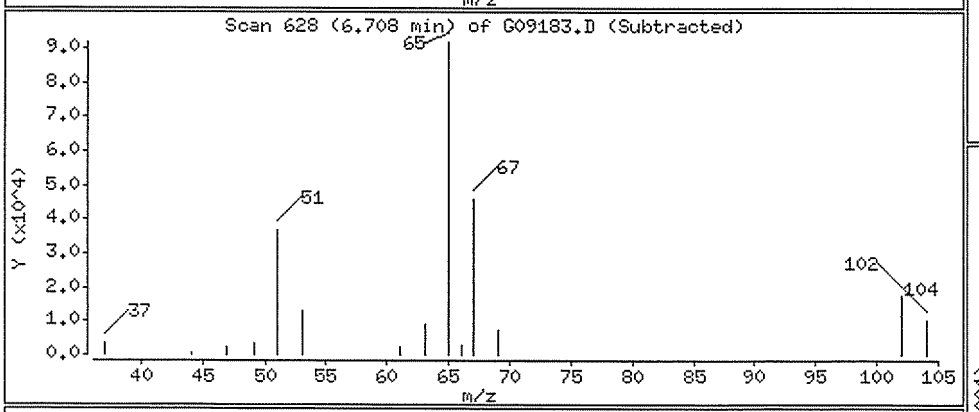
Column phase: J&W DB-624

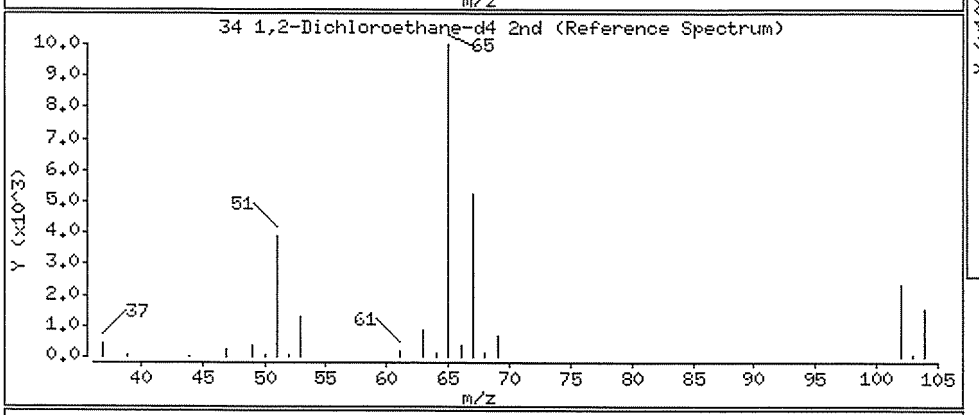
Column diameter: 0.53

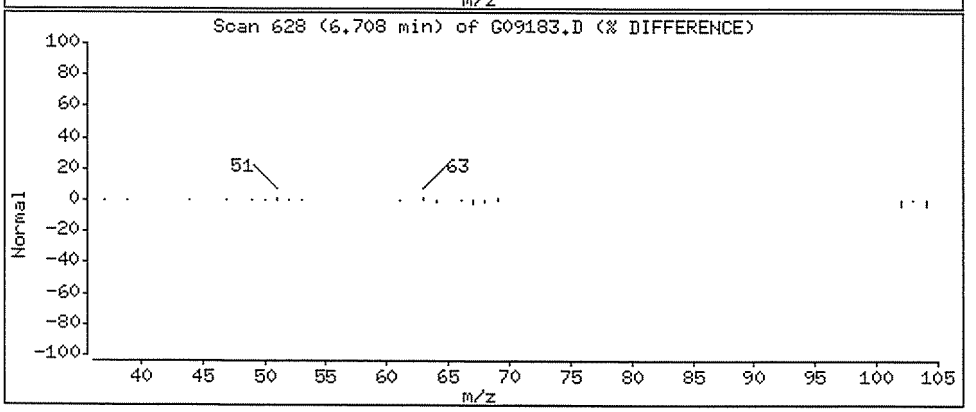
34 1,2-Dichloroethane-d4 2nd

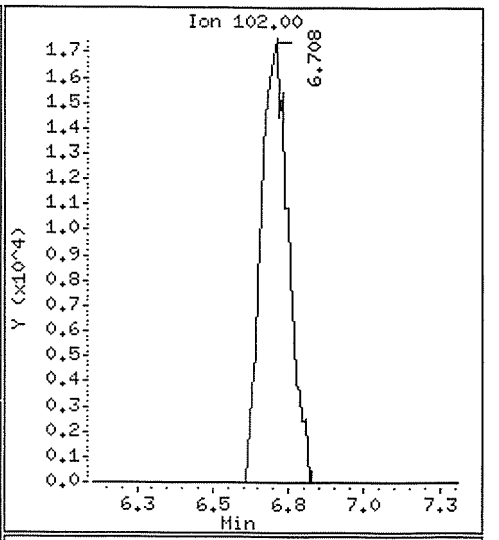
Concentration: 59.04 ug/Kg

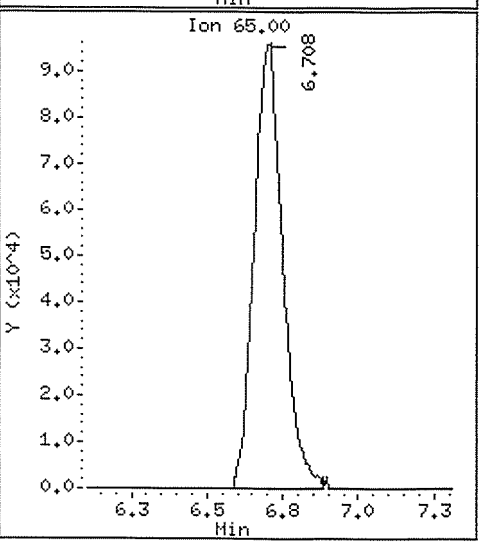


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09183.D

Date : 22-OCT-2000 09:06

Client ID: G09183

Instrument: mg.i

Sample Info: DLW6J101,,2,,0,1,0,8260BGS.M,G09183

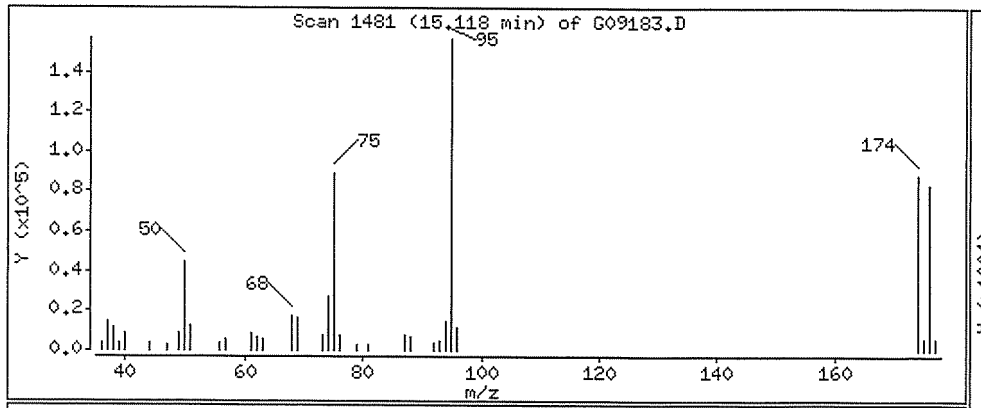
Operator: AD

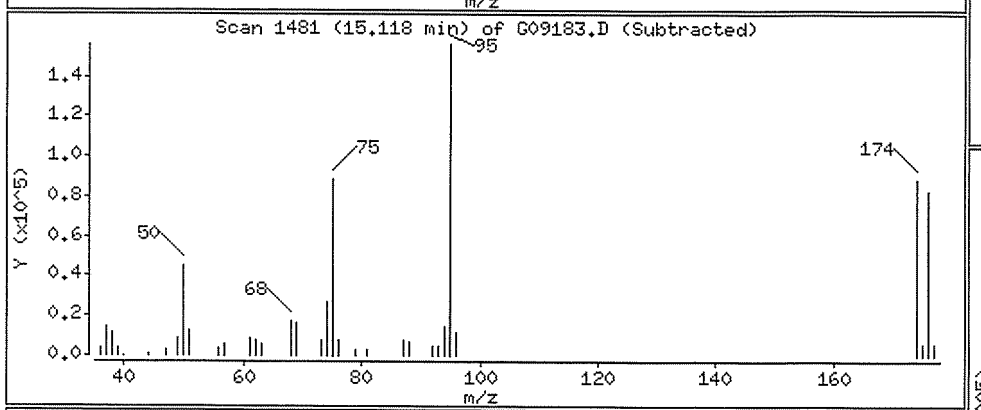
Column phase: J&W DB-624

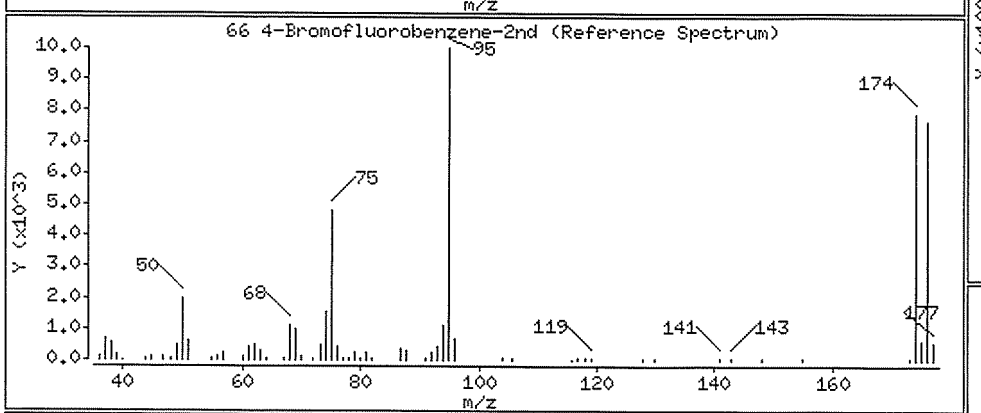
Column diameter: 0.53

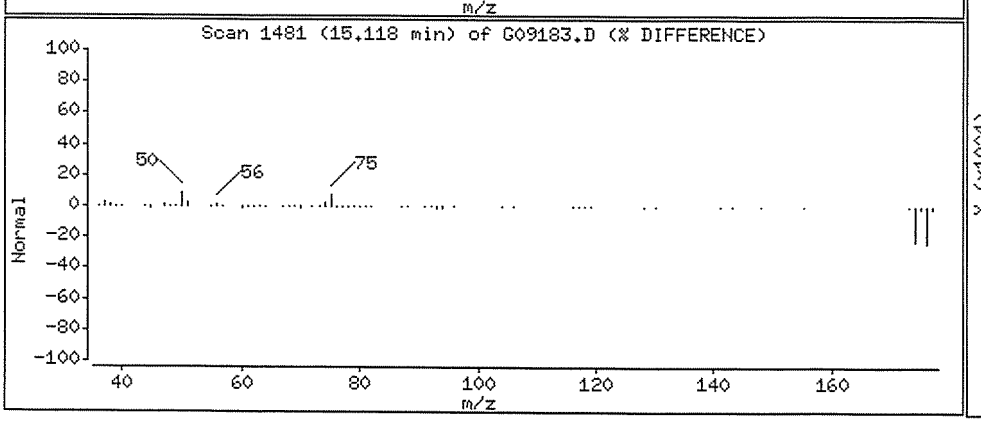
66 4-Bromofluorobenzene-2nd

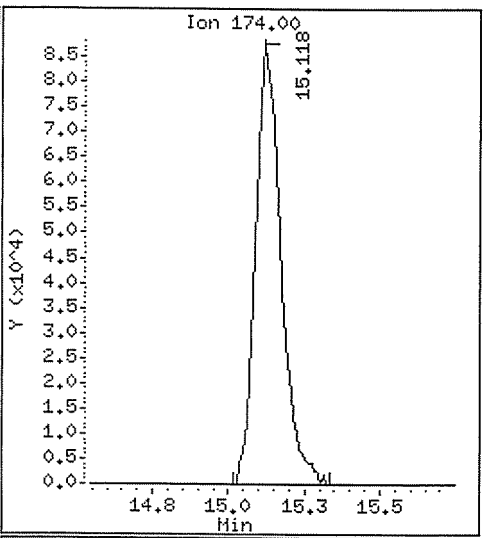
Concentration: 49.18 ug/Kg

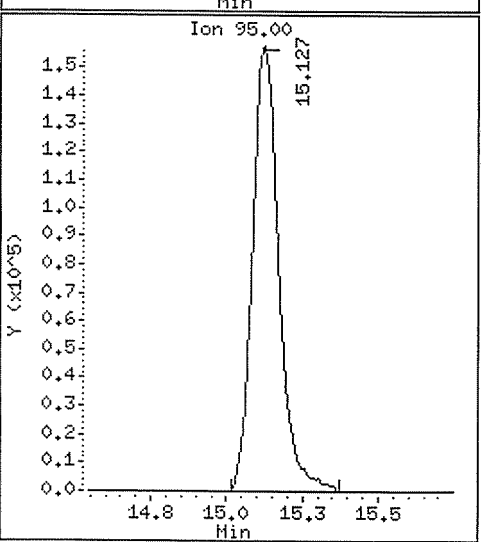


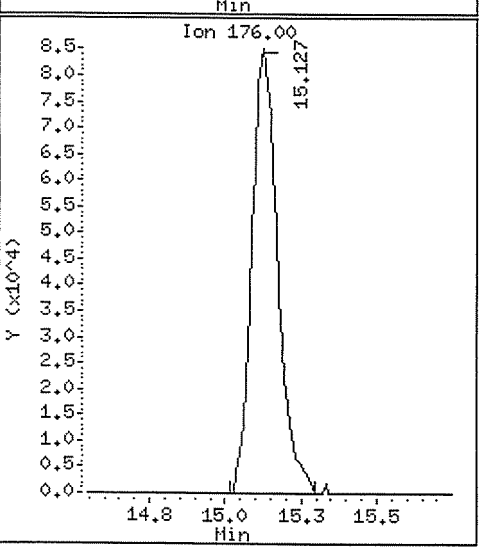



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09184.D
Lab Smp Id: DLW6L101 Client Smp ID: G09184
Inj Date : 22-OCT-2000 09:40
Operator : AD Inst ID: mg.i
Smp Info : DLW6L101,,2,,0,1,0,8260BGS.M,G09184
Misc Info : 272-19,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| $ 29 Dibromofluoromethane | 111 | 6.174 | 6.176 | (0.849) | 800895 | 53.2240 | 53.22 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.697 | 6.718 | (0.921) | 649421 | 54.4028 | 54.40 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.687 | 6.708 | (0.920) | 115446 | 61.3915 | 61.39 | |
| * 38 Fluorobenzene | 96 | 7.269 | 7.270 | (1.000) | 1306514 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.098 | 10.119 | (0.789) | 1288429 | 49.7114 | 49.71 | |
| * 56 Chlorobenzene-d5 | 117 | 12.800 | 12.821 | (1.000) | 1049813 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.127 | 15.148 | (0.867) | 1016169 | 51.2729 | 51.27 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.137 | 15.148 | (0.868) | 551822 | 48.9653 | 48.96 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.444 | 17.465 | (1.000) | 604942 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09184.D
Lab Smp Id: DLW6L101 Client Smp ID: G09184
Inj Date : 22-OCT-2000 09:40
Operator : AD Inst ID: mg.i
Smp Info : DLW6L101,,2,,0,1,0,8260BGS.M,G09184
Misc Info : 272-19,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.269 | 3300999 | 50.000 |
| * 79 1,4-Dichlorobenzene-d4 | 17.444 | 4055820 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.412 | 1226067 | 18.5711404 | 18.57 | 0 | | 0 | 38 |
| Unknown | | | | CAS #: | | | |
| 15.432 | 450485 | 5.55356349 | 5.55 | 0 | | 0 | 79 |

| RT | AREA | CONCENTRATIONS ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | QUANT LIBRARY | LIB ENTRY | CPND # |
|---|---|---|---|---|---|---|---|
| Unknown | | | | CAS #: | | | |
| 16.211 | 577333 | 7.11734022 | 7.12 | 0 | | 0 | 79 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6L101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09184
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

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

FSL 10/26/00

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| ~~1.~~ FSL | ~~Unknown~~ CO2 | ~~1.412~~ | ~~18.57~~ | J |
| ~~2.~~ 1 | Unknown | 15.432 | 5.55 | J |
| ~~3.~~ 2 | Unknown | 16.211 | 7.12 | J |

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09184.D

Date : 22-OCT-2000 09:40

Client ID: G09184

Sample Info: DLW6L101,,2,,0,1,0,8260BGS.M,G09184

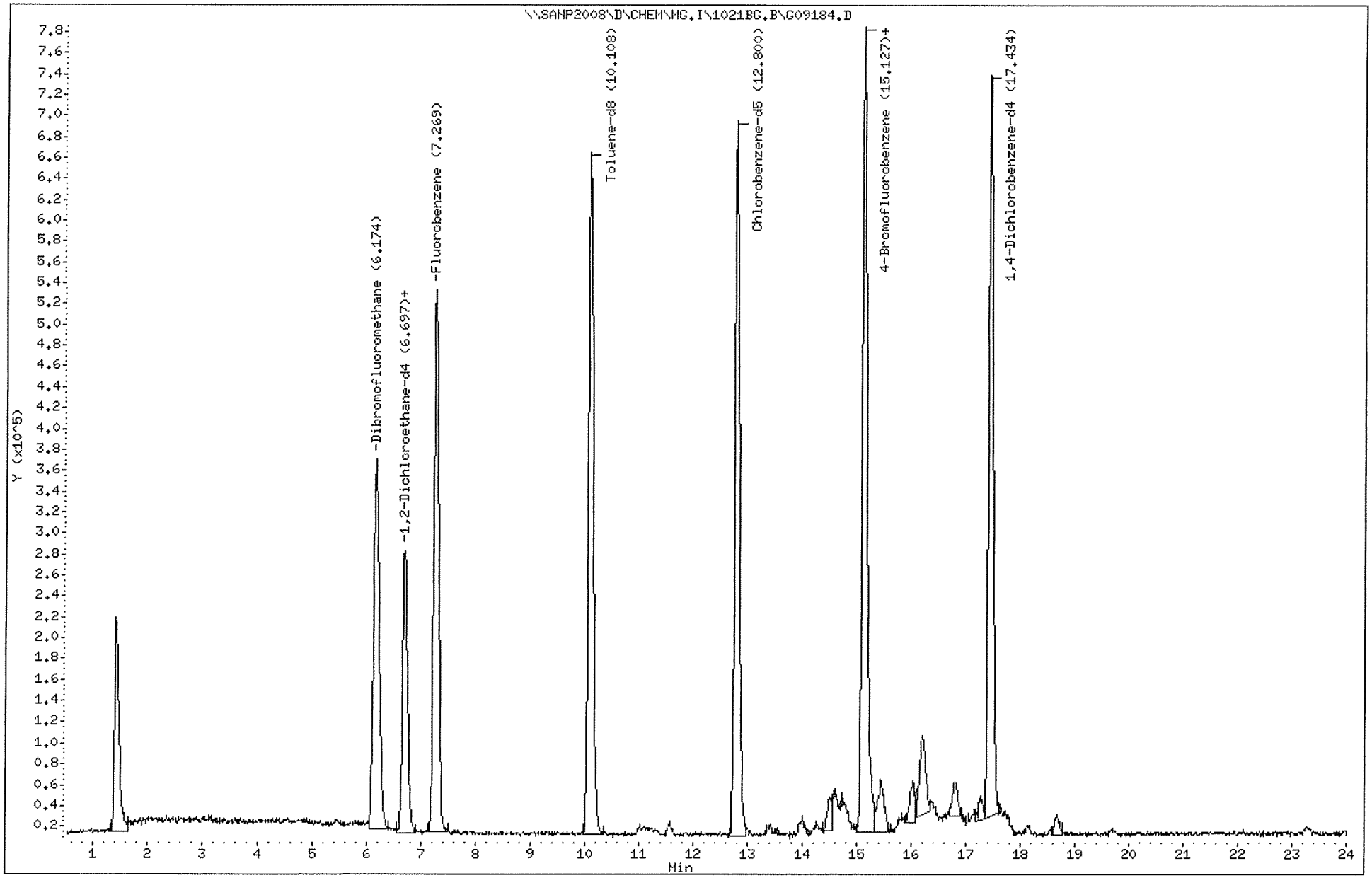
Column phase: J&W DB-624

Instrument: mg.i

Operator: AD

Column diameter: 0.53






00061

BOE-C6-0167718

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09184.D

Date : 22-OCT-2000 09:40

Client ID: G09184

Instrument: mg.i

Sample Info: DLW6L101,,2,,0,1,0,8260BGS.M,G09184

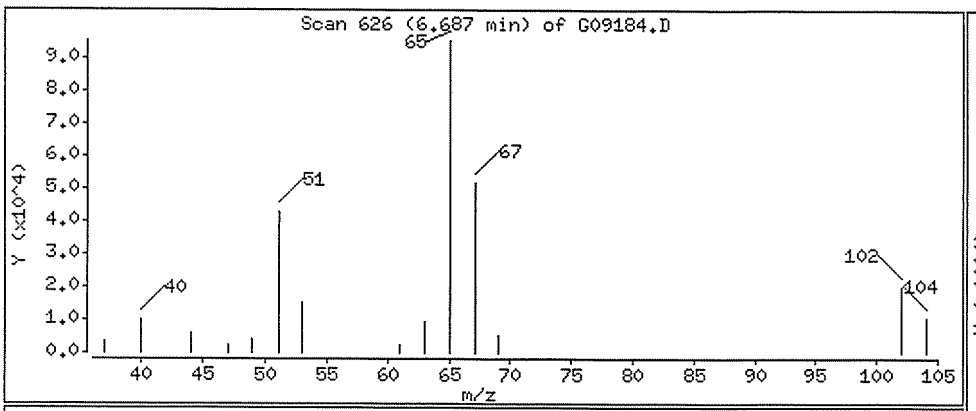
Operator: AD

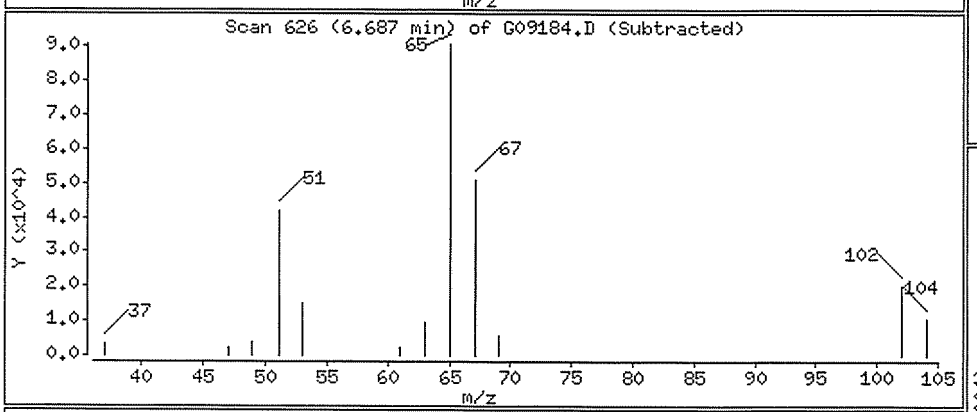
Column phase: J&W DB-624

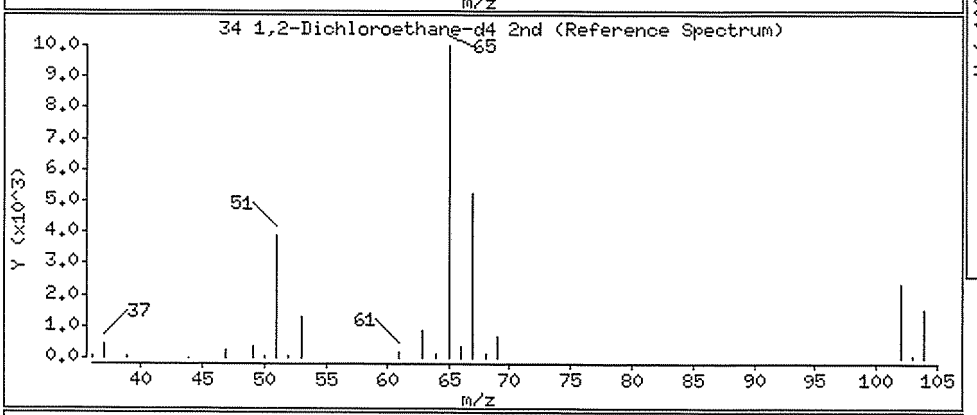
Column diameter: 0.53

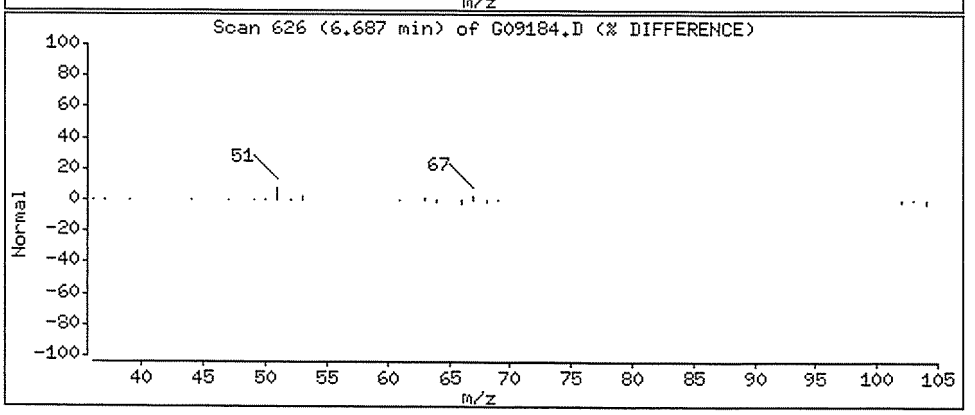
34 1,2-Dichloroethane-d4 2nd

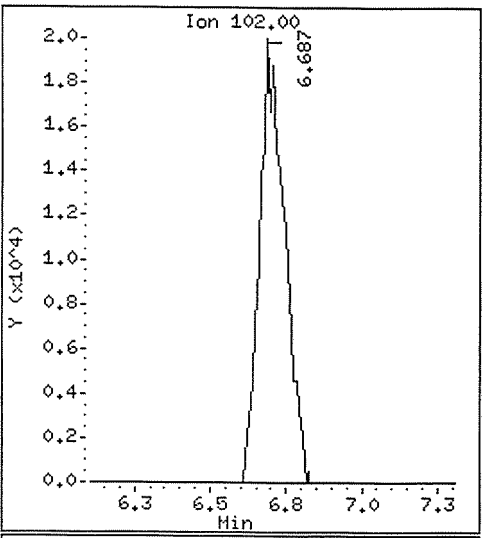
Concentration: 61.39 ug/Kg

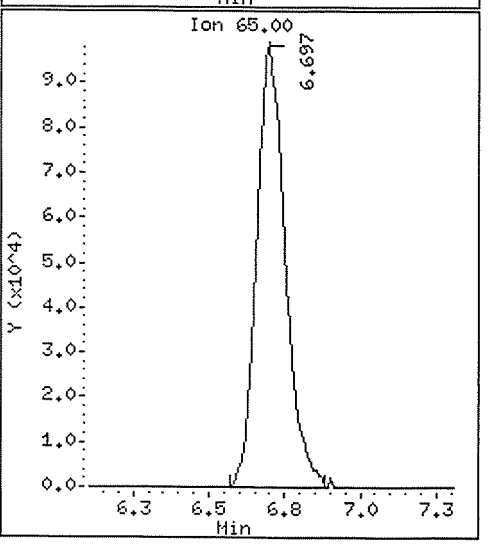


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09184.D

Date : 22-OCT-2000 09:40

Client ID: G09184

Instrument: mg.i

Sample Info: DLW6L101,,2,,0,1,0,8260BGS.M,G09184

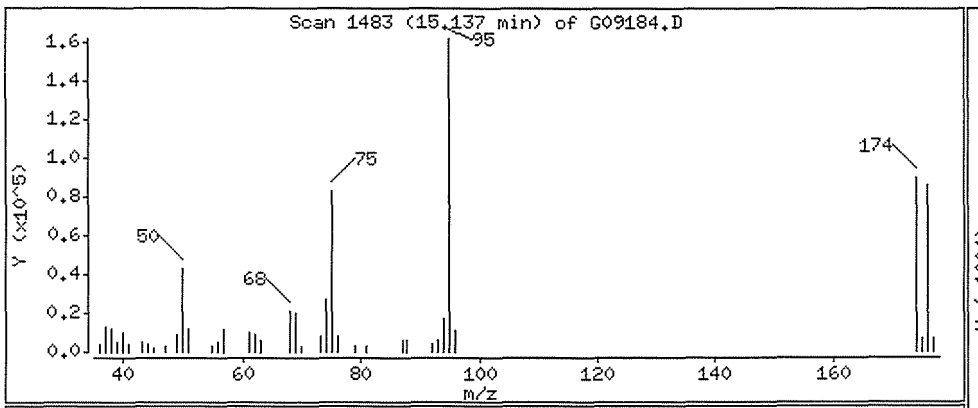
Operator: AD

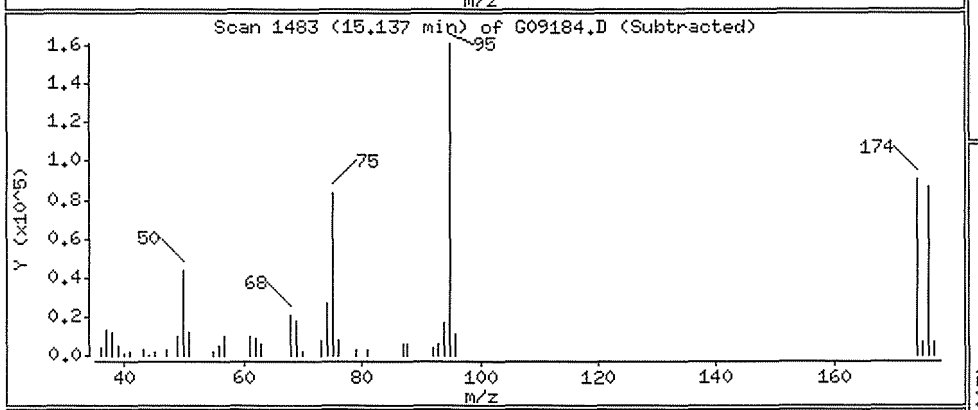
Column phase: J&W DB-624

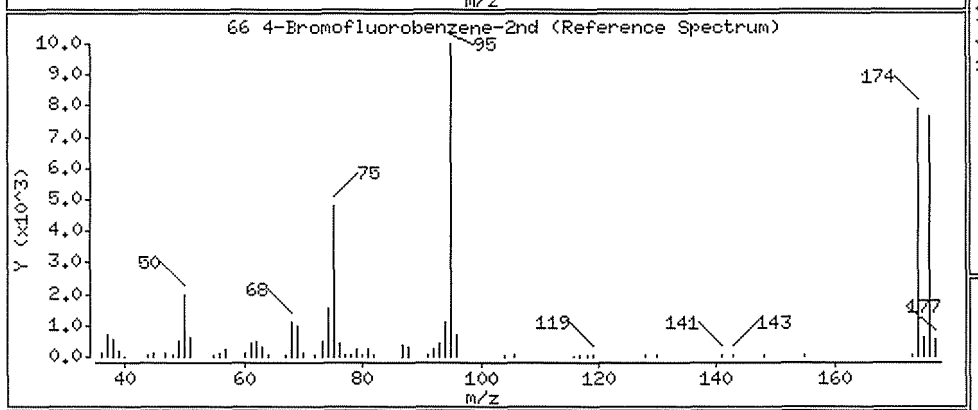
Column diameter: 0.53

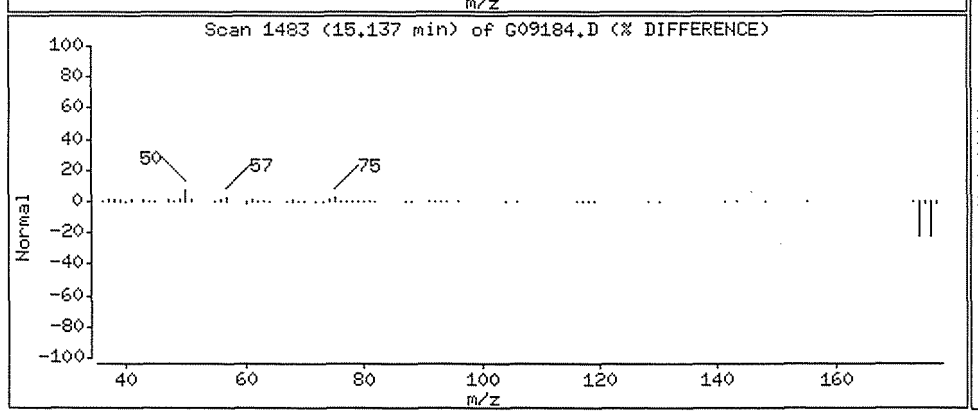
66 4-Bromofluorobenzene-2nd

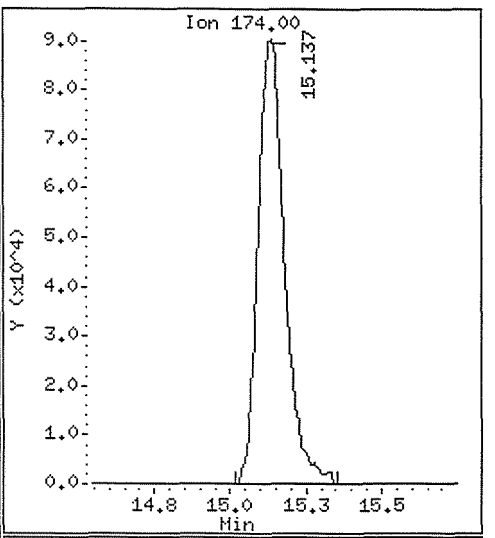
Concentration: 48.96 ug/Kg

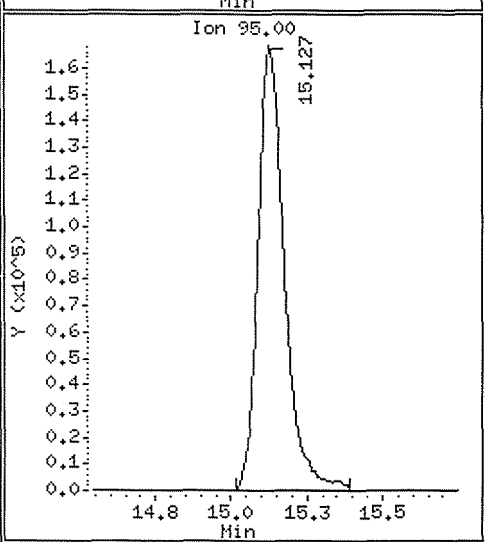


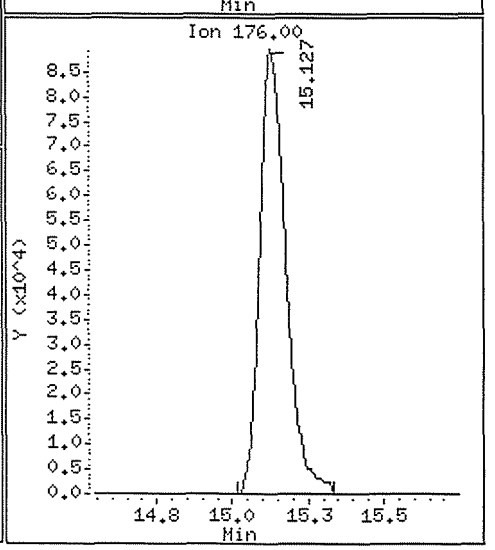



STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09185.D
Lab Smp Id: DLW6M101 Client Smp ID: G09185
Inj Date : 22-OCT-2000 10:15
Operator : AD Inst ID: mg.i
Smp Info : DLW6M101,,2,,0,1,0,8260BGS.M,G09185
Misc Info : 272-20,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS ON-COLUMN (ug/Kg) | FINAL (ug/Kg) | |
|---|---|---|---|---|---|---|---|---|
| 10 Acetone | 43 | 3.016 | 3.040 | (0.415) | 14142 | 5.55578 | 5.56 | |
| $ 29 Dibromofluoromethane | 111 | 6.171 | 6.176 | (0.848) | 774606 | 51.1130 | 51.11 | |
| $ 33 1,2-Dichloroethane-d4 | 65 | 6.693 | 6.718 | (0.920) | 643216 | 53.5022 | 53.50 | |
| 34 1,2-Dichloroethane-d4 2nd | 102 | 6.703 | 6.708 | (0.921) | 114430 | 60.4212 | 60.42 | |
| * 38 Fluorobenzene | 96 | 7.275 | 7.270 | (1.000) | 1315817 | 50.0000 | | |
| $ 47 Toluene-d8 | 98 | 10.105 | 10.119 | (0.790) | 1270542 | 49.6737 | 49.67 | |
| * 56 Chlorobenzene-d5 | 117 | 12.796 | 12.821 | (1.000) | 1036025 | 50.0000 | | |
| $ 67 4-Bromofluorobenzene | 95 | 15.123 | 15.148 | (0.867) | 987522 | 52.2178 | 52.22 | |
| 66 4-Bromofluorobenzene-2nd | 174 | 15.133 | 15.148 | (0.868) | 548376 | 50.9939 | 50.99 | |
| * 79 1,4-Dichlorobenzene-d4 | 152 | 17.440 | 17.465 | (1.000) | 577249 | 50.0000 | | (Q) |

QC Flag Legend

Q - Qualifier signal failed the ratio test.

STL Los Angeles

VOLATILE REPORT low level 8260B

Data file : \\SANP2008\D\CHEM\MG.I\1021BG.B\G09185.D
Lab Smp Id: DLW6M101 Client Smp ID: G09185
Inj Date : 22-OCT-2000 10:15
Operator : AD Inst ID: mg.i
Smp Info : DLW6M101,,2,,0,1,0,8260BGS.M,G09185
Misc Info : 272-20,,5,,0,1-8260B.SUB
Comment :
Method : \\SANP2008\D\CHEM\MG.I\1021BG.B\8260BGS.m
Meth Date : 22-Oct-2000 00:31 beckmang Quant Type: ISTD
Cal Date : 19-OCT-2000 00:29 Cal File: GS2297.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-8260B.SUB
Target Version: 4.00
Processing Host: SANP2008

Concentration Formula: Amt * DF * Uf * (Vp/(Ws *(100-M)/100))/1000

| Name | Value | Description |
|---|---|---|
| DF | 1.000 | Dilution Factor |
| Uf | 1.000 | Unit Factor |
| Vp | 5000.000 | Purge Volume |
| Ws | 5.000 | Weight of sample extracted |
| M | 0.000 | % moisture |

| ISTD | RT | AREA | AMOUNT |
|---|---|---|---|
| * 38 Fluorobenzene | 7.275 | 3326688 | 50.000 |

| | | CONCENTRATIONS | | | QUANT | | |
|---|---|---|---|---|---|---|---|
| RT | AREA | ON-COL(ug/Kg) | FINAL(ug/Kg) | QUAL | LIBRARY | LIB ENTRY | CPND # |
| Unknown | | | | CAS #: | | | |
| 1.409 | 992817 | 14.9219988 | 14.92 | 0 | | 0 | 38 |

STL Los Angeles

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: DLW6M101
Operator : AD
Sample Location:
Sample Matrix: SOIL
Analysis Type: VOA

Client SDG: SDGa06253
Client Smp ID: G09185
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 1

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~Unknown~~ NP | 1.409 | 14.92 | J |

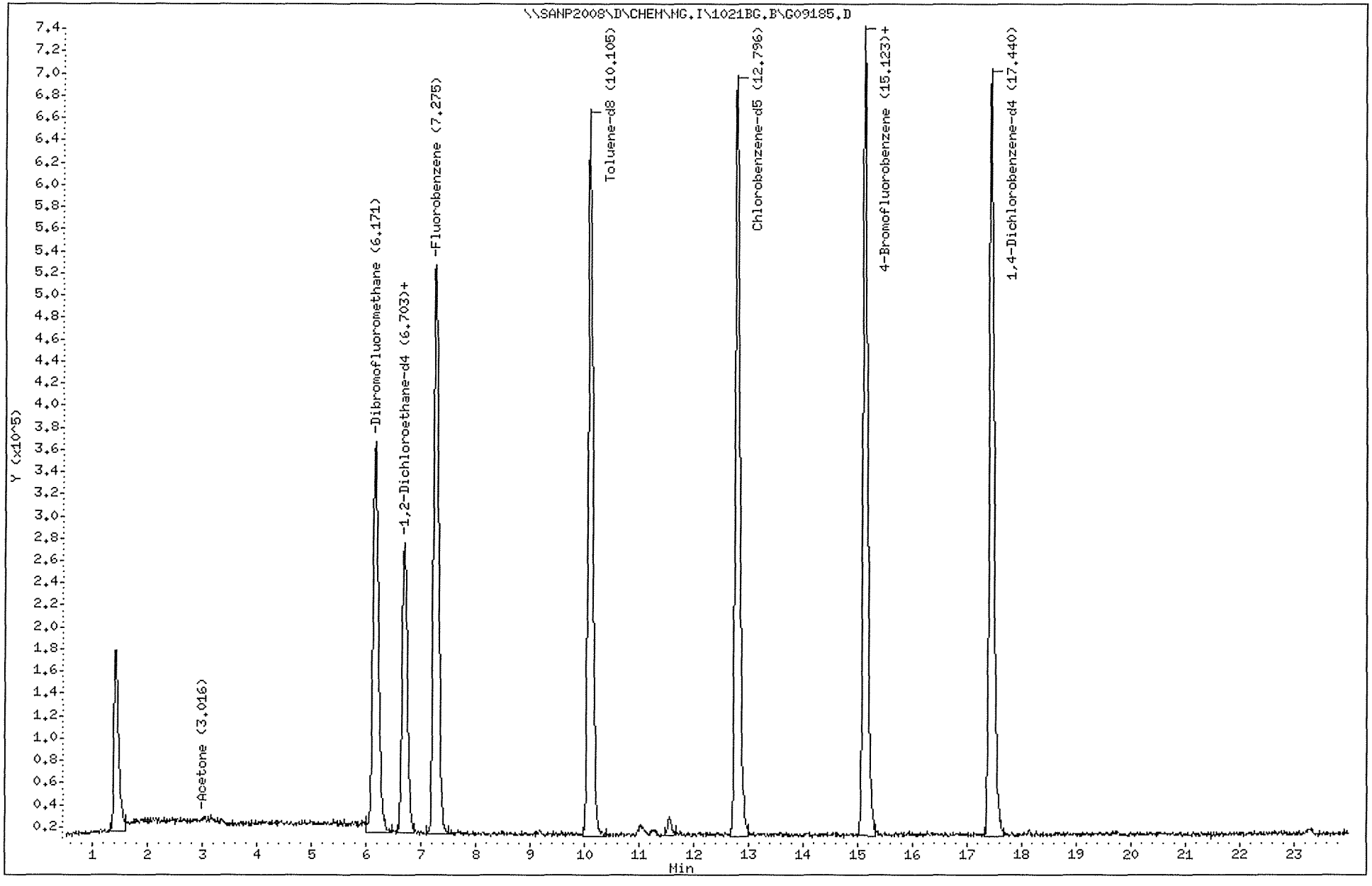
Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09185.D
Date : 22-OCT-2000 10:15
Client ID: G09185
Sample Info: DLW6M101,,2,,0,1,0,8260BGS.M,G09185

Instrument: mg.i

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53




000618

BOE-C6-0167725

Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09185.D

Date : 22-OCT-2000 10:15

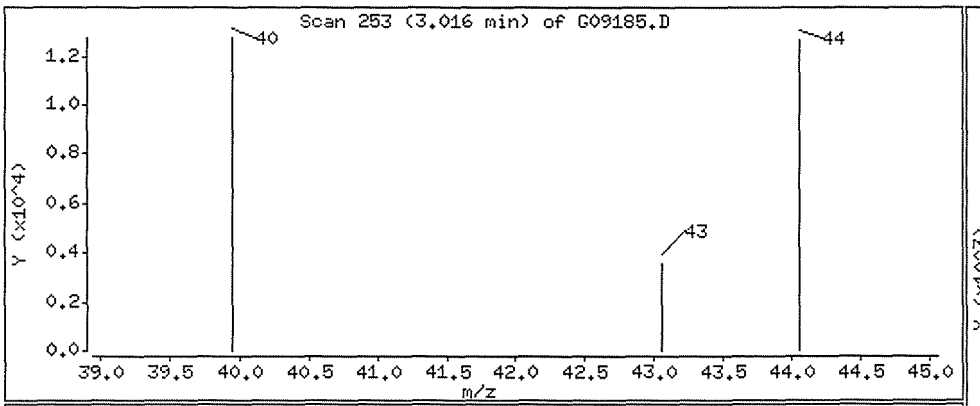
Client ID: G09185 Instrument: mg.i

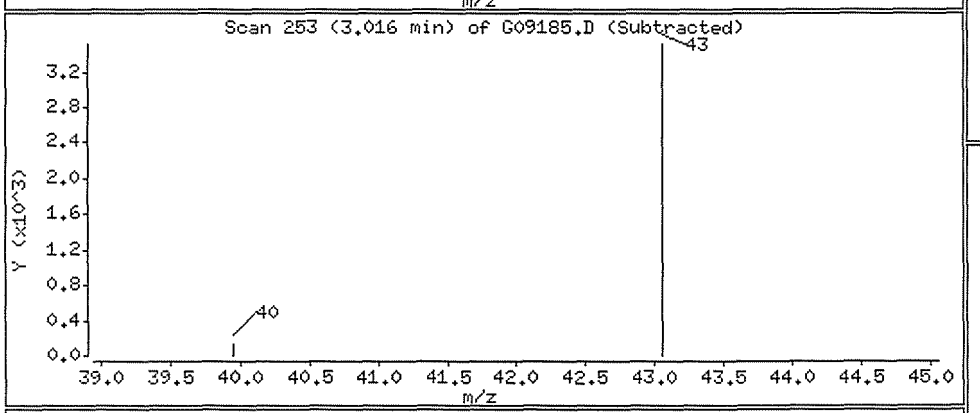
Sample Info: DLW6M101,,2,,0,1,0,8260BGS.M,G09185

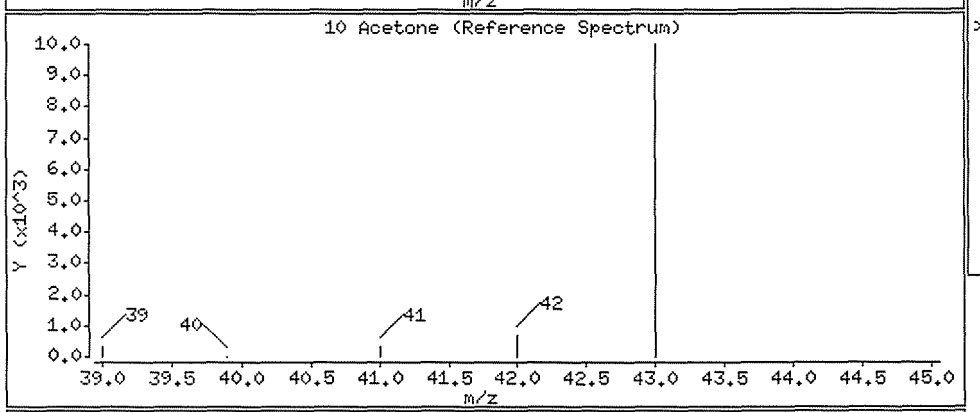
Operator: AD

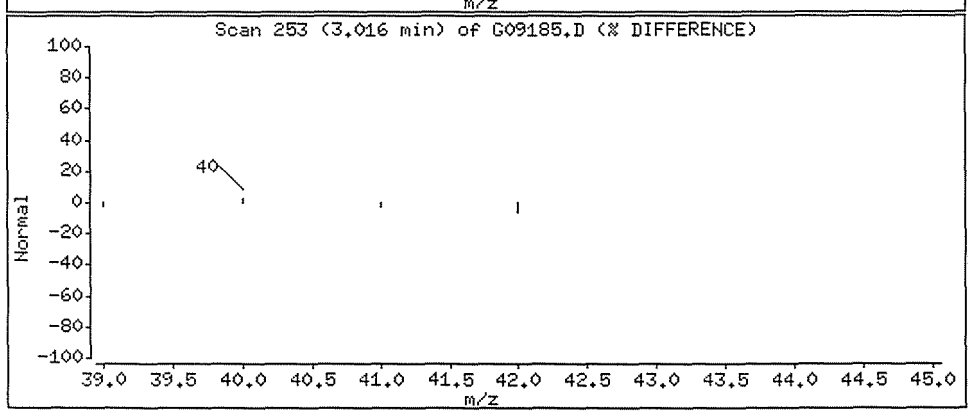
Column phase: J&W DB-624 Column diameter: 0.53

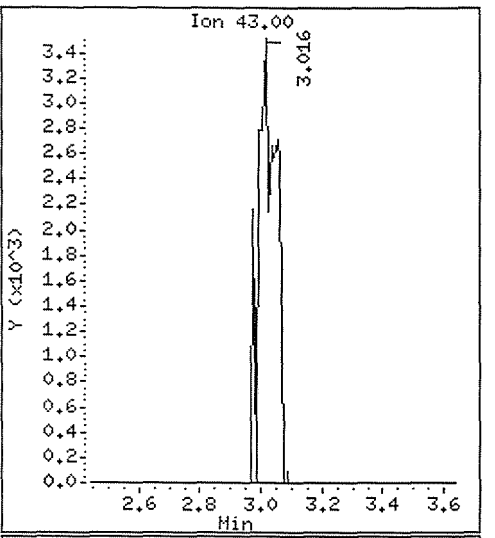
10 Acetone Concentration: 5.56 ug/Kg

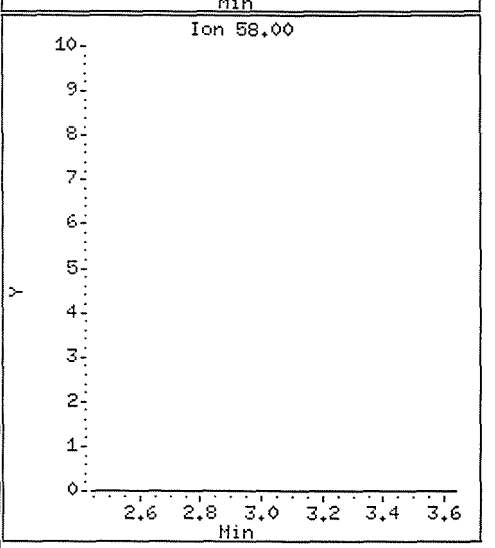


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09185.D



Date : 22-OCT-2000 10:15

Client ID: G09185

Instrument: mg.i

Sample Info: DLW6M101,,2,,0,1,0,8260BGS.M,G09185

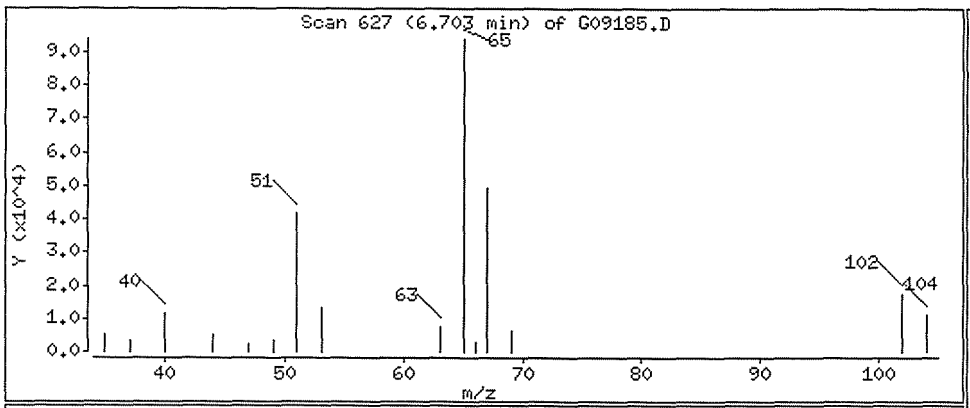
Operator: AD

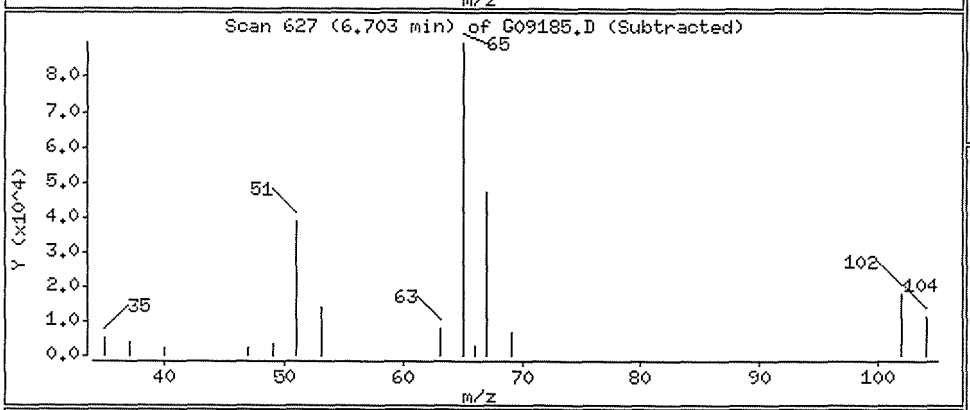
Column phase: J&W DB-624

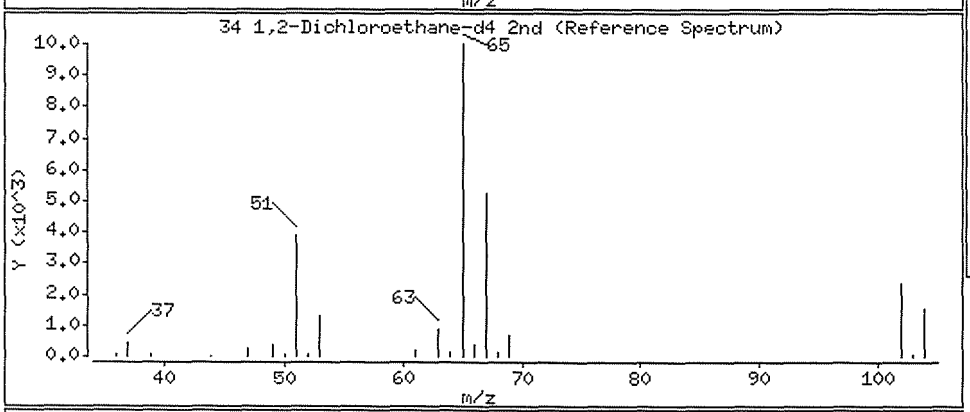
Column diameter: 0.53

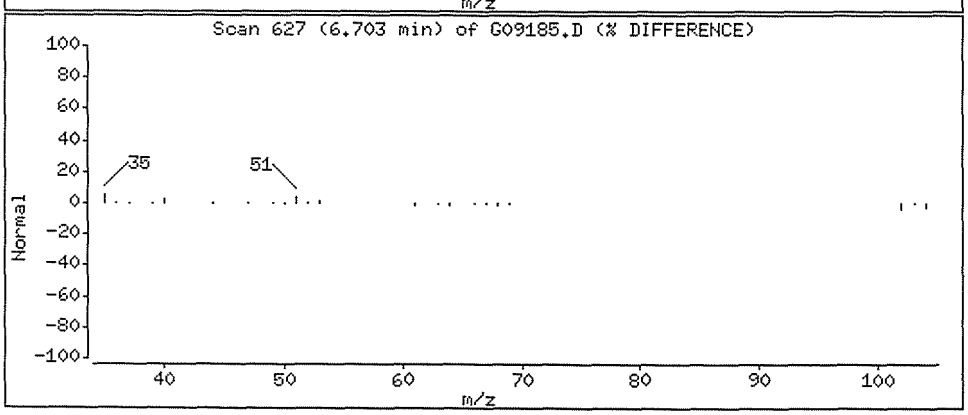
34 1,2-Dichloroethane-d4 2nd

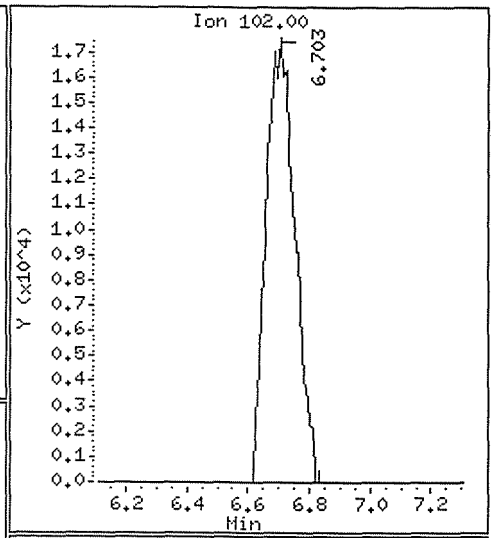
Concentration: 60.42 ug/Kg

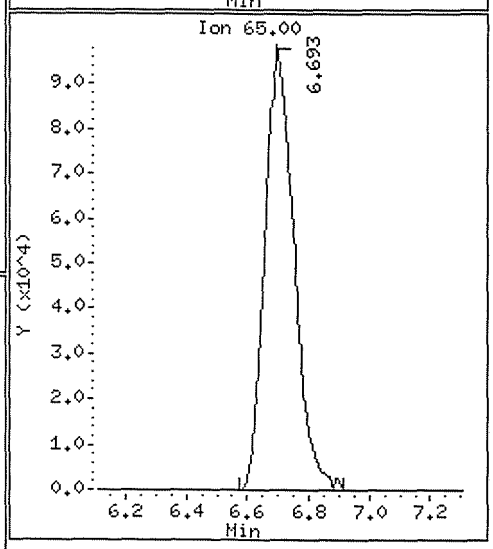


Data File: \\SANP2008\D\CHEM\MG.I\1021BG.B\G09185.D



Date : 22-OCT-2000 10:15

Client ID: G09185

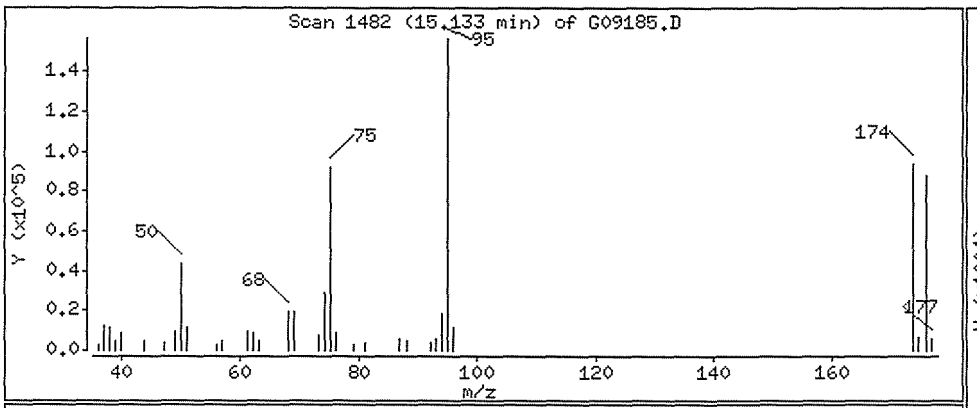
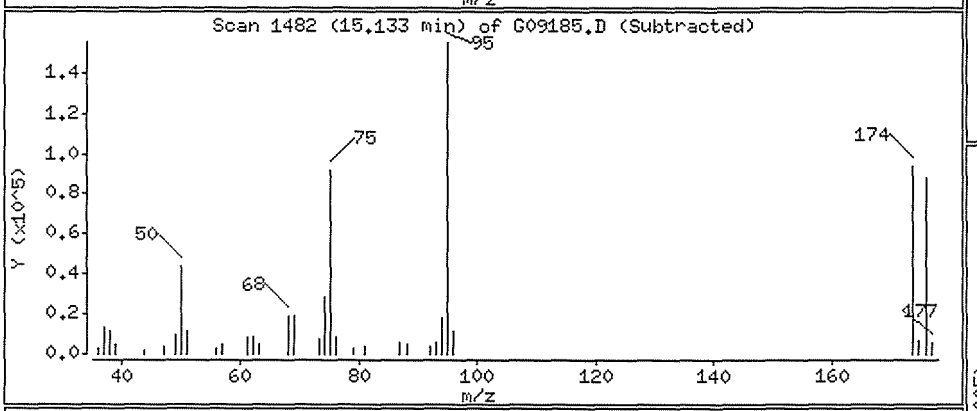
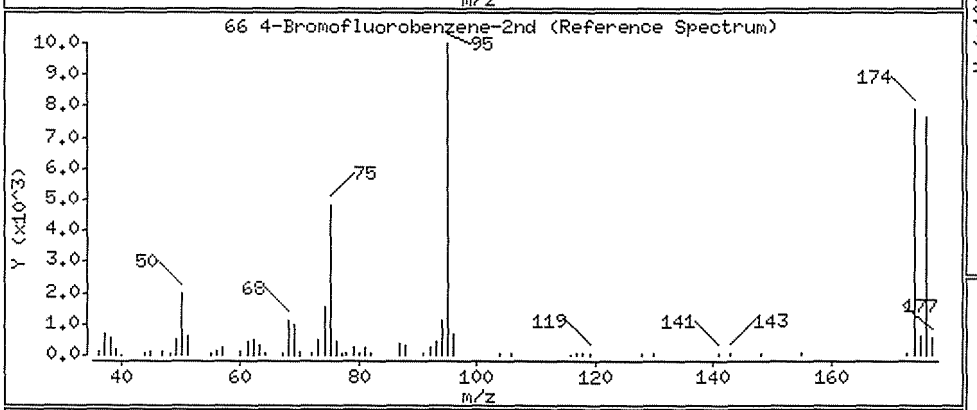
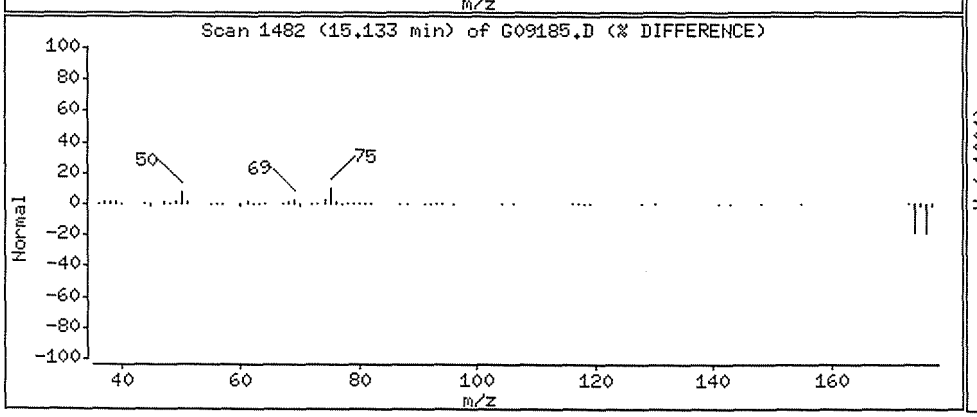
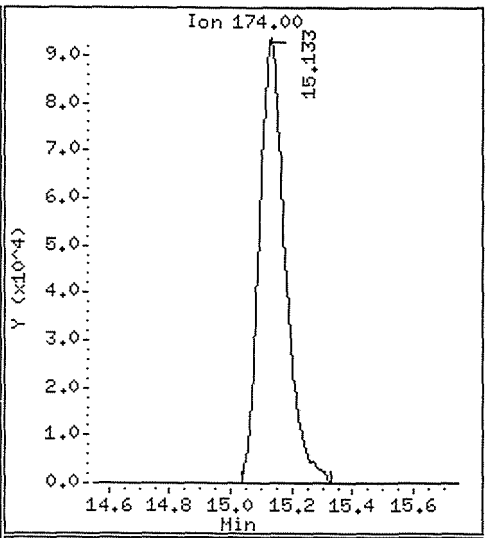
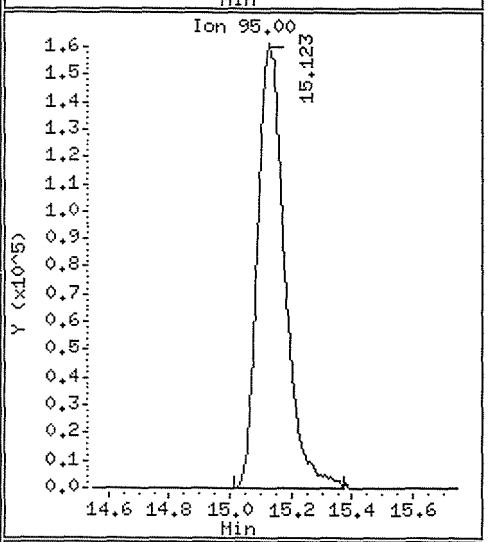
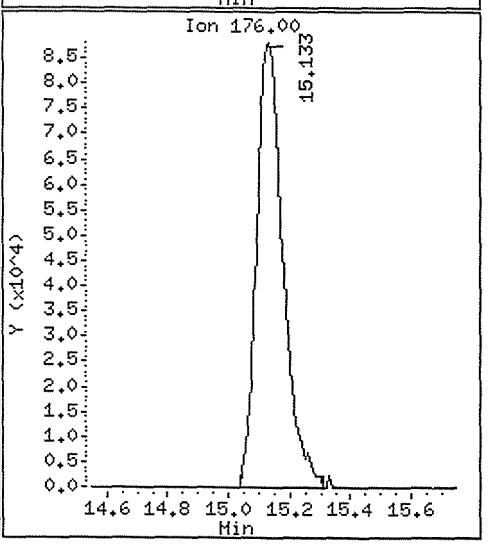
Instrument: mg.i

Sample Info: DLW6M101,,2,,0,1,0,8260BGS.M,G09185

Operator: AD

Column phase: J&W DB-624

Column diameter: 0.53

66 4-Bromofluorobenzene-2nd

Concentration: 50.99 ug/Kg