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

August 8, 2001

STL LOT NUMBER: E1G300192
NELAC Certification Number: 01118CA
PO/CONTRACT: 05160-SEV002-S56

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

Dear Mr. Zachary,

This report contains the analytical results for the seven samples received under chain of custody by STL Los Angeles on July 30, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

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

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

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

Sincerely,

Diane Suzuki
Project Manager
CC: Project File

This report contains 000060 pages.



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

ACCREDITED IN ACCORDANCE WITH nelac

BOE-C6-0093124

[redacted]

# Chain of Custody Record

SEVERN TRENT SERVICES

**Severn Trent Laboratories, Inc.**

STL-4124 (0700)

| | | | |
|---|---|---|---|
| Client: Haley + Aldrich | Project Manager: Scott Zachary | Date: 7-28-01 | Chain of Custody Number: 054021 |
| Address: 9040 Friars Road Suite 220 | Telephone Number (Area Code)/Fax Number: 619-280-9210 | Lab Number: EH300192 | Page 1 of 1 |
| City: San Diego, CA; State: CA; Zip Code: 92108 | Site Contact: Rich Farson | Lab Contact: Diane Suzuki | |
| Project Name and Location (State): Former C-6 Facility, Torrance, CA | Carrier/Waybill Number: | | |
| Contract/Purchase Order/Quote No. | | | |

Analysis (Attach list if more space is needed): 8260B + TICS per Stoke Bedell

Special Instructions/ Conditions of Receipt

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Other | Containers & Preservatives: Unpres. | H2SO4 | HNOS | HCl | NaOH | ZnAc/NaOH | Other | 8260B + TICS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DDS-2-15 / 72.5' | 7-28-01 | 0910 | | X | | | | | | | 3 | | | | X |
| DDS-2-15 / 91.5' | 7-28-01 | 1345 | | X | | | | | | | 3 | | | | X |
| DDS-2-15 / 116' | 7-28-01 | 1450 | | X | | | | | | | 3 | | | | X |
| DDS-2-14 / 69' | 7-28-01 | 1840 | | X | | | | | | | 3 | | | | X |
| DDS-2-14 / 86.5' | 7-29-01 | 0855 | | X | | | | | | | 3 | | | | X |
| DDS-2-14 / 111.5' | 7-29-01 | 1050 | | X | | | | | | | 3 | | | | X |

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

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

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

QC Requirements (Specify):

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By: Matthew Pewitt | 7-29-01 | 1200 | 1. Received By: [signature] | 1630 | 7-30-01 |
| 2. Relinquished By: [signature] | 7-30-01 | 1610 | 2. Received By: | | |
| 3. Relinquished By: [signature] | 7-30-01 | 1745 | 3. Received By: Pacoek | 7/30/01 | 17:45 |

Comments:

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

000002

BOE-C6-0093125

STL LOS ANGELES
PROJECT RECEIPT CHECKLIST

Date: 7/30/01

Quantims Lot #: EIG 300192
Client Name: Haley & Aldrich.
Received by: [illegible]

Quote #: 4229T
Project: BRC C-6
Date/Time Received: 7/30/01 12:45

Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☐DES ☒Other Hikeh.

Initial / Date

Custody Seal Status: ☐Intact ☐Broken ☒None ..... AR 7/30/01
Custody Seal #(s): ☒No Seal # .....
Sample Container(s): ☒STL-LA ☐Client ☐N/A .....
Temperature(s) (COOLER/BLANK) in °C: 5°C (CORRECTED TEMP) 5.2°C
Thermometer Used : ☒IR (Infra-red) ☐Digital (Probe) .....
Samples: ☒Intact ☐Broken ☐Other .....
Anomalies: ☒No ☐Yes (See Clouseau) .....
Labeled by AR .....
Labeling checked by RS .....

Turn Around Time: ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL 5days
Short-Hold Notification: ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A ...
Outside Analysis(es) (Test/Lab/Date Sent Out) : -none.

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

| Fraction | 1→6 | | | | | | | | | | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOAh /* | 3 | | | | | | | | | | N/A |
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k:HCl na:Sodium Hydroxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/l:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA
* Number of VOA's w/ Headspace present

LOGGED BY/DATE: TLS 7/30/01 REVIEWED BY/DATE: [signature] 7/31/01

000003

STL Los Angeles
Condition Upon Receipt Anomaly Report (CUR)

Client: Haley & Aldrich  Date/Time 7/30/01 19:30
Lot No: EIG300192  Initiated by: AR

Affected samples  Chain of Custody #

| Client ID | Lab ID | Analyses Requested |
|---|---|---|
| * TRIP BLANK | #007 | — |
| | | |
| | | |
| | | |
| | | |
| | | |

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) _____
  - ☐ Temperature Blank(s) _____
- 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 * Received but not listed on COC

Corrective Action Implemented:
- ☒ Client Informed: verbally on _____ By: _____ In writing on 7/31/01 By: [signature]
- ☐ Sample(s) processed "as is."
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Sample Control Supervisor Review: _____ Date: _____
Project Management Review: [signature] Date: 7/31/01

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

# EXECUTIVE SUMMARY - Detection Highlights

E1G300192

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **DDS_2_15/72.5 07/28/01 09:10 001** | | | | |
| 1,1-Dichloroethene | 17 | 10 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | 13 | 2.0 | ug/L | SW846 8260B |
| Chloroform | 660 | 10 | ug/L | SW846 8260B |
| Chloroform | 450 E | 2.0 | ug/L | SW846 8260B |
| Trichloroethene | 18 | 10 | ug/L | SW846 8260B |
| Trichloroethene | 13 | 2.0 | ug/L | SW846 8260B |
| **DDS_2_15/91.5 07/28/01 13:45 002** | | | | |
| 1,1-Dichloroethene | 110 | 25 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | 81 | 5.0 | ug/L | SW846 8260B |
| Carbon disulfide | 2.5 J | 5.0 | ug/L | SW846 8260B |
| Chloroform | 100 | 25 | ug/L | SW846 8260B |
| Chloroform | 77 | 5.0 | ug/L | SW846 8260B |
| Trichloroethene | 2000 | 25 | ug/L | SW846 8260B |
| Trichloroethene | 1400 E | 5.0 | ug/L | SW846 8260B |
| Hexachlorobutadiene | 1.8 J | 5.0 | ug/L | SW846 8260B |
| 1,2,3-Trichlorobenzene | 3.0 J | 5.0 | ug/L | SW846 8260B |
| **DDS_2_15/116 07/28/01 14:50 003** | | | | |
| 1,1-Dichloroethene | 83 | 50 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | 74 | 10 | ug/L | SW846 8260B |
| Chloroform | 110 | 50 | ug/L | SW846 8260B |
| Chloroform | 94 | 10 | ug/L | SW846 8260B |
| Trichloroethene | 2800 | 50 | ug/L | SW846 8260B |
| Trichloroethene | 2200 E | 10 | ug/L | SW846 8260B |
| **DDS_2_14/69 07/28/01 18:40 004** | | | | |
| 1,1-Dichloroethene | 140 | 25 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | 120 | 5.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethane | 2.1 J | 5.0 | ug/L | SW846 8260B |
| Chloroform | 2100 | 25 | ug/L | SW846 8260B |
| Chloroform | 1500 E | 5.0 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | 6.1 J | 25 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | 5.0 | 5.0 | ug/L | SW846 8260B |
| Carbon tetrachloride | 2.2 J | 2.5 | ug/L | SW846 8260B |
| Trichloroethene | 2100 | 25 | ug/L | SW846 8260B |
| Trichloroethene | 1500 E | 5.0 | ug/L | SW846 8260B |
| 1,2-Dichloroethane | 2.4 J | 2.5 | ug/L | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1G300192

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **DDS_2_14/86.5 07/29/01 08:55 005** | | | | |
| 1,1-Dichloroethene | 6.9 | 2.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | 6.8 | 1.0 | ug/L | SW846 8260B |
| Carbon disulfide | 1.1 J | 2.0 | ug/L | SW846 8260B |
| Carbon disulfide | 1.1 | 1.0 | ug/L | SW846 8260B |
| Chloroform | 32 | 2.0 | ug/L | SW846 8260B |
| Chloroform | 33 | 1.0 | ug/L | SW846 8260B |
| Trichloroethene | 160 | 2.0 | ug/L | SW846 8260B |
| Trichloroethene | 160 E | 1.0 | ug/L | SW846 8260B |
| **DDS_2_14/111.5 07/29/01 22:50 006** | | | | |
| 1,1-Dichloroethene | 10 J | 25 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | 14 | 5.0 | ug/L | SW846 8260B |
| Carbon disulfide | 3.3 J | 5.0 | ug/L | SW846 8260B |
| Chloroform | 26 | 25 | ug/L | SW846 8260B |
| Chloroform | 24 | 5.0 | ug/L | SW846 8260B |
| Trichloroethene | 2300 | 25 | ug/L | SW846 8260B |
| Trichloroethene | 1900 E | 5.0 | ug/L | SW846 8260B |
| Chlorobenzene | 19 J | 25 | ug/L | SW846 8260B |
| Chlorobenzene | 18 | 5.0 | ug/L | SW846 8260B |

# METHODS SUMMARY

**E1G300192**

| PARAMETER | ANALYTICAL METHOD | PREPARATION METHOD |
|---|---|---|
| Volatile Organics by GC/MS | SW846 8260B | SW846 5030B/826 |

**References:**

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

# SAMPLE SUMMARY

**E1G300192**

| WO # | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|---|---|---|---|---|
| EG6XF | 001 | DDS_2_15/72.5 | 07/28/01 | 09:10 |
| EG6XH | 002 | DDS_2_15/91.5 | 07/28/01 | 13:45 |
| EG6XN | 003 | DDS_2_15/116 | 07/28/01 | 14:50 |
| EG6XP | 004 | DDS_2_14/69 | 07/28/01 | 18:40 |
| EG6XQ | 005 | DDS_2_14/86.5 | 07/29/01 | 08:55 |
| EG6XR | 006 | DDS_2_14/111.5 | 07/29/01 | 22:50 |
| EG6XT | 007 | TRIP BLANK | 07/26/01 | |

**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.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/72.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-001 **Work Order #...:** EG6XF1AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 09:10 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1212284
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 17:01
**Dilution Factor:** 10
**Analyst ID.....:** 015590 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/L | 4.0 |
| Chloromethane | ND | 20 | ug/L | 3.0 |
| Vinyl chloride | ND | 5.0 | ug/L | 3.0 |
| Chloroethane | ND | 20 | ug/L | 3.0 |
| Bromomethane | ND | 20 | ug/L | 10 |
| Trichlorofluoromethane | ND | 20 | ug/L | 3.0 |
| **1,1-Dichloroethene** | **17** | **10** | **ug/L** | **3.0** |
| Methylene chloride | ND | 10 | ug/L | 3.0 |
| Methyl tert-butyl ether | ND | 10 | ug/L | 5.0 |
| Carbon disulfide | ND | 10 | ug/L | 3.0 |
| Acetone | ND | 100 | ug/L | 30 |
| trans-1,2-Dichloroethene | ND | 10 | ug/L | 3.0 |
| 1,1-Dichloroethane | ND | 10 | ug/L | 2.0 |
| 2,2-Dichloropropane | ND | 10 | ug/L | 3.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 3.0 |
| **Chloroform** | **660** | **10** | **ug/L** | **3.0** |
| Bromochloromethane | ND | 10 | ug/L | 3.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 2.0 |
| 2-Butanone | ND | 50 | ug/L | 30 |
| 1,1-Dichloropropene | ND | 10 | ug/L | 3.0 |
| Carbon tetrachloride | ND | 5.0 | ug/L | 3.0 |
| 1,2-Dibromoethane | ND | 10 | ug/L | 3.0 |
| Benzene | ND | 10 | ug/L | 3.0 |
| **Trichloroethene** | **18** | **10** | **ug/L** | **3.0** |
| Bromodichloromethane | ND | 10 | ug/L | 3.0 |
| 4-Methyl-2-pentanone | ND | 50 | ug/L | 30 |
| Toluene | ND | 10 | ug/L | 3.0 |
| 1,1,2-Trichloroethane | ND | 10 | ug/L | 3.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/L | 4.0 |
| Tetrachloroethene | ND | 10 | ug/L | 3.0 |
| 2-Hexanone | ND | 50 | ug/L | 30 |
| Dibromochloromethane | ND | 10 | ug/L | 4.0 |
| Chlorobenzene | ND | 10 | ug/L | 3.0 |
| 1,1,1,2-Tetrachloroethane | ND | 10 | ug/L | 3.0 |
| Ethylbenzene | ND | 10 | ug/L | 2.0 |
| Xylenes (total) | ND | 10 | ug/L | 8.0 |
| Styrene | ND | 10 | ug/L | 3.0 |

(Continued on next page)

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/72.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-001 **Work Order #...:** EG6XF1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 10 | ug/L | 3.0 |
| Isopropylbenzene | ND | 10 | ug/L | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L | 4.0 |
| 1,2,3-Trichloropropane | ND | 10 | ug/L | 4.0 |
| n-Propylbenzene | ND | 10 | ug/L | 4.0 |
| Bromobenzene | ND | 10 | ug/L | 3.0 |
| 1,3,5-Trimethylbenzene | ND | 10 | ug/L | 2.0 |
| 2-Chlorotoluene | ND | 10 | ug/L | 3.0 |
| 4-Chlorotoluene | ND | 10 | ug/L | 3.0 |
| tert-Butylbenzene | ND | 10 | ug/L | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 10 | ug/L | 3.0 |
| sec-Butylbenzene | ND | 10 | ug/L | 3.0 |
| p-Isopropyltoluene | ND | 10 | ug/L | 3.0 |
| 1,3-Dichlorobenzene | ND | 10 | ug/L | 3.0 |
| 1,4-Dichlorobenzene | ND | 10 | ug/L | 3.0 |
| n-Butylbenzene | ND | 10 | ug/L | 3.0 |
| 1,2-Dichlorobenzene | ND | 10 | ug/L | 3.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 20 | ug/L | 7.0 |
| 1,2,4-Trichloro-benzene | ND | 10 | ug/L | 3.0 |
| Hexachlorobutadiene | ND | 10 | ug/L | 3.0 |
| 1,2,3-Trichlorobenzene | ND | 10 | ug/L | 4.0 |
| Acrolein | ND | 200 | ug/L | 120 |
| Tert-amyl methyl ether | ND | 20 | ug/L | 5.0 |
| Acrylonitrile | ND | 200 | ug/L | 100 |
| Tert-butyl ethyl ether | ND | 20 | ug/L | 5.0 |
| t-Butanol | ND | 250 | ug/L | 60 |
| Iodomethane | ND | 20 | ug/L | 10 |
| Isopropyl ether | ND | 20 | ug/L | 5.0 |
| 2-Chloroethyl vinyl ether | ND | 50 | ug/L | 20 |
| Tetrahydrofuran | ND | 100 | ug/L | 20 |
| Vinyl acetate | ND | 50 | ug/L | 20 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 107 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 125 | (65 - 130) |
| Toluene-d8 | 106 | (80 - 130) |

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/72.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-001 **Work Order #...:** EG6XF2AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 09:10 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 05:42
**Dilution Factor:** 2
**Analyst ID.....:** 004648 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ug/L | 0.80 |
| Chloromethane | ND | 4.0 | ug/L | 0.60 |
| Vinyl chloride | ND | 1.0 | ug/L | 0.60 |
| Chloroethane | ND | 4.0 | ug/L | 0.60 |
| Bromomethane | ND | 4.0 | ug/L | 2.0 |
| Trichlorofluoromethane | ND | 4.0 | ug/L | 0.60 |
| **1,1-Dichloroethene** | **13** | **2.0** | **ug/L** | **0.60** |
| Methylene chloride | ND | 2.0 | ug/L | 0.60 |
| Methyl tert-butyl ether | ND | 2.0 | ug/L | 1.0 |
| Carbon disulfide | ND | 2.0 | ug/L | 0.60 |
| Acetone | ND | 20 | ug/L | 6.0 |
| trans-1,2-Dichloroethene | ND | 2.0 | ug/L | 0.60 |
| 1,1-Dichloroethane | ND | 2.0 | ug/L | 0.40 |
| 2,2-Dichloropropane | ND | 2.0 | ug/L | 0.60 |
| cis-1,2-Dichloroethene | ND | 2.0 | ug/L | 0.60 |
| **Chloroform** | **450 E** | **2.0** | **ug/L** | **0.60** |
| Bromochloromethane | ND | 2.0 | ug/L | 0.60 |
| 1,1,1-Trichloroethane | ND | 2.0 | ug/L | 0.40 |
| 2-Butanone | ND | 10 | ug/L | 6.0 |
| 1,1-Dichloropropene | ND | 2.0 | ug/L | 0.60 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 0.60 |
| 1,2-Dibromoethane | ND | 2.0 | ug/L | 0.60 |
| Benzene | ND | 2.0 | ug/L | 0.60 |
| **Trichloroethene** | **13** | **2.0** | **ug/L** | **0.60** |
| Bromodichloromethane | ND | 2.0 | ug/L | 0.60 |
| 4-Methyl-2-pentanone | ND | 10 | ug/L | 6.0 |
| Toluene | ND | 2.0 | ug/L | 0.60 |
| 1,1,2-Trichloroethane | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 0.80 |
| Tetrachloroethene | ND | 2.0 | ug/L | 0.60 |
| 2-Hexanone | ND | 10 | ug/L | 6.0 |
| Dibromochloromethane | ND | 2.0 | ug/L | 0.80 |
| Chlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | ug/L | 0.60 |
| Ethylbenzene | ND | 2.0 | ug/L | 0.40 |
| Xylenes (total) | ND | 2.0 | ug/L | 1.6 |
| Styrene | ND | 2.0 | ug/L | 0.60 |

(Continued on next page)

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/72.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-001 **Work Order #...:** EG6XF2AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 2.0 | ug/L | 0.60 |
| Isopropylbenzene | ND | 2.0 | ug/L | 0.60 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ug/L | 0.80 |
| 1,2,3-Trichloropropane | ND | 2.0 | ug/L | 0.80 |
| n-Propylbenzene | ND | 2.0 | ug/L | 0.80 |
| Bromobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ug/L | 0.40 |
| 2-Chlorotoluene | ND | 2.0 | ug/L | 0.60 |
| 4-Chlorotoluene | ND | 2.0 | ug/L | 0.60 |
| tert-Butylbenzene | ND | 2.0 | ug/L | 0.40 |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ug/L | 0.60 |
| sec-Butylbenzene | ND | 2.0 | ug/L | 0.60 |
| p-Isopropyltoluene | ND | 2.0 | ug/L | 0.60 |
| 1,3-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,4-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| n-Butylbenzene | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dibromo-3-chloro-propane | ND | 4.0 | ug/L | 1.4 |
| 1,2,4-Trichloro-benzene | ND | 2.0 | ug/L | 0.60 |
| Hexachlorobutadiene | ND | 2.0 | ug/L | 0.60 |
| 1,2,3-Trichlorobenzene | ND | 2.0 | ug/L | 0.80 |
| Acrolein | ND | 40 | ug/L | 24 |
| Tert-amyl methyl ether | ND | 4.0 | ug/L | 1.0 |
| Acrylonitrile | ND | 40 | ug/L | 20 |
| Tert-butyl ethyl ether | ND | 4.0 | ug/L | 1.0 |
| t-Butanol | ND | 50 | ug/L | 12 |
| Iodomethane | ND | 4.0 | ug/L | 2.0 |
| Isopropyl ether | ND | 4.0 | ug/L | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/L | 4.0 |
| Tetrahydrofuran | ND | 20 | ug/L | 4.0 |
| Vinyl acetate | ND | 10 | ug/L | 4.0 |

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

**NOTE(S):**

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/91.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-002 **Work Order #...:** EG6XH1AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 13:45 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1212284
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 17:31
**Dilution Factor:** 25
**Analyst ID.....:** 015590 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 25 | ug/L | 10 |
| Chloromethane | ND | 50 | ug/L | 7.5 |
| Vinyl chloride | ND | 12 | ug/L | 7.5 |
| Chloroethane | ND | 50 | ug/L | 7.5 |
| Bromomethane | ND | 50 | ug/L | 25 |
| Trichlorofluoromethane | ND | 50 | ug/L | 7.5 |
| **1,1-Dichloroethene** | **110** | **25** | **ug/L** | **7.5** |
| Methylene chloride | ND | 25 | ug/L | 7.5 |
| Methyl tert-butyl ether | ND | 25 | ug/L | 12 |
| Carbon disulfide | ND | 25 | ug/L | 7.5 |
| Acetone | ND | 250 | ug/L | 75 |
| trans-1,2-Dichloroethene | ND | 25 | ug/L | 7.5 |
| 1,1-Dichloroethane | ND | 25 | ug/L | 5.0 |
| 2,2-Dichloropropane | ND | 25 | ug/L | 7.5 |
| cis-1,2-Dichloroethene | ND | 25 | ug/L | 7.5 |
| **Chloroform** | **100** | **25** | **ug/L** | **7.5** |
| Bromochloromethane | ND | 25 | ug/L | 7.5 |
| 1,1,1-Trichloroethane | ND | 25 | ug/L | 5.0 |
| 2-Butanone | ND | 120 | ug/L | 75 |
| 1,1-Dichloropropene | ND | 25 | ug/L | 7.5 |
| Carbon tetrachloride | ND | 12 | ug/L | 7.5 |
| 1,2-Dibromoethane | ND | 25 | ug/L | 7.5 |
| Benzene | ND | 25 | ug/L | 7.5 |
| **Trichloroethene** | **2000** | **25** | **ug/L** | **7.5** |
| Bromodichloromethane | ND | 25 | ug/L | 7.5 |
| 4-Methyl-2-pentanone | ND | 120 | ug/L | 75 |
| Toluene | ND | 25 | ug/L | 7.5 |
| 1,1,2-Trichloroethane | ND | 25 | ug/L | 7.5 |
| 1,2-Dichloroethane | ND | 12 | ug/L | 10 |
| Tetrachloroethene | ND | 25 | ug/L | 7.5 |
| 2-Hexanone | ND | 120 | ug/L | 75 |
| Dibromochloromethane | ND | 25 | ug/L | 10 |
| Chlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,1,1,2-Tetrachloroethane | ND | 25 | ug/L | 7.5 |
| Ethylbenzene | ND | 25 | ug/L | 5.0 |
| Xylenes (total) | ND | 25 | ug/L | 20 |
| Styrene | ND | 25 | ug/L | 7.5 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/91.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-002 **Work Order #...:** EG6XH1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 25 | ug/L | 7.5 |
| Isopropylbenzene | ND | 25 | ug/L | 7.5 |
| 1,1,2,2-Tetrachloroethane | ND | 25 | ug/L | 10 |
| 1,2,3-Trichloropropane | ND | 25 | ug/L | 10 |
| n-Propylbenzene | ND | 25 | ug/L | 10 |
| Bromobenzene | ND | 25 | ug/L | 7.5 |
| 1,3,5-Trimethylbenzene | ND | 25 | ug/L | 5.0 |
| 2-Chlorotoluene | ND | 25 | ug/L | 7.5 |
| 4-Chlorotoluene | ND | 25 | ug/L | 7.5 |
| tert-Butylbenzene | ND | 25 | ug/L | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 25 | ug/L | 7.5 |
| sec-Butylbenzene | ND | 25 | ug/L | 7.5 |
| p-Isopropyltoluene | ND | 25 | ug/L | 7.5 |
| 1,3-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,4-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| n-Butylbenzene | ND | 25 | ug/L | 7.5 |
| 1,2-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,2-Dibromo-3-chloro-propane | ND | 50 | ug/L | 18 |
| 1,2,4-Trichloro-benzene | ND | 25 | ug/L | 7.5 |
| Hexachlorobutadiene | ND | 25 | ug/L | 7.5 |
| 1,2,3-Trichlorobenzene | ND | 25 | ug/L | 10 |
| Acrolein | ND | 500 | ug/L | 300 |
| Tert-amyl methyl ether | ND | 50 | ug/L | 12 |
| Acrylonitrile | ND | 500 | ug/L | 250 |
| Tert-butyl ethyl ether | ND | 50 | ug/L | 12 |
| t-Butanol | ND | 620 | ug/L | 150 |
| Iodomethane | ND | 50 | ug/L | 25 |
| Isopropyl ether | ND | 50 | ug/L | 12 |
| 2-Chloroethyl vinyl ether | ND | 120 | ug/L | 50 |
| Tetrahydrofuran | ND | 250 | ug/L | 50 |
| Vinyl acetate | ND | 120 | ug/L | 50 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 112 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 127 | (65 - 130) |
| Toluene-d8 | 112 | (80 - 130) |

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/91.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-002 **Work Order #...:** EG6XH2AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 13:45 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213272
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213534 **Analysis Time..:** 16:14
**Dilution Factor:** 5
**Analyst ID.....:** 015590 **Instrument ID..:** MSH
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 5.0 | ug/L | 2.0 |
| Chloromethane | ND | 10 | ug/L | 1.5 |
| Vinyl chloride | ND | 2.5 | ug/L | 1.5 |
| Chloroethane | ND | 10 | ug/L | 1.5 |
| Bromomethane | ND | 10 | ug/L | 5.0 |
| Trichlorofluoromethane | ND | 10 | ug/L | 1.5 |
| **1,1-Dichloroethene** | **81** | **5.0** | **ug/L** | **1.5** |
| Methylene chloride | ND | 5.0 | ug/L | 1.5 |
| Methyl tert-butyl ether | ND | 5.0 | ug/L | 2.5 |
| **Carbon disulfide** | **2.5 J** | **5.0** | **ug/L** | **1.5** |
| Acetone | ND | 50 | ug/L | 15 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/L | 1.5 |
| 1,1-Dichloroethane | ND | 5.0 | ug/L | 1.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/L | 1.5 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/L | 1.5 |
| **Chloroform** | **77** | **5.0** | **ug/L** | **1.5** |
| Bromochloromethane | ND | 5.0 | ug/L | 1.5 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/L | 1.0 |
| 2-Butanone | ND | 25 | ug/L | 15 |
| 1,1-Dichloropropene | ND | 5.0 | ug/L | 1.5 |
| Carbon tetrachloride | ND | 2.5 | ug/L | 1.5 |
| 1,2-Dibromoethane | ND | 5.0 | ug/L | 1.5 |
| Benzene | ND | 5.0 | ug/L | 1.5 |
| **Trichloroethene** | **1400 E** | **5.0** | **ug/L** | **1.5** |
| Bromodichloromethane | ND | 5.0 | ug/L | 1.5 |
| 4-Methyl-2-pentanone | ND | 25 | ug/L | 15 |
| Toluene | ND | 5.0 | ug/L | 1.5 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dichloroethane | ND | 2.5 | ug/L | 2.0 |
| Tetrachloroethene | ND | 5.0 | ug/L | 1.5 |
| 2-Hexanone | ND | 25 | ug/L | 15 |
| Dibromochloromethane | ND | 5.0 | ug/L | 2.0 |
| Chlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/L | 1.5 |
| Ethylbenzene | ND | 5.0 | ug/L | 1.0 |
| Xylenes (total) | ND | 5.0 | ug/L | 4.0 |
| Styrene | ND | 5.0 | ug/L | 1.5 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/91.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-002 **Work Order #...:** EG6XH2AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 5.0 | ug/L | 1.5 |
| Isopropylbenzene | ND | 5.0 | ug/L | 1.5 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/L | 2.0 |
| n-Propylbenzene | ND | 5.0 | ug/L | 2.0 |
| Bromobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/L | 1.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/L | 1.5 |
| 4-Chlorotoluene | ND | 5.0 | ug/L | 1.5 |
| tert-Butylbenzene | ND | 5.0 | ug/L | 1.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/L | 1.5 |
| sec-Butylbenzene | ND | 5.0 | ug/L | 1.5 |
| p-Isopropyltoluene | ND | 5.0 | ug/L | 1.5 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| n-Butylbenzene | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/L | 3.5 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/L | 1.5 |
| **Hexachlorobutadiene** | **1.8 J** | **5.0** | **ug/L** | **1.5** |
| **1,2,3-Trichlorobenzene** | **3.0 J** | **5.0** | **ug/L** | **2.0** |
| Acrolein | ND | 100 | ug/L | 60 |
| Tert-amyl methyl ether | ND | 10 | ug/L | 2.5 |
| Acrylonitrile | ND | 100 | ug/L | 50 |
| Tert-butyl ethyl ether | ND | 10 | ug/L | 2.5 |
| t-Butanol | ND | 120 | ug/L | 30 |
| Iodomethane | ND | 10 | ug/L | 5.0 |
| Isopropyl ether | ND | 10 | ug/L | 2.5 |
| 2-Chloroethyl vinyl ether | ND | 25 | ug/L | 10 |
| Tetrahydrofuran | ND | 50 | ug/L | 10 |
| Vinyl acetate | ND | 25 | ug/L | 10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 96 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 93 | (65 - 130) |
| Toluene-d8 | 96 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/116

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-003 **Work Order #...:** EG6XN1AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 14:50 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1212284
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 18:01
**Dilution Factor:** 50
**Analyst ID.....:** 015590 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 50 | ug/L | 20 |
| Chloromethane | ND | 100 | ug/L | 15 |
| Vinyl chloride | ND | 25 | ug/L | 15 |
| Chloroethane | ND | 100 | ug/L | 15 |
| Bromomethane | ND | 100 | ug/L | 50 |
| Trichlorofluoromethane | ND | 100 | ug/L | 15 |
| **1,1-Dichloroethene** | **83** | **50** | **ug/L** | **15** |
| Methylene chloride | ND | 50 | ug/L | 15 |
| Methyl tert-butyl ether | ND | 50 | ug/L | 25 |
| Carbon disulfide | ND | 50 | ug/L | 15 |
| Acetone | ND | 500 | ug/L | 150 |
| trans-1,2-Dichloroethene | ND | 50 | ug/L | 15 |
| 1,1-Dichloroethane | ND | 50 | ug/L | 10 |
| 2,2-Dichloropropane | ND | 50 | ug/L | 15 |
| cis-1,2-Dichloroethene | ND | 50 | ug/L | 15 |
| **Chloroform** | **110** | **50** | **ug/L** | **15** |
| Bromochloromethane | ND | 50 | ug/L | 15 |
| 1,1,1-Trichloroethane | ND | 50 | ug/L | 10 |
| 2-Butanone | ND | 250 | ug/L | 150 |
| 1,1-Dichloropropene | ND | 50 | ug/L | 15 |
| Carbon tetrachloride | ND | 25 | ug/L | 15 |
| 1,2-Dibromoethane | ND | 50 | ug/L | 15 |
| Benzene | ND | 50 | ug/L | 15 |
| **Trichloroethene** | **2800** | **50** | **ug/L** | **15** |
| Bromodichloromethane | ND | 50 | ug/L | 15 |
| 4-Methyl-2-pentanone | ND | 250 | ug/L | 150 |
| Toluene | ND | 50 | ug/L | 15 |
| 1,1,2-Trichloroethane | ND | 50 | ug/L | 15 |
| 1,2-Dichloroethane | ND | 25 | ug/L | 20 |
| Tetrachloroethene | ND | 50 | ug/L | 15 |
| 2-Hexanone | ND | 250 | ug/L | 150 |
| Dibromochloromethane | ND | 50 | ug/L | 20 |
| Chlorobenzene | ND | 50 | ug/L | 15 |
| 1,1,1,2-Tetrachloroethane | ND | 50 | ug/L | 15 |
| Ethylbenzene | ND | 50 | ug/L | 10 |
| Xylenes (total) | ND | 50 | ug/L | 40 |
| Styrene | ND | 50 | ug/L | 15 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/116

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-003 **Work Order #...:** EG6XN1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 50 | ug/L | 15 |
| Isopropylbenzene | ND | 50 | ug/L | 15 |
| 1,1,2,2-Tetrachloroethane | ND | 50 | ug/L | 20 |
| 1,2,3-Trichloropropane | ND | 50 | ug/L | 20 |
| n-Propylbenzene | ND | 50 | ug/L | 20 |
| Bromobenzene | ND | 50 | ug/L | 15 |
| 1,3,5-Trimethylbenzene | ND | 50 | ug/L | 10 |
| 2-Chlorotoluene | ND | 50 | ug/L | 15 |
| 4-Chlorotoluene | ND | 50 | ug/L | 15 |
| tert-Butylbenzene | ND | 50 | ug/L | 10 |
| 1,2,4-Trimethylbenzene | ND | 50 | ug/L | 15 |
| sec-Butylbenzene | ND | 50 | ug/L | 15 |
| p-Isopropyltoluene | ND | 50 | ug/L | 15 |
| 1,3-Dichlorobenzene | ND | 50 | ug/L | 15 |
| 1,4-Dichlorobenzene | ND | 50 | ug/L | 15 |
| n-Butylbenzene | ND | 50 | ug/L | 15 |
| 1,2-Dichlorobenzene | ND | 50 | ug/L | 15 |
| 1,2-Dibromo-3-chloro-propane | ND | 100 | ug/L | 35 |
| 1,2,4-Trichloro-benzene | ND | 50 | ug/L | 15 |
| Hexachlorobutadiene | ND | 50 | ug/L | 15 |
| 1,2,3-Trichlorobenzene | ND | 50 | ug/L | 20 |
| Acrolein | ND | 1000 | ug/L | 600 |
| Tert-amyl methyl ether | ND | 100 | ug/L | 25 |
| Acrylonitrile | ND | 1000 | ug/L | 500 |
| Tert-butyl ethyl ether | ND | 100 | ug/L | 25 |
| t-Butanol | ND | 1200 | ug/L | 300 |
| Iodomethane | ND | 100 | ug/L | 50 |
| Isopropyl ether | ND | 100 | ug/L | 25 |
| 2-Chloroethyl vinyl ether | ND | 250 | ug/L | 100 |
| Tetrahydrofuran | ND | 500 | ug/L | 100 |
| Vinyl acetate | ND | 250 | ug/L | 100 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 98 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 111 | (65 - 130) |
| Toluene-d8 | 101 | (80 - 130) |

HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/116

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-003 **Work Order #...:** EG6XN2AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 14:50 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 06:41
**Dilution Factor:** 10
**Analyst ID.....:** 004648 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/L | 4.0 |
| Chloromethane | ND | 20 | ug/L | 3.0 |
| Vinyl chloride | ND | 5.0 | ug/L | 3.0 |
| Chloroethane | ND | 20 | ug/L | 3.0 |
| Bromomethane | ND | 20 | ug/L | 10 |
| Trichlorofluoromethane | ND | 20 | ug/L | 3.0 |
| **1,1-Dichloroethene** | **74** | **10** | **ug/L** | **3.0** |
| Methylene chloride | ND | 10 | ug/L | 3.0 |
| Methyl tert-butyl ether | ND | 10 | ug/L | 5.0 |
| Carbon disulfide | ND | 10 | ug/L | 3.0 |
| Acetone | ND | 100 | ug/L | 30 |
| trans-1,2-Dichloroethene | ND | 10 | ug/L | 3.0 |
| 1,1-Dichloroethane | ND | 10 | ug/L | 2.0 |
| 2,2-Dichloropropane | ND | 10 | ug/L | 3.0 |
| cis-1,2-Dichloroethene | ND | 10 | ug/L | 3.0 |
| **Chloroform** | **94** | **10** | **ug/L** | **3.0** |
| Bromochloromethane | ND | 10 | ug/L | 3.0 |
| 1,1,1-Trichloroethane | ND | 10 | ug/L | 2.0 |
| 2-Butanone | ND | 50 | ug/L | 30 |
| 1,1-Dichloropropene | ND | 10 | ug/L | 3.0 |
| Carbon tetrachloride | ND | 5.0 | ug/L | 3.0 |
| 1,2-Dibromoethane | ND | 10 | ug/L | 3.0 |
| Benzene | ND | 10 | ug/L | 3.0 |
| **Trichloroethene** | **2200 E** | **10** | **ug/L** | **3.0** |
| Bromodichloromethane | ND | 10 | ug/L | 3.0 |
| 4-Methyl-2-pentanone | ND | 50 | ug/L | 30 |
| Toluene | ND | 10 | ug/L | 3.0 |
| 1,1,2-Trichloroethane | ND | 10 | ug/L | 3.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/L | 4.0 |
| Tetrachloroethene | ND | 10 | ug/L | 3.0 |
| 2-Hexanone | ND | 50 | ug/L | 30 |
| Dibromochloromethane | ND | 10 | ug/L | 4.0 |
| Chlorobenzene | ND | 10 | ug/L | 3.0 |
| 1,1,1,2-Tetrachloroethane | ND | 10 | ug/L | 3.0 |
| Ethylbenzene | ND | 10 | ug/L | 2.0 |
| Xylenes (total) | ND | 10 | ug/L | 8.0 |
| Styrene | ND | 10 | ug/L | 3.0 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_15/116

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-003 **Work Order #...:** EG6XN2AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 10 | ug/L | 3.0 |
| Isopropylbenzene | ND | 10 | ug/L | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L | 4.0 |
| 1,2,3-Trichloropropane | ND | 10 | ug/L | 4.0 |
| n-Propylbenzene | ND | 10 | ug/L | 4.0 |
| Bromobenzene | ND | 10 | ug/L | 3.0 |
| 1,3,5-Trimethylbenzene | ND | 10 | ug/L | 2.0 |
| 2-Chlorotoluene | ND | 10 | ug/L | 3.0 |
| 4-Chlorotoluene | ND | 10 | ug/L | 3.0 |
| tert-Butylbenzene | ND | 10 | ug/L | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 10 | ug/L | 3.0 |
| sec-Butylbenzene | ND | 10 | ug/L | 3.0 |
| p-Isopropyltoluene | ND | 10 | ug/L | 3.0 |
| 1,3-Dichlorobenzene | ND | 10 | ug/L | 3.0 |
| 1,4-Dichlorobenzene | ND | 10 | ug/L | 3.0 |
| n-Butylbenzene | ND | 10 | ug/L | 3.0 |
| 1,2-Dichlorobenzene | ND | 10 | ug/L | 3.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 20 | ug/L | 7.0 |
| 1,2,4-Trichloro-benzene | ND | 10 | ug/L | 3.0 |
| Hexachlorobutadiene | ND | 10 | ug/L | 3.0 |
| 1,2,3-Trichlorobenzene | ND | 10 | ug/L | 4.0 |
| Acrolein | ND | 200 | ug/L | 120 |
| Tert-amyl methyl ether | ND | 20 | ug/L | 5.0 |
| Acrylonitrile | ND | 200 | ug/L | 100 |
| Tert-butyl ethyl ether | ND | 20 | ug/L | 5.0 |
| t-Butanol | ND | 250 | ug/L | 60 |
| Iodomethane | ND | 20 | ug/L | 10 |
| Isopropyl ether | ND | 20 | ug/L | 5.0 |
| 2-Chloroethyl vinyl ether | ND | 50 | ug/L | 20 |
| Tetrahydrofuran | ND | 100 | ug/L | 20 |
| Vinyl acetate | ND | 50 | ug/L | 20 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 101 | (65 - 130) |
| Toluene-d8 | 102 | (80 - 130) |

**NOTE(S):**

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/69

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-004 **Work Order #...:** EG6XP1AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 18:40 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1212284
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 18:31
**Dilution Factor:** 25
**Analyst ID.....:** 015590 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 25 | ug/L | 10 |
| Chloromethane | ND | 50 | ug/L | 7.5 |
| Vinyl chloride | ND | 12 | ug/L | 7.5 |
| Chloroethane | ND | 50 | ug/L | 7.5 |
| Bromomethane | ND | 50 | ug/L | 25 |
| Trichlorofluoromethane | ND | 50 | ug/L | 7.5 |
| **1,1-Dichloroethene** | **140** | **25** | **ug/L** | **7.5** |
| Methylene chloride | ND | 25 | ug/L | 7.5 |
| Methyl tert-butyl ether | ND | 25 | ug/L | 12 |
| Carbon disulfide | ND | 25 | ug/L | 7.5 |
| Acetone | ND | 250 | ug/L | 75 |
| trans-1,2-Dichloroethene | ND | 25 | ug/L | 7.5 |
| 1,1-Dichloroethane | ND | 25 | ug/L | 5.0 |
| 2,2-Dichloropropane | ND | 25 | ug/L | 7.5 |
| cis-1,2-Dichloroethene | ND | 25 | ug/L | 7.5 |
| **Chloroform** | **2100** | **25** | **ug/L** | **7.5** |
| Bromochloromethane | ND | 25 | ug/L | 7.5 |
| **1,1,1-Trichloroethane** | **6.1 J** | **25** | **ug/L** | **5.0** |
| 2-Butanone | ND | 120 | ug/L | 75 |
| 1,1-Dichloropropene | ND | 25 | ug/L | 7.5 |
| Carbon tetrachloride | ND | 12 | ug/L | 7.5 |
| 1,2-Dibromoethane | ND | 25 | ug/L | 7.5 |
| Benzene | ND | 25 | ug/L | 7.5 |
| **Trichloroethene** | **2100** | **25** | **ug/L** | **7.5** |
| Bromodichloromethane | ND | 25 | ug/L | 7.5 |
| 4-Methyl-2-pentanone | ND | 120 | ug/L | 75 |
| Toluene | ND | 25 | ug/L | 7.5 |
| 1,1,2-Trichloroethane | ND | 25 | ug/L | 7.5 |
| 1,2-Dichloroethane | ND | 12 | ug/L | 10 |
| Tetrachloroethene | ND | 25 | ug/L | 7.5 |
| 2-Hexanone | ND | 120 | ug/L | 75 |
| Dibromochloromethane | ND | 25 | ug/L | 10 |
| Chlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,1,1,2-Tetrachloroethane | ND | 25 | ug/L | 7.5 |
| Ethylbenzene | ND | 25 | ug/L | 5.0 |
| Xylenes (total) | ND | 25 | ug/L | 20 |
| Styrene | ND | 25 | ug/L | 7.5 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/69

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-004 **Work Order #...:** EG6XP1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 25 | ug/L | 7.5 |
| Isopropylbenzene | ND | 25 | ug/L | 7.5 |
| 1,1,2,2-Tetrachloroethane | ND | 25 | ug/L | 10 |
| 1,2,3-Trichloropropane | ND | 25 | ug/L | 10 |
| n-Propylbenzene | ND | 25 | ug/L | 10 |
| Bromobenzene | ND | 25 | ug/L | 7.5 |
| 1,3,5-Trimethylbenzene | ND | 25 | ug/L | 5.0 |
| 2-Chlorotoluene | ND | 25 | ug/L | 7.5 |
| 4-Chlorotoluene | ND | 25 | ug/L | 7.5 |
| tert-Butylbenzene | ND | 25 | ug/L | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 25 | ug/L | 7.5 |
| sec-Butylbenzene | ND | 25 | ug/L | 7.5 |
| p-Isopropyltoluene | ND | 25 | ug/L | 7.5 |
| 1,3-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,4-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| n-Butylbenzene | ND | 25 | ug/L | 7.5 |
| 1,2-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,2-Dibromo-3-chloro-propane | ND | 50 | ug/L | 18 |
| 1,2,4-Trichloro-benzene | ND | 25 | ug/L | 7.5 |
| Hexachlorobutadiene | ND | 25 | ug/L | 7.5 |
| 1,2,3-Trichlorobenzene | ND | 25 | ug/L | 10 |
| Acrolein | ND | 500 | ug/L | 300 |
| Tert-amyl methyl ether | ND | 50 | ug/L | 12 |
| Acrylonitrile | ND | 500 | ug/L | 250 |
| Tert-butyl ethyl ether | ND | 50 | ug/L | 12 |
| t-Butanol | ND | 620 | ug/L | 150 |
| Iodomethane | ND | 50 | ug/L | 25 |
| Isopropyl ether | ND | 50 | ug/L | 12 |
| 2-Chloroethyl vinyl ether | ND | 120 | ug/L | 50 |
| Tetrahydrofuran | ND | 250 | ug/L | 50 |
| Vinyl acetate | ND | 120 | ug/L | 50 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 119 | (65 - 130) |
| Toluene-d8 | 102 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/69

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-004 **Work Order #...:** EG6XP2AA **Matrix.....:** WATER
**Date Sampled...:** 07/28/01 18:40 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 07:11
**Dilution Factor:** 5
**Analyst ID.....:** 004648 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 5.0 | ug/L | 2.0 |
| Chloromethane | ND | 10 | ug/L | 1.5 |
| Vinyl chloride | ND | 2.5 | ug/L | 1.5 |
| Chloroethane | ND | 10 | ug/L | 1.5 |
| Bromomethane | ND | 10 | ug/L | 5.0 |
| Trichlorofluoromethane | ND | 10 | ug/L | 1.5 |
| **1,1-Dichloroethene** | **120** | **5.0** | **ug/L** | **1.5** |
| Methylene chloride | ND | 5.0 | ug/L | 1.5 |
| Methyl tert-butyl ether | ND | 5.0 | ug/L | 2.5 |
| Carbon disulfide | ND | 5.0 | ug/L | 1.5 |
| Acetone | ND | 50 | ug/L | 15 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/L | 1.5 |
| **1,1-Dichloroethane** | **2.1 J** | **5.0** | **ug/L** | **1.0** |
| 2,2-Dichloropropane | ND | 5.0 | ug/L | 1.5 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/L | 1.5 |
| **Chloroform** | **1500 E** | **5.0** | **ug/L** | **1.5** |
| Bromochloromethane | ND | 5.0 | ug/L | 1.5 |
| **1,1,1-Trichloroethane** | **5.0** | **5.0** | **ug/L** | **1.0** |
| 2-Butanone | ND | 25 | ug/L | 15 |
| 1,1-Dichloropropene | ND | 5.0 | ug/L | 1.5 |
| **Carbon tetrachloride** | **2.2 J** | **2.5** | **ug/L** | **1.5** |
| 1,2-Dibromoethane | ND | 5.0 | ug/L | 1.5 |
| Benzene | ND | 5.0 | ug/L | 1.5 |
| **Trichloroethene** | **1500 E** | **5.0** | **ug/L** | **1.5** |
| Bromodichloromethane | ND | 5.0 | ug/L | 1.5 |
| 4-Methyl-2-pentanone | ND | 25 | ug/L | 15 |
| Toluene | ND | 5.0 | ug/L | 1.5 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/L | 1.5 |
| **1,2-Dichloroethane** | **2.4 J** | **2.5** | **ug/L** | **2.0** |
| Tetrachloroethene | ND | 5.0 | ug/L | 1.5 |
| 2-Hexanone | ND | 25 | ug/L | 15 |
| Dibromochloromethane | ND | 5.0 | ug/L | 2.0 |
| Chlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/L | 1.5 |
| Ethylbenzene | ND | 5.0 | ug/L | 1.0 |
| Xylenes (total) | ND | 5.0 | ug/L | 4.0 |
| Styrene | ND | 5.0 | ug/L | 1.5 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/69

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-004 **Work Order #...:** EG6XP2AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 5.0 | ug/L | 1.5 |
| Isopropylbenzene | ND | 5.0 | ug/L | 1.5 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/L | 2.0 |
| n-Propylbenzene | ND | 5.0 | ug/L | 2.0 |
| Bromobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/L | 1.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/L | 1.5 |
| 4-Chlorotoluene | ND | 5.0 | ug/L | 1.5 |
| tert-Butylbenzene | ND | 5.0 | ug/L | 1.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/L | 1.5 |
| sec-Butylbenzene | ND | 5.0 | ug/L | 1.5 |
| p-Isopropyltoluene | ND | 5.0 | ug/L | 1.5 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| n-Butylbenzene | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/L | 3.5 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/L | 1.5 |
| Hexachlorobutadiene | ND | 5.0 | ug/L | 1.5 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/L | 2.0 |
| Acrolein | ND | 100 | ug/L | 60 |
| Tert-amyl methyl ether | ND | 10 | ug/L | 2.5 |
| Acrylonitrile | ND | 100 | ug/L | 50 |
| Tert-butyl ethyl ether | ND | 10 | ug/L | 2.5 |
| t-Butanol | ND | 120 | ug/L | 30 |
| Iodomethane | ND | 10 | ug/L | 5.0 |
| Isopropyl ether | ND | 10 | ug/L | 2.5 |
| 2-Chloroethyl vinyl ether | ND | 25 | ug/L | 10 |
| Tetrahydrofuran | ND | 50 | ug/L | 10 |
| Vinyl acetate | ND | 25 | ug/L | 10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 95 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| Toluene-d8 | 98 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/86.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-005 **Work Order #...:** EG6XQ1AA **Matrix.....:** WATER
**Date Sampled...:** 07/29/01 08:55 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 01:13
**Dilution Factor:** 2
**Analyst ID.....:** 004648 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ug/L | 0.80 |
| Chloromethane | ND | 4.0 | ug/L | 0.60 |
| Vinyl chloride | ND | 1.0 | ug/L | 0.60 |
| Chloroethane | ND | 4.0 | ug/L | 0.60 |
| Bromomethane | ND | 4.0 | ug/L | 2.0 |
| Trichlorofluoromethane | ND | 4.0 | ug/L | 0.60 |
| **1,1-Dichloroethene** | **6.9** | **2.0** | **ug/L** | **0.60** |
| Methylene chloride | ND | 2.0 | ug/L | 0.60 |
| Methyl tert-butyl ether | ND | 2.0 | ug/L | 1.0 |
| **Carbon disulfide** | **1.1 J** | **2.0** | **ug/L** | **0.60** |
| Acetone | ND | 20 | ug/L | 6.0 |
| trans-1,2-Dichloroethene | ND | 2.0 | ug/L | 0.60 |
| 1,1-Dichloroethane | ND | 2.0 | ug/L | 0.40 |
| 2,2-Dichloropropane | ND | 2.0 | ug/L | 0.60 |
| cis-1,2-Dichloroethene | ND | 2.0 | ug/L | 0.60 |
| **Chloroform** | **32** | **2.0** | **ug/L** | **0.60** |
| Bromochloromethane | ND | 2.0 | ug/L | 0.60 |
| 1,1,1-Trichloroethane | ND | 2.0 | ug/L | 0.40 |
| 2-Butanone | ND | 10 | ug/L | 6.0 |
| 1,1-Dichloropropene | ND | 2.0 | ug/L | 0.60 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 0.60 |
| 1,2-Dibromoethane | ND | 2.0 | ug/L | 0.60 |
| Benzene | ND | 2.0 | ug/L | 0.60 |
| **Trichloroethene** | **160** | **2.0** | **ug/L** | **0.60** |
| Bromodichloromethane | ND | 2.0 | ug/L | 0.60 |
| 4-Methyl-2-pentanone | ND | 10 | ug/L | 6.0 |
| Toluene | ND | 2.0 | ug/L | 0.60 |
| 1,1,2-Trichloroethane | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 0.80 |
| Tetrachloroethene | ND | 2.0 | ug/L | 0.60 |
| 2-Hexanone | ND | 10 | ug/L | 6.0 |
| Dibromochloromethane | ND | 2.0 | ug/L | 0.80 |
| Chlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,1,1,2-Tetrachloroethane | ND | 2.0 | ug/L | 0.60 |
| Ethylbenzene | ND | 2.0 | ug/L | 0.40 |
| Xylenes (total) | ND | 2.0 | ug/L | 1.6 |
| Styrene | ND | 2.0 | ug/L | 0.60 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/86.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-005 **Work Order #...:** EG6XQ1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 2.0 | ug/L | 0.60 |
| Isopropylbenzene | ND | 2.0 | ug/L | 0.60 |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ug/L | 0.80 |
| 1,2,3-Trichloropropane | ND | 2.0 | ug/L | 0.80 |
| n-Propylbenzene | ND | 2.0 | ug/L | 0.80 |
| Bromobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ug/L | 0.40 |
| 2-Chlorotoluene | ND | 2.0 | ug/L | 0.60 |
| 4-Chlorotoluene | ND | 2.0 | ug/L | 0.60 |
| tert-Butylbenzene | ND | 2.0 | ug/L | 0.40 |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ug/L | 0.60 |
| sec-Butylbenzene | ND | 2.0 | ug/L | 0.60 |
| p-Isopropyltoluene | ND | 2.0 | ug/L | 0.60 |
| 1,3-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,4-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| n-Butylbenzene | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dichlorobenzene | ND | 2.0 | ug/L | 0.60 |
| 1,2-Dibromo-3-chloro-propane | ND | 4.0 | ug/L | 1.4 |
| 1,2,4-Trichloro-benzene | ND | 2.0 | ug/L | 0.60 |
| Hexachlorobutadiene | ND | 2.0 | ug/L | 0.60 |
| 1,2,3-Trichlorobenzene | ND | 2.0 | ug/L | 0.80 |
| Acrolein | ND | 40 | ug/L | 24 |
| Tert-amyl methyl ether | ND | 4.0 | ug/L | 1.0 |
| Acrylonitrile | ND | 40 | ug/L | 20 |
| Tert-butyl ethyl ether | ND | 4.0 | ug/L | 1.0 |
| t-Butanol | ND | 50 | ug/L | 12 |
| Iodomethane | ND | 4.0 | ug/L | 2.0 |
| Isopropyl ether | ND | 4.0 | ug/L | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/L | 4.0 |
| Tetrahydrofuran | ND | 20 | ug/L | 4.0 |
| Vinyl acetate | ND | 10 | ug/L | 4.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 107 | (65 - 130) |
| Toluene-d8 | 104 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/86.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-005 **Work Order #...:** EG6XQ2AA **Matrix.....:** WATER
**Date Sampled...:** 07/29/01 08:55 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 07:41
**Dilution Factor:** 1
**Analyst ID.....:** 004648 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 0.40 |
| Chloromethane | ND | 2.0 | ug/L | 0.30 |
| Vinyl chloride | ND | 0.50 | ug/L | 0.30 |
| Chloroethane | ND | 2.0 | ug/L | 0.30 |
| Bromomethane | ND | 2.0 | ug/L | 1.0 |
| Trichlorofluoromethane | ND | 2.0 | ug/L | 0.30 |
| **1,1-Dichloroethene** | **6.8** | **1.0** | **ug/L** | **0.30** |
| Methylene chloride | ND | 1.0 | ug/L | 0.30 |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | 0.50 |
| **Carbon disulfide** | **1.1** | **1.0** | **ug/L** | **0.30** |
| Acetone | ND | 10 | ug/L | 3.0 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.30 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 0.20 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 0.30 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.30 |
| **Chloroform** | **33** | **1.0** | **ug/L** | **0.30** |
| Bromochloromethane | ND | 1.0 | ug/L | 0.30 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 0.20 |
| 2-Butanone | ND | 5.0 | ug/L | 3.0 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 0.30 |
| Carbon tetrachloride | ND | 0.50 | ug/L | 0.30 |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | 0.30 |
| Benzene | ND | 1.0 | ug/L | 0.30 |
| **Trichloroethene** | **160 E** | **1.0** | **ug/L** | **0.30** |
| Bromodichloromethane | ND | 1.0 | ug/L | 0.30 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 3.0 |
| Toluene | ND | 1.0 | ug/L | 0.30 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | 0.40 |
| Tetrachloroethene | ND | 1.0 | ug/L | 0.30 |
| 2-Hexanone | ND | 5.0 | ug/L | 3.0 |
| Dibromochloromethane | ND | 1.0 | ug/L | 0.40 |
| Chlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.30 |
| Ethylbenzene | ND | 1.0 | ug/L | 0.20 |
| Xylenes (total) | ND | 1.0 | ug/L | 0.80 |
| Styrene | ND | 1.0 | ug/L | 0.30 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/86.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-005 **Work Order #...:** EG6XQ2AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 1.0 | ug/L | 0.30 |
| Isopropylbenzene | ND | 1.0 | ug/L | 0.30 |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.40 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 0.40 |
| n-Propylbenzene | ND | 1.0 | ug/L | 0.40 |
| Bromobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 0.20 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 0.30 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 0.30 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 0.20 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 0.30 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 0.30 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 0.30 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| n-Butylbenzene | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | 0.70 |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | 0.30 |
| Hexachlorobutadiene | ND | 1.0 | ug/L | 0.30 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 0.40 |
| Acrolein | ND | 20 | ug/L | 12 |
| Tert-amyl methyl ether | ND | 2.0 | ug/L | 0.50 |
| Acrylonitrile | ND | 20 | ug/L | 10 |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L | 0.50 |
| t-Butanol | ND | 25 | ug/L | 6.0 |
| Iodomethane | ND | 2.0 | ug/L | 1.0 |
| Isopropyl ether | ND | 2.0 | ug/L | 0.50 |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | 2.0 |
| Tetrahydrofuran | ND | 10 | ug/L | 2.0 |
| Vinyl acetate | ND | 5.0 | ug/L | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 98 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 105 | (65 - 130) |
| Toluene-d8 | 103 | (80 - 130) |

**NOTE(S):**

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/111.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-006 **Work Order #...:** EG6XR1AA **Matrix.....:** WATER
**Date Sampled...:** 07/29/01 22:50 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 01:43
**Dilution Factor:** 25
**Analyst ID.....:** 004648 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 25 | ug/L | 10 |
| Chloromethane | ND | 50 | ug/L | 7.5 |
| Vinyl chloride | ND | 12 | ug/L | 7.5 |
| Chloroethane | ND | 50 | ug/L | 7.5 |
| Bromomethane | ND | 50 | ug/L | 25 |
| Trichlorofluoromethane | ND | 50 | ug/L | 7.5 |
| **1,1-Dichloroethene** | **10 J** | **25** | **ug/L** | **7.5** |
| Methylene chloride | ND | 25 | ug/L | 7.5 |
| Methyl tert-butyl ether | ND | 25 | ug/L | 12 |
| Carbon disulfide | ND | 25 | ug/L | 7.5 |
| Acetone | ND | 250 | ug/L | 75 |
| trans-1,2-Dichloroethene | ND | 25 | ug/L | 7.5 |
| 1,1-Dichloroethane | ND | 25 | ug/L | 5.0 |
| 2,2-Dichloropropane | ND | 25 | ug/L | 7.5 |
| cis-1,2-Dichloroethene | ND | 25 | ug/L | 7.5 |
| **Chloroform** | **26** | **25** | **ug/L** | **7.5** |
| Bromochloromethane | ND | 25 | ug/L | 7.5 |
| 1,1,1-Trichloroethane | ND | 25 | ug/L | 5.0 |
| 2-Butanone | ND | 120 | ug/L | 75 |
| 1,1-Dichloropropene | ND | 25 | ug/L | 7.5 |
| Carbon tetrachloride | ND | 12 | ug/L | 7.5 |
| 1,2-Dibromoethane | ND | 25 | ug/L | 7.5 |
| Benzene | ND | 25 | ug/L | 7.5 |
| **Trichloroethene** | **2300** | **25** | **ug/L** | **7.5** |
| Bromodichloromethane | ND | 25 | ug/L | 7.5 |
| 4-Methyl-2-pentanone | ND | 120 | ug/L | 75 |
| Toluene | ND | 25 | ug/L | 7.5 |
| 1,1,2-Trichloroethane | ND | 25 | ug/L | 7.5 |
| 1,2-Dichloroethane | ND | 12 | ug/L | 10 |
| Tetrachloroethene | ND | 25 | ug/L | 7.5 |
| 2-Hexanone | ND | 120 | ug/L | 75 |
| Dibromochloromethane | ND | 25 | ug/L | 10 |
| **Chlorobenzene** | **19 J** | **25** | **ug/L** | **7.5** |
| 1,1,1,2-Tetrachloroethane | ND | 25 | ug/L | 7.5 |
| Ethylbenzene | ND | 25 | ug/L | 5.0 |
| Xylenes (total) | ND | 25 | ug/L | 20 |
| Styrene | ND | 25 | ug/L | 7.5 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/111.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-006 **Work Order #...:** EG6XR1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 25 | ug/L | 7.5 |
| Isopropylbenzene | ND | 25 | ug/L | 7.5 |
| 1,1,2,2-Tetrachloroethane | ND | 25 | ug/L | 10 |
| 1,2,3-Trichloropropane | ND | 25 | ug/L | 10 |
| n-Propylbenzene | ND | 25 | ug/L | 10 |
| Bromobenzene | ND | 25 | ug/L | 7.5 |
| 1,3,5-Trimethylbenzene | ND | 25 | ug/L | 5.0 |
| 2-Chlorotoluene | ND | 25 | ug/L | 7.5 |
| 4-Chlorotoluene | ND | 25 | ug/L | 7.5 |
| tert-Butylbenzene | ND | 25 | ug/L | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 25 | ug/L | 7.5 |
| sec-Butylbenzene | ND | 25 | ug/L | 7.5 |
| p-Isopropyltoluene | ND | 25 | ug/L | 7.5 |
| 1,3-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,4-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| n-Butylbenzene | ND | 25 | ug/L | 7.5 |
| 1,2-Dichlorobenzene | ND | 25 | ug/L | 7.5 |
| 1,2-Dibromo-3-chloro-propane | ND | 50 | ug/L | 18 |
| 1,2,4-Trichloro-benzene | ND | 25 | ug/L | 7.5 |
| Hexachlorobutadiene | ND | 25 | ug/L | 7.5 |
| 1,2,3-Trichlorobenzene | ND | 25 | ug/L | 10 |
| Acrolein | ND | 500 | ug/L | 300 |
| Tert-amyl methyl ether | ND | 50 | ug/L | 12 |
| Acrylonitrile | ND | 500 | ug/L | 250 |
| Tert-butyl ethyl ether | ND | 50 | ug/L | 12 |
| t-Butanol | ND | 620 | ug/L | 150 |
| Iodomethane | ND | 50 | ug/L | 25 |
| Isopropyl ether | ND | 50 | ug/L | 12 |
| 2-Chloroethyl vinyl ether | ND | 120 | ug/L | 50 |
| Tetrahydrofuran | ND | 250 | ug/L | 50 |
| Vinyl acetate | ND | 120 | ug/L | 50 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 106 | (65 - 130) |
| Toluene-d8 | 102 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/111.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-006 **Work Order #...:** EG6XR2AA **Matrix.....:** WATER
**Date Sampled...:** 07/29/01 22:50 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1213272
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213534 **Analysis Time..:** 16:44
**Dilution Factor:** 5
**Analyst ID.....:** 015590 **Instrument ID..:** MSH
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 5.0 | ug/L | 2.0 |
| Chloromethane | ND | 10 | ug/L | 1.5 |
| Vinyl chloride | ND | 2.5 | ug/L | 1.5 |
| Chloroethane | ND | 10 | ug/L | 1.5 |
| Bromomethane | ND | 10 | ug/L | 5.0 |
| Trichlorofluoromethane | ND | 10 | ug/L | 1.5 |
| **1,1-Dichloroethene** | **14** | **5.0** | **ug/L** | **1.5** |
| Methylene chloride | ND | 5.0 | ug/L | 1.5 |
| Methyl tert-butyl ether | ND | 5.0 | ug/L | 2.5 |
| **Carbon disulfide** | **3.3 J** | **5.0** | **ug/L** | **1.5** |
| Acetone | ND | 50 | ug/L | 15 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/L | 1.5 |
| 1,1-Dichloroethane | ND | 5.0 | ug/L | 1.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/L | 1.5 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/L | 1.5 |
| **Chloroform** | **24** | **5.0** | **ug/L** | **1.5** |
| Bromochloromethane | ND | 5.0 | ug/L | 1.5 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/L | 1.0 |
| 2-Butanone | ND | 25 | ug/L | 15 |
| 1,1-Dichloropropene | ND | 5.0 | ug/L | 1.5 |
| Carbon tetrachloride | ND | 2.5 | ug/L | 1.5 |
| 1,2-Dibromoethane | ND | 5.0 | ug/L | 1.5 |
| Benzene | ND | 5.0 | ug/L | 1.5 |
| **Trichloroethene** | **1900 E** | **5.0** | **ug/L** | **1.5** |
| Bromodichloromethane | ND | 5.0 | ug/L | 1.5 |
| 4-Methyl-2-pentanone | ND | 25 | ug/L | 15 |
| Toluene | ND | 5.0 | ug/L | 1.5 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dichloroethane | ND | 2.5 | ug/L | 2.0 |
| Tetrachloroethene | ND | 5.0 | ug/L | 1.5 |
| 2-Hexanone | ND | 25 | ug/L | 15 |
| Dibromochloromethane | ND | 5.0 | ug/L | 2.0 |
| **Chlorobenzene** | **18** | **5.0** | **ug/L** | **1.5** |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/L | 1.5 |
| Ethylbenzene | ND | 5.0 | ug/L | 1.0 |
| Xylenes (total) | ND | 5.0 | ug/L | 4.0 |
| Styrene | ND | 5.0 | ug/L | 1.5 |

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HALEY & ALDRICH INC

Client Sample ID: DDS_2_14/111.5

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-006 **Work Order #...:** EG6XR2AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 5.0 | ug/L | 1.5 |
| Isopropylbenzene | ND | 5.0 | ug/L | 1.5 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L | 2.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/L | 2.0 |
| n-Propylbenzene | ND | 5.0 | ug/L | 2.0 |
| Bromobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/L | 1.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/L | 1.5 |
| 4-Chlorotoluene | ND | 5.0 | ug/L | 1.5 |
| tert-Butylbenzene | ND | 5.0 | ug/L | 1.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/L | 1.5 |
| sec-Butylbenzene | ND | 5.0 | ug/L | 1.5 |
| p-Isopropyltoluene | ND | 5.0 | ug/L | 1.5 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| n-Butylbenzene | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/L | 1.5 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/L | 3.5 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/L | 1.5 |
| Hexachlorobutadiene | ND | 5.0 | ug/L | 1.5 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/L | 2.0 |
| Acrolein | ND | 100 | ug/L | 60 |
| Tert-amyl methyl ether | ND | 10 | ug/L | 2.5 |
| Acrylonitrile | ND | 100 | ug/L | 50 |
| Tert-butyl ethyl ether | ND | 10 | ug/L | 2.5 |
| t-Butanol | ND | 120 | ug/L | 30 |
| Iodomethane | ND | 10 | ug/L | 5.0 |
| Isopropyl ether | ND | 10 | ug/L | 2.5 |
| 2-Chloroethyl vinyl ether | ND | 25 | ug/L | 10 |
| Tetrahydrofuran | ND | 50 | ug/L | 10 |
| Vinyl acetate | ND | 25 | ug/L | 10 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 100 | (65 - 130) |
| Toluene-d8 | 103 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

E Estimated result. Result concentration exceeds the calibration range.

HALEY & ALDRICH INC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

**Lot-Sample #...:** E1G300192-007 **Work Order #...:** EG6XT1AA **Matrix.....:** WATER
**Date Sampled...:** 07/26/01 **Date Received..:** 07/30/01 17:45 **MS Run #.....:** 1212284
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 11:31
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSC
**Method.....:** SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 0.40 |
| Chloromethane | ND | 2.0 | ug/L | 0.30 |
| Vinyl chloride | ND | 0.50 | ug/L | 0.30 |
| Chloroethane | ND | 2.0 | ug/L | 0.30 |
| Bromomethane | ND | 2.0 | ug/L | 1.0 |
| Trichlorofluoromethane | ND | 2.0 | ug/L | 0.30 |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | 0.30 |
| Methylene chloride | ND | 1.0 | ug/L | 0.30 |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | 0.50 |
| Carbon disulfide | ND | 1.0 | ug/L | 0.30 |
| Acetone | ND | 10 | ug/L | 3.0 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.30 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 0.20 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 0.30 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 0.30 |
| Chloroform | ND | 1.0 | ug/L | 0.30 |
| Bromochloromethane | ND | 1.0 | ug/L | 0.30 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 0.20 |
| 2-Butanone | ND | 5.0 | ug/L | 3.0 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 0.30 |
| Carbon tetrachloride | ND | 0.50 | ug/L | 0.30 |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | 0.30 |
| Benzene | ND | 1.0 | ug/L | 0.30 |
| Trichloroethene | ND | 1.0 | ug/L | 0.30 |
| Bromodichloromethane | ND | 1.0 | ug/L | 0.30 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 3.0 |
| Toluene | ND | 1.0 | ug/L | 0.30 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | 0.40 |
| Tetrachloroethene | ND | 1.0 | ug/L | 0.30 |
| 2-Hexanone | ND | 5.0 | ug/L | 3.0 |
| Dibromochloromethane | ND | 1.0 | ug/L | 0.40 |
| Chlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.30 |
| Ethylbenzene | ND | 1.0 | ug/L | 0.20 |
| Xylenes (total) | ND | 1.0 | ug/L | 0.80 |
| Styrene | ND | 1.0 | ug/L | 0.30 |

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**HALEY & ALDRICH INC**

**Client Sample ID: TRIP BLANK**

**GC/MS Volatiles**

**Lot-Sample #...:** E1G300192-007 **Work Order #...:** EG6XT1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Bromoform | ND | 1.0 | ug/L | 0.30 |
| Isopropylbenzene | ND | 1.0 | ug/L | 0.30 |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.40 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 0.40 |
| n-Propylbenzene | ND | 1.0 | ug/L | 0.40 |
| Bromobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 0.20 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 0.30 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 0.30 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 0.20 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 0.30 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 0.30 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 0.30 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| n-Butylbenzene | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 0.30 |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | 0.70 |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | 0.30 |
| Hexachlorobutadiene | ND | 1.0 | ug/L | 0.30 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 0.40 |
| Acrolein | ND | 20 | ug/L | 12 |
| Tert-amyl methyl ether | ND | 2.0 | ug/L | 0.50 |
| Acrylonitrile | ND | 20 | ug/L | 10 |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L | 0.50 |
| t-Butanol | ND | 25 | ug/L | 6.0 |
| Iodomethane | ND | 2.0 | ug/L | 1.0 |
| Isopropyl ether | ND | 2.0 | ug/L | 0.50 |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | 2.0 |
| Tetrahydrofuran | ND | 10 | ug/L | 2.0 |
| Vinyl acetate | ND | 5.0 | ug/L | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 111 | (65 - 130) |
| Toluene-d8 | 107 | (80 - 130) |

**HALEY & ALDRICH INC**

**DDS_2_15/72.5**

**GC/MS Volatiles**

**Lot-Sample #:** E1G300192-001 **Work Order #:** EG6XF1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

**HALEY & ALDRICH INC**

**DDS_2_15/91.5**

**GC/MS Volatiles**

**Lot-Sample #:** E1G300192-002 **Work Order #:** EG6XH1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

**HALEY & ALDRICH INC**

**DDS_2_15/116**

**GC/MS Volatiles**

**Lot-Sample #:** E1G300192-003 **Work Order #:** EG6XN1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

**HALEY & ALDRICH INC**

**DDS_2_14/69**

**GC/MS Volatiles**

**Lot-Sample #:** E1G300192-004 **Work Order #:** EG6XP1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

**HALEY & ALDRICH INC**

**DDS_2_14/111.5**

**GC/MS Volatiles**

**Lot-Sample #:** E1G300192-006 **Work Order #:** EG6XR2AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

**HALEY & ALDRICH INC**

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**GC/MS Volatiles**

**Lot-Sample #:** E1G300192-007 **Work Order #:** EG6XT1AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

**HALEY & ALDRICH INC**

**Method Blank Report**

**GC/MS Volatiles**

**Lot-Sample #:** E1G310000-529 B **Work Order #:** EG8M81AA **Matrix:** WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

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

# QC DATA ASSOCIATION SUMMARY

**E1G300192**

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 001 | WATER | SW846 8260B | | 1212529 | 1212284 |
| | WATER | SW846 8260B | | 1213290 | 1213170 |
| 002 | WATER | SW846 8260B | | 1212529 | 1212284 |
| | WATER | SW846 8260B | | 1213534 | 1213272 |
| 003 | WATER | SW846 8260B | | 1212529 | 1212284 |
| | WATER | SW846 8260B | | 1213290 | 1213170 |
| 004 | WATER | SW846 8260B | | 1212529 | 1212284 |
| | WATER | SW846 8260B | | 1213290 | 1213170 |
| 005 | WATER | SW846 8260B | | 1213290 | 1213170 |
| 006 | WATER | SW846 8260B | | 1213290 | 1213170 |
| | WATER | SW846 8260B | | 1213534 | 1213272 |
| 007 | WATER | SW846 8260B | | 1212529 | 1212284 |

## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1G300192
**MB Lot-Sample #:** E1G310000-529

**Analysis Date..:** 07/31/01
**Dilution Factor:** 1

**Work Order #...:** EG8M81AA

**Prep Date.....:** 07/31/01
**Prep Batch #...:** 1212529

**Analyst ID.....:** 004648

**Matrix.....:** WATER

**Analysis Time..:** 09:51
**Instrument ID..:** MSC

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1.0 | ug/L | SW846 8260B |
| Chloromethane | ND | 2.0 | ug/L | SW846 8260B |
| Vinyl chloride | ND | 0.50 | ug/L | SW846 8260B |
| Chloroethane | ND | 2.0 | ug/L | SW846 8260B |
| Bromomethane | ND | 2.0 | ug/L | SW846 8260B |
| Trichlorofluoromethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Methylene chloride | ND | 1.0 | ug/L | SW846 8260B |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | SW846 8260B |
| Carbon disulfide | ND | 1.0 | ug/L | SW846 8260B |
| Acetone | ND | 10 | ug/L | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Chloroform | ND | 1.0 | ug/L | SW846 8260B |
| Bromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 2-Butanone | ND | 5.0 | ug/L | SW846 8260B |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | SW846 8260B |
| Carbon tetrachloride | ND | 0.50 | ug/L | SW846 8260B |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | SW846 8260B |
| Benzene | ND | 1.0 | ug/L | SW846 8260B |
| Trichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Bromodichloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | SW846 8260B |
| Toluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | SW846 8260B |
| Tetrachloroethene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Hexanone | ND | 5.0 | ug/L | SW846 8260B |
| Dibromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Chlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Ethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Xylenes (total) | ND | 1.0 | ug/L | SW846 8260B |
| Styrene | ND | 1.0 | ug/L | SW846 8260B |
| Bromoform | ND | 1.0 | ug/L | SW846 8260B |
| Isopropylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |

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**METHOD BLANK REPORT**

**GC/MS Volatiles**

**Client Lot #...:** E1G300192 **Work Order #...:** EG8M81AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| n-Propylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 4-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| tert-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| sec-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| p-Isopropyltoluene | 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 |
| n-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | SW846 8260B |
| Hexachlorobutadiene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Acrolein | ND | 20 | ug/L | SW846 8260B |
| Tert-amyl methyl ether | ND | 2.0 | ug/L | SW846 8260B |
| Acrylonitrile | ND | 20 | ug/L | SW846 8260B |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L | SW846 8260B |
| t-Butanol | ND | 25 | ug/L | SW846 8260B |
| Iodomethane | ND | 2.0 | ug/L | SW846 8260B |
| Isopropyl ether | ND | 2.0 | ug/L | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | SW846 8260B |
| Tetrahydrofuran | ND | 10 | ug/L | SW846 8260B |
| Vinyl acetate | ND | 5.0 | ug/L | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 107 | (65 - 130) |
| Toluene-d8 | 105 | (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 #...:** E1G300192
**MB Lot-Sample #:** E1H010000-290
**Analysis Date..:** 07/31/01
**Dilution Factor:** 1

**Work Order #...:** EG95D1AA
**Prep Date.....:** 07/31/01
**Prep Batch #...:** 1213290
**Analyst ID.....:** 004648

**Matrix.....:** WATER
**Analysis Time..:** 21:27
**Instrument ID..:** MSC

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1.0 | ug/L | SW846 8260B |
| Chloromethane | ND | 2.0 | ug/L | SW846 8260B |
| Vinyl chloride | ND | 0.50 | ug/L | SW846 8260B |
| Chloroethane | ND | 2.0 | ug/L | SW846 8260B |
| Bromomethane | ND | 2.0 | ug/L | SW846 8260B |
| Trichlorofluoromethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Methylene chloride | ND | 1.0 | ug/L | SW846 8260B |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | SW846 8260B |
| Carbon disulfide | ND | 1.0 | ug/L | SW846 8260B |
| Acetone | ND | 10 | ug/L | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Chloroform | ND | 1.0 | ug/L | SW846 8260B |
| Bromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 2-Butanone | ND | 5.0 | ug/L | SW846 8260B |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | SW846 8260B |
| Carbon tetrachloride | ND | 0.50 | ug/L | SW846 8260B |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | SW846 8260B |
| Benzene | ND | 1.0 | ug/L | SW846 8260B |
| Trichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Bromodichloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | SW846 8260B |
| Toluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | SW846 8260B |
| Tetrachloroethene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Hexanone | ND | 5.0 | ug/L | SW846 8260B |
| Dibromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Chlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Ethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Xylenes (total) | ND | 1.0 | ug/L | SW846 8260B |
| Styrene | ND | 1.0 | ug/L | SW846 8260B |
| Bromoform | ND | 1.0 | ug/L | SW846 8260B |
| Isopropylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1G300192 **Work Order #...:** EG95D1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| n-Propylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 4-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| tert-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| sec-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| p-Isopropyltoluene | 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 |
| n-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | SW846 8260B |
| Hexachlorobutadiene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Acrolein | ND | 20 | ug/L | SW846 8260B |
| Tert-amyl methyl ether | ND | 2.0 | ug/L | SW846 8260B |
| Acrylonitrile | ND | 20 | ug/L | SW846 8260B |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L | SW846 8260B |
| t-Butanol | ND | 25 | ug/L | SW846 8260B |
| Iodomethane | ND | 2.0 | ug/L | SW846 8260B |
| Isopropyl ether | ND | 2.0 | ug/L | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | SW846 8260B |
| Tetrahydrofuran | ND | 10 | ug/L | SW846 8260B |
| Vinyl acetate | ND | 5.0 | ug/L | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 108 | (65 - 130) |
| Toluene-d8 | 109 | (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 #...:** E1G300192 **Work Order #...:** EHCDF1AA **Matrix.....:** WATER
**MB Lot-Sample #:** E1H010000-534

**Prep Date.....:** 08/01/01 **Analysis Time..:** 10:32
**Analysis Date..:** 08/01/01 **Prep Batch #...:** 1213534 **Instrument ID..:** MSH
**Dilution Factor:** 1

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

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 1.0 | ug/L | SW846 8260B |
| Chloromethane | ND | 2.0 | ug/L | SW846 8260B |
| Vinyl chloride | ND | 0.50 | ug/L | SW846 8260B |
| Chloroethane | ND | 2.0 | ug/L | SW846 8260B |
| Bromomethane | ND | 2.0 | ug/L | SW846 8260B |
| Trichlorofluoromethane | ND | 2.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Methylene chloride | ND | 1.0 | ug/L | SW846 8260B |
| Methyl tert-butyl ether | ND | 1.0 | ug/L | SW846 8260B |
| Carbon disulfide | ND | 1.0 | ug/L | SW846 8260B |
| Acetone | ND | 10 | ug/L | SW846 8260B |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Chloroform | ND | 1.0 | ug/L | SW846 8260B |
| Bromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 2-Butanone | ND | 5.0 | ug/L | SW846 8260B |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | SW846 8260B |
| Carbon tetrachloride | ND | 0.50 | ug/L | SW846 8260B |
| 1,2-Dibromoethane | ND | 1.0 | ug/L | SW846 8260B |
| Benzene | ND | 1.0 | ug/L | SW846 8260B |
| Trichloroethene | ND | 1.0 | ug/L | SW846 8260B |
| Bromodichloromethane | ND | 1.0 | ug/L | SW846 8260B |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | SW846 8260B |
| Toluene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichloroethane | ND | 0.50 | ug/L | SW846 8260B |
| Tetrachloroethene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Hexanone | ND | 5.0 | ug/L | SW846 8260B |
| Dibromochloromethane | ND | 1.0 | ug/L | SW846 8260B |
| Chlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |
| Ethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Xylenes (total) | ND | 1.0 | ug/L | SW846 8260B |
| Styrene | ND | 1.0 | ug/L | SW846 8260B |
| Bromoform | ND | 1.0 | ug/L | SW846 8260B |
| Isopropylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | SW846 8260B |

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## METHOD BLANK REPORT

### GC/MS Volatiles

**Client Lot #...:** E1G300192 **Work Order #...:** EHCDF1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | METHOD |
|---|---|---|---|---|
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | SW846 8260B |
| n-Propylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| Bromobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 2-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| 4-Chlorotoluene | ND | 1.0 | ug/L | SW846 8260B |
| tert-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| sec-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| p-Isopropyltoluene | 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 |
| n-Butylbenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L | SW846 8260B |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | SW846 8260B |
| Hexachlorobutadiene | ND | 1.0 | ug/L | SW846 8260B |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | SW846 8260B |
| Acrolein | ND | 20 | ug/L | SW846 8260B |
| Tert-amyl methyl ether | ND | 2.0 | ug/L | SW846 8260B |
| Acrylonitrile | ND | 20 | ug/L | SW846 8260B |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L | SW846 8260B |
| t-Butanol | ND | 25 | ug/L | SW846 8260B |
| Iodomethane | ND | 2.0 | ug/L | SW846 8260B |
| Isopropyl ether | ND | 2.0 | ug/L | SW846 8260B |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | SW846 8260B |
| Tetrahydrofuran | ND | 10 | ug/L | SW846 8260B |
| Vinyl acetate | ND | 5.0 | ug/L | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 100 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 89 | (65 - 130) |
| Toluene-d8 | 101 | (80 - 130) |

**NOTE(S):**

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

## LABORATORY CONTROL SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1G300192 **Work Order #...:** EG8M81AC **Matrix.....:** WATER
**LCS Lot-Sample#:** E1G310000-529
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 09:21
**Dilution Factor:** 1 **Instrument ID..:** MSC
**Analyst ID.....:** 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **10.0** | **11.2** | **ug/L** | **112** | **SW846 8260B** |
| **Benzene** | **10.0** | **11.0** | **ug/L** | **110** | **SW846 8260B** |
| **Trichloroethene** | **10.0** | **10.4** | **ug/L** | **104** | **SW846 8260B** |
| **Toluene** | **10.0** | **10.7** | **ug/L** | **107** | **SW846 8260B** |
| **Chlorobenzene** | **10.0** | **10.4** | **ug/L** | **104** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 107 | (65 - 130) |
| Toluene-d8 | 105 | (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 #...:** E1G300192 **Work Order #...:** EG95D1AC **Matrix.....:** WATER
**LCS Lot-Sample#:** E1H010000-290
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 20:56
**Dilution Factor:** 1 **Instrument ID..:** MSC
**Analyst ID.....:** 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **10.0** | **10.8** | **ug/L** | **108** | **SW846 8260B** |
| **Benzene** | **10.0** | **10.1** | **ug/L** | **101** | **SW846 8260B** |
| **Trichloroethene** | **10.0** | **9.79** | **ug/L** | **98** | **SW846 8260B** |
| **Toluene** | **10.0** | **10.1** | **ug/L** | **101** | **SW846 8260B** |
| **Chlorobenzene** | **10.0** | **9.58** | **ug/L** | **96** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 107 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 106 | (65 - 130) |
| Toluene-d8 | 111 | (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 #...:** E1G300192 **Work Order #...:** EHCDF1AC **Matrix.....:** WATER
**LCS Lot-Sample#:** E1H010000-534
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213534 **Analysis Time..:** 10:02
**Dilution Factor:** 1 **Instrument ID..:** MSH
**Analyst ID.....:** 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **10.0** | **10.4** | **ug/L** | **104** | **SW846 8260B** |
| **Benzene** | **10.0** | **9.92** | **ug/L** | **99** | **SW846 8260B** |
| **Trichloroethene** | **10.0** | **10.0** | **ug/L** | **100** | **SW846 8260B** |
| **Toluene** | **10.0** | **9.46** | **ug/L** | **95** | **SW846 8260B** |
| **Chlorobenzene** | **10.0** | **9.63** | **ug/L** | **96** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 91 | (65 - 130) |
| Toluene-d8 | 105 | (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 #...:** E1G300192 **Work Order #...:** EG8M81AC **Matrix.....:** WATER
**LCS Lot-Sample#:** E1G310000-529
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1212529 **Analysis Time..:** 09:21
**Dilution Factor:** 1 **Instrument ID..:** MSC
**Analyst ID.....:** 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **1,1-Dichloroethene** | **112** | **(70 - 130)** | **SW846 8260B** |
| **Benzene** | **110** | **(75 - 120)** | **SW846 8260B** |
| **Trichloroethene** | **104** | **(75 - 130)** | **SW846 8260B** |
| **Toluene** | **107** | **(80 - 120)** | **SW846 8260B** |
| **Chlorobenzene** | **104** | **(80 - 120)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 107 | (65 - 130) |
| Toluene-d8 | 105 | (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 #...:** E1G300192 **Work Order #...:** EG95D1AC **Matrix.....:** WATER
**LCS Lot-Sample#:** E1H010000-290
**Prep Date.....:** 07/31/01 **Analysis Date..:** 07/31/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 20:56
**Dilution Factor:** 1 **Instrument ID..:** MSC
**Analyst ID.....:** 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **1,1-Dichloroethene** | **108** | **(70 - 130)** | **SW846 8260B** |
| **Benzene** | **101** | **(75 - 120)** | **SW846 8260B** |
| **Trichloroethene** | **98** | **(75 - 130)** | **SW846 8260B** |
| **Toluene** | **101** | **(80 - 120)** | **SW846 8260B** |
| **Chlorobenzene** | **96** | **(80 - 120)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 107 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 106 | (65 - 130) |
| Toluene-d8 | 111 | (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 #...:** E1G300192 **Work Order #...:** EHCDF1AC **Matrix.....:** WATER
**LCS Lot-Sample#:** E1H010000-534
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213534 **Analysis Time..:** 10:02
**Dilution Factor:** 1 **Instrument ID..:** MSH
**Analyst ID.....:** 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| **1,1-Dichloroethene** | **104** | **(70 - 130)** | **SW846 8260B** |
| **Benzene** | **99** | **(75 - 120)** | **SW846 8260B** |
| **Trichloroethene** | **100** | **(75 - 130)** | **SW846 8260B** |
| **Toluene** | **95** | **(80 - 120)** | **SW846 8260B** |
| **Chlorobenzene** | **96** | **(80 - 120)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 104 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 91 | (65 - 130) |
| Toluene-d8 | 105 | (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 #...:** | E1G300192 | **Work Order #...:** | EG6TV1CH-MS | **Matrix.....:** | WATER |
| **MS Lot-Sample #:** | E1G300184-003 | | EG6TV1CJ-MSD | | |
| **Date Sampled...:** | 07/30/01 12:00 | **Date Received..:** | 07/30/01 16:15 | **MS Run #.....:** | 1212284 |
| **Prep Date.....:** | 07/31/01 | **Analysis Date..:** | 07/31/01 | | |
| **Prep Batch #...:** | 1212529 | **Analysis Time..:** | 19:01 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSC |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **0.39** | **10.0** | **12.3** | **ug/L** | **119** | | **SW846 8260B** |
| | **0.39** | **10.0** | **12.2** | **ug/L** | **118** | **0.65** | **SW846 8260B** |
| **Benzene** | **ND** | **10.0** | **11.6** | **ug/L** | **116** | | **SW846 8260B** |
| | **ND** | **10.0** | **11.4** | **ug/L** | **114** | **1.7** | **SW846 8260B** |
| **Trichloroethene** | **3.6** | **10.0** | **15.2** | **ug/L** | **116** | | **SW846 8260B** |
| | **3.6** | **10.0** | **14.9** | **ug/L** | **113** | **2.3** | **SW846 8260B** |
| **Toluene** | **11** | **10.0** | **23.2** | **ug/L** | **122 a** | | **SW846 8260B** |
| | **11** | **10.0** | **21.4** | **ug/L** | **104** | **8.2** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **10.0** | **10.8** | **ug/L** | **108** | | **SW846 8260B** |
| | **ND** | **10.0** | **10.3** | **ug/L** | **103** | **4.7** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 114 | (75 - 120) |
| | 108 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 127 | (65 - 130) |
| | 118 | (65 - 130) |
| Toluene-d8 | 112 | (80 - 130) |
| | 106 | (80 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

## MATRIX SPIKE SAMPLE DATA REPORT

### GC/MS Volatiles

**Client Lot #...:** E1G300192 **Work Order #...:** EG8RN1CP-MS **Matrix.....:** WATER
**MS Lot-Sample #:** E1G310262-001 EG8RN1CQ-MSD
**Date Sampled...:** 07/31/01 10:20 **Date Received..:** 07/31/01 17:30 **MS Run #.....:** 1213170
**Prep Date.....:** 08/01/01 **Analysis Date..:** 08/01/01
**Prep Batch #...:** 1213290 **Analysis Time..:** 03:13
**Dilution Factor:** 10 **Analyst ID.....:** 004648 **Instrument ID..:** MSC

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **ND** | **100** | **109** | **ug/L** | **109** | | **SW846 8260B** |
| | **ND** | **100** | **119** | **ug/L** | **119** | **8.2** | **SW846 8260B** |
| **Benzene** | **ND** | **100** | **106** | **ug/L** | **106** | | **SW846 8260B** |
| | **ND** | **100** | **112** | **ug/L** | **112** | **5.0** | **SW846 8260B** |
| **Trichloroethene** | **0.81** | **100** | **104** | **ug/L** | **103** | | **SW846 8260B** |
| | **0.81** | **100** | **111** | **ug/L** | **110** | **6.5** | **SW846 8260B** |
| **Toluene** | **0.46** | **100** | **104** | **ug/L** | **103** | | **SW846 8260B** |
| | **0.46** | **100** | **108** | **ug/L** | **108** | **4.2** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **100** | **101** | **ug/L** | **101** | | **SW846 8260B** |
| | **ND** | **100** | **106** | **ug/L** | **106** | **4.8** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (75 - 120) |
| | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 106 | (65 - 130) |
| | 107 | (65 - 130) |
| Toluene-d8 | 102 | (80 - 130) |
| | 105 | (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 #...:** | E1G300192 | **Work Order #...:** | EG8VF1AC-MS | **Matrix.....:** | WATER |
| **MS Lot-Sample #:** | E1G310265-004 | | EG8VF1AD-MSD | | |
| **Date Sampled...:** | 07/31/01 13:47 | **Date Received..:** | 07/31/01 18:40 | **MS Run #.....:** | 1213272 |
| **Prep Date.....:** | 08/01/01 | **Analysis Date..:** | 08/01/01 | | |
| **Prep Batch #...:** | 1213534 | **Analysis Time..:** | 15:14 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSH |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **ND** | **10.0** | **9.89** | **ug/L** | **99** | | **SW846 8260B** |
| | **ND** | **10.0** | **10.3** | **ug/L** | **103** | **4.1** | **SW846 8260B** |
| **Benzene** | **ND** | **10.0** | **9.96** | **ug/L** | **100** | | **SW846 8260B** |
| | **ND** | **10.0** | **9.85** | **ug/L** | **98** | **1.1** | **SW846 8260B** |
| **Trichloroethene** | **ND** | **10.0** | **9.86** | **ug/L** | **99** | | **SW846 8260B** |
| | **ND** | **10.0** | **9.71** | **ug/L** | **97** | **1.5** | **SW846 8260B** |
| **Toluene** | **ND** | **10.0** | **9.07** | **ug/L** | **91** | | **SW846 8260B** |
| | **ND** | **10.0** | **9.36** | **ug/L** | **94** | **3.1** | **SW846 8260B** |
| **Chlorobenzene** | **ND** | **10.0** | **9.31** | **ug/L** | **93** | | **SW846 8260B** |
| | **ND** | **10.0** | **9.52** | **ug/L** | **95** | **2.2** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (75 - 120) |
| | 107 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| | 105 | (65 - 130) |
| Toluene-d8 | 97 | (80 - 130) |
| | 105 | (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 #...:** | E1G300192 | **Work Order #...:** | EG6TV1CH-MS | **Matrix.....:** | WATER |
| **MS Lot-Sample #:** | E1G300184-003 | | EG6TV1CJ-MSD | | |
| **Date Sampled...:** | 07/30/01 12:00 | **Date Received..:** | 07/30/01 16:15 | **MS Run #.....:** | 1212284 |
| **Prep Date.....:** | 07/31/01 | **Analysis Date..:** | 07/31/01 | | |
| **Prep Batch #...:** | 1212529 | **Analysis Time..:** | 19:01 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSC |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **119** | **(70 - 130)** | | | **SW846 8260B** |
| | **118** | **(70 - 130)** | **0.65** | **(0-25)** | **SW846 8260B** |
| **Benzene** | **116** | **(75 - 120)** | | | **SW846 8260B** |
| | **114** | **(75 - 120)** | **1.7** | **(0-25)** | **SW846 8260B** |
| **Trichloroethene** | **116** | **(75 - 130)** | | | **SW846 8260B** |
| | **113** | **(75 - 130)** | **2.3** | **(0-25)** | **SW846 8260B** |
| **Toluene** | **122 a** | **(80 - 120)** | | | **SW846 8260B** |
| | **104** | **(80 - 120)** | **8.2** | **(0-25)** | **SW846 8260B** |
| **Chlorobenzene** | **108** | **(80 - 120)** | | | **SW846 8260B** |
| | **103** | **(80 - 120)** | **4.7** | **(0-25)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 114 | (75 - 120) |
| | 108 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 127 | (65 - 130) |
| | 118 | (65 - 130) |
| Toluene-d8 | 112 | (80 - 130) |
| | 106 | (80 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

## MATRIX SPIKE SAMPLE EVALUATION REPORT

### GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client Lot #...:** | E1G300192 | **Work Order #...:** | EG8RN1CP-MS<br>EG8RN1CQ-MSD | **Matrix.....:** | WATER |
| **MS Lot-Sample #:** | E1G310262-001 | | | | |
| **Date Sampled...:** | 07/31/01 10:20 | **Date Received..:** | 07/31/01 17:30 | **MS Run #.....:** | 1213170 |
| **Prep Date.....:** | 08/01/01 | **Analysis Date..:** | 08/01/01 | | |
| **Prep Batch #...:** | 1213290 | **Analysis Time..:** | 03:13 | | |
| **Dilution Factor:** | 10 | **Analyst ID.....:** | 004648 | **Instrument ID..:** | MSC |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **109** | **(70 - 130)** | | | **SW846 8260B** |
| | **119** | **(70 - 130)** | **8.2** | **(0-25)** | **SW846 8260B** |
| **Benzene** | **106** | **(75 - 120)** | | | **SW846 8260B** |
| | **112** | **(75 - 120)** | **5.0** | **(0-25)** | **SW846 8260B** |
| **Trichloroethene** | **103** | **(75 - 130)** | | | **SW846 8260B** |
| | **110** | **(75 - 130)** | **6.5** | **(0-25)** | **SW846 8260B** |
| **Toluene** | **103** | **(80 - 120)** | | | **SW846 8260B** |
| | **108** | **(80 - 120)** | **4.2** | **(0-25)** | **SW846 8260B** |
| **Chlorobenzene** | **101** | **(80 - 120)** | | | **SW846 8260B** |
| | **106** | **(80 - 120)** | **4.8** | **(0-25)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (75 - 120) |
| | 105 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 106 | (65 - 130) |
| | 107 | (65 - 130) |
| Toluene-d8 | 102 | (80 - 130) |
| | 105 | (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 #...:** | E1G300192 | **Work Order #...:** | EG8VF1AC-MS | **Matrix.....:** | WATER |
| **MS Lot-Sample #:** | E1G310265-004 | | EG8VF1AD-MSD | | |
| **Date Sampled...:** | 07/31/01 13:47 | **Date Received..:** | 07/31/01 18:40 | **MS Run #.....:** | 1213272 |
| **Prep Date.....:** | 08/01/01 | **Analysis Date..:** | 08/01/01 | | |
| **Prep Batch #...:** | 1213534 | **Analysis Time..:** | 15:14 | | |
| **Dilution Factor:** | 1 | **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSH |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| **1,1-Dichloroethene** | **99** | **(70 - 130)** | | | **SW846 8260B** |
| | **103** | **(70 - 130)** | **4.1** | **(0-25)** | **SW846 8260B** |
| **Benzene** | **100** | **(75 - 120)** | | | **SW846 8260B** |
| | **98** | **(75 - 120)** | **1.1** | **(0-25)** | **SW846 8260B** |
| **Trichloroethene** | **99** | **(75 - 130)** | | | **SW846 8260B** |
| | **97** | **(75 - 130)** | **1.5** | **(0-25)** | **SW846 8260B** |
| **Toluene** | **91** | **(80 - 120)** | | | **SW846 8260B** |
| | **94** | **(80 - 120)** | **3.1** | **(0-25)** | **SW846 8260B** |
| **Chlorobenzene** | **93** | **(80 - 120)** | | | **SW846 8260B** |
| | **95** | **(80 - 120)** | **2.2** | **(0-25)** | **SW846 8260B** |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (75 - 120) |
| | 107 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 98 | (65 - 130) |
| | 105 | (65 - 130) |
| Toluene-d8 | 97 | (80 - 130) |
| | 105 | (80 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters