**OHM Remediation Services Corp.**
*3347 Michelson Drive, Suite 200*
*Irvine, CA 92612-1692*
*Tel. 949.261.6441*
*Fax. 949.474.8309*
M60050.002467
MCAS EL TORO
SSIC #5090.3
*A Member of The IT Group*

July 1, 1999

Ms. Bozier H. Demaree, Code 02R.BD
Contracting Officer
Naval Facilities Engineering Command, Southwest Division
1220 Pacific Highway
San Diego, California 92132-5187

**Attn: Ms. Lynn Marie Hornecker**

**Subject:** **Update of SVE Analytical Results for the SVE Well Testing at Site 24**
**Contract N68711-93-D-1459, Delivery Order 065, Doc. Control No. SW6942**
**Removal and Remedial Actions at IRP Sites, MCAS El Toro, California**

Dear Ms. Hornecker:

Attached are the copies of the preliminary fax copy of the laboratory analytical results for Site 24 SVE wells. Air samples were collected from the influent, midpoint, and effluent of the SVE system. The attached package has analytical data for SVE Wells 24SVE2 (long term), 24SVE13 (long term), 24SVE138 (48 hour test), and 24SVE147 (48 hour test).

Additional data will be submitted as it is received, but this partial package is to help expedite your review of the data.

Should you have any questions or comments, please feel free to contact the undersigned at (949) 660-7537.

Sincerely,
OHM Remediation Services Corporation

William Sedlak, P.E.
Project Manager

cc: Lucreatria Holloway, SWDIV, COTR (1C/1E)
Crispin Wanyoike, Earth Tech (1C/1E)
OHM PMO File (1C/1E w/o disk)
Project File, Correspondence B.01

Attachments: 24SVE2, 24SVE13, 24SVE138, and 24SVE147 analytical data

**OHM Remediation Services Corp.**
A Subsidiary of OHM Corporation

## OHM TRANSMITTAL/DELIVERABLE RECEIPT

**CONTRACT N68711-93-D-1459** **DOCUMENT CONTROL NO: SW6942**

**TO:** Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Bozier H. Demaree, Code 02R1.BD
1220 Pacific Highway
San Diego, California 92132-5190

**Date:** 06-Jul-99

**D.O.:** 65

**Location:** MCAS EL TORO

**FROM:** Stewart Bornhoft, Program Manager — Edwin G. Bond, Contracts Manager

**DESCRIPTION OF ENCLOSURE:** *Update of SVE Analytical Results for the SVE Well Testing at Site 24, Removal and Remedial Actions at IRP Sites, dated July 1, 1999*

**TYPE:** Contract Deliverable ( ) ($) D. O. Deliverable (X) (Tech) Request for Change ( ) Other ( )

**VERSION:** N/A **REVISION:** 0

**ADMIN RECORD:** Yes ( ) No (X) Category ( ) Confidential ( )

**SCHEDULED DELIVERY DATE:** 06-Jul-99 **ACTUAL DELIVERY DATE:** 06-Jul-99

**NUMBER OF COPIES SUBMITTED TO THE NAVY:** 1/O, 3/C, 2/E
[AS REQUIRED/DIRECTED BY THE (SOW)]

**COPIES TO:**

| SWDIV | OHM | OTHER |
|---|---|---|
| Name, Code | Name, Location | Name, Company, Location |
| L. Holloway, 4EN.LLH (1C/1E) | File (1C/1E) | |
| L. Hornecker, 5BME.LH (1C/1E) | Chron (1C) | |
| G. Tinker, 05BM.GT (1C) | W. Sedlak, Irv (1C/1E) | |
| | L. Bienkowski, Irv (1C) | |

Date/Time Received: _____ / _____

Doc Class: D-03

M60050.002467
MCAS EL TORO
SSIC # 5090.3

# UPDATE OF SVE ANALYTICAL RESULTS FOR THE SVE WELL TESTING AT SITE 24

THE ABOVE REPORT WAS RECEIVED AS-IS.

QUESTIONS MAY BE DIRECTED TO:

**DIANE C. SILVA**
**RECORDS MANAGEMENT SPECIALIST**
**SOUTHWEST DIVISION**
**NAVAL FACILITIES ENGINEERING COMMAND**
**1220 PACIFIC HIGHWAY**
**SAN DIEGO, CA 92132**

**TELEPHONE: (619) 532-3676**

**Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

24SVE13 - 42 days

222536

FORM 0019 REV. 2-97

J6003301

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L. Bienkowski | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY SERVICE ID: MAF080200 | LABORATORY CONTACT: Quanteria | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: El Toro | PROJECT LOCATION: El Toro - DO 65 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 714-258-8610 | LABORATORY FAX: — | RECIPIENT NAME: Duayne Estrada |
| PROJECT CONTACT: L. Bienkowski | PROJECT PHONE NUMBER: 949-451-16666 | PROJECT FAX: — | LABORATORY ADDRESS: 1721 S. Grand | ADDRESS: 3347 Michelson | |
| PROJECT ADDRESS: — | CITY, STATE AND ZIPCODE: — | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: Santa Ana | CITY, STATE AND ZIPCODE: Irvine, CA | |
| PROJECT MANAGER: B. Sedlak | PROJECT MANAGER'S PHONE: 949-261-1661 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | 1999 Date | Time | Preserved | # of Cont. | QC Level | T.A.T | Analyses TO-14 | Analyses Contingent HOLD | Comments: Analyze X Bag First |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1123 | vapor | 6/8 | 0732 | — | 2 | 3 | 5day | X | | |
| 2 | 18708-1124 | vapor | 6/8 | 0740 | — | 3 | 3 | 5day | X | | |
| 3 | 18708-1125 | vapor | 6/8 | 0742 | — | 2 | 4 | 5day | X | | |
| 4 | 18708-1126 | vapor | 6/8 | 0747 | — | 2 | 3 | 24hr | X | | |
| 5 | 18708-1127 | vapor | 6/8 | 0752 | — | 2 | 3 | 24hr | X | X | Analyze only if 18708-1126 is detected |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |

6/10/99

| SAMPLES COLLECTED BY: | COURIER AND AIR BILL NUMBER: | COOLER TEMPERATURE UPON RECEIPT: |
|---|---|---|
| Liz Bienkowski | COURIER | |

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| Liz Bienkowski | Doug E. Estrada | 6/8/99 | 1608 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

24SVE13
42 days

| Sample Point Location | Sample Type G | C | F | QC |
|---|---|---|---|---|
| ① 24SVE13 - Ambient 42 days | | | | X |
| ② 24SVE13 - Influent 42 days | X | | | |
| ③ 24SVE13 - Influent (DUP) 42 days | | | | X |
| ④ 24SVE13 - Midpoint 42 days | X | | | |
| ⑤ 24SVE13 - Effluent 42 days | X | | | |

Comments

Sa ... eld Sample.

**IT CORPORATION**

**Client Sample ID: 18708-1123**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-001 **Work Order #...:** CWLX3102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 07:32 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167353 **Analysis Time..:** 13:25
**Dilution Factor:** 1
**Analyst ID.....:** 341569 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1123**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-001 **Work Order #...:** CWLX3102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1124**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-002 **Work Order #...:** CWLX4102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 07:40 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167353 **Analysis Time..:** 13:53
**Dilution Factor:** 100
**Analyst ID.....:** 341569 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 200 | ppb(v/v) |
| Chloromethane | ND | 400 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 200 | ppb(v/v) |
| Vinyl chloride | ND | 200 | ppb(v/v) |
| Bromomethane | ND | 200 | ppb(v/v) |
| Chloroethane | ND | 400 | ppb(v/v) |
| Trichlorofluoromethane | ND | 200 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 200 | ppb(v/v) |
| Carbon disulfide | ND | 1000 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **270** | **200** | **ppb(v/v)** |
| Acetone | ND | 1000 | ppb(v/v) |
| Methylene chloride | ND | 200 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 200 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 200 | ppb(v/v) |
| Vinyl acetate | ND | 1000 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 200 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 1000 | ppb(v/v) |
| Chloroform | ND | 200 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 200 | ppb(v/v) |
| Carbon tetrachloride | ND | 200 | ppb(v/v) |
| Benzene | ND | 200 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 200 | ppb(v/v) |
| **Trichloroethene** | **380** | **200** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 200 | ppb(v/v) |
| Bromodichloromethane | ND | 200 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 200 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 1000 | ppb(v/v) |
| Toluene | ND | 500 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 200 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 200 | ppb(v/v) |
| **Tetrachloroethene** | **9700** | **200** | **ppb(v/v)** |
| 2-Hexanone | ND | 3000 | ppb(v/v) |
| Dibromochloromethane | ND | 200 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 200 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1124**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-002 **Work Order #...:** CWLX4102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 200 | ppb (v/v) |
| Ethylbenzene | ND | 200 | ppb (v/v) |
| Xylenes (total) | ND | 200 | ppb (v/v) |
| Styrene | ND | 200 | ppb (v/v) |
| Bromoform | ND | 200 | ppb (v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 200 | ppb (v/v) |
| Benzyl chloride | ND | 1000 | ppb (v/v) |
| 4-Ethyltoluene | ND | 200 | ppb (v/v) |
| 1,3,5-Trimethylbenzene | ND | 200 | ppb (v/v) |
| 1,2,4-Trimethylbenzene | ND | 200 | ppb (v/v) |
| 1,3-Dichlorobenzene | ND | 200 | ppb (v/v) |
| 1,4-Dichlorobenzene | ND | 200 | ppb (v/v) |
| 1,2-Dichlorobenzene | ND | 200 | ppb (v/v) |
| 1,2,4-Trichlorobenzene | ND | 2000 | ppb (v/v) |
| Hexachlorobutadiene | ND | 400 | ppb (v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 1000 | ppb (v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1125**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-003 **Work Order #...:** CWLX7102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 07:42 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167353 **Analysis Time..:** 14:26
**Dilution Factor:** 50
**Analyst ID.....:** 341569 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 100 | ppb(v/v) |
| Chloromethane | ND | 200 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 100 | ppb(v/v) |
| Vinyl chloride | ND | 100 | ppb(v/v) |
| Bromomethane | ND | 100 | ppb(v/v) |
| Chloroethane | ND | 200 | ppb(v/v) |
| Trichlorofluoromethane | ND | 100 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 100 | ppb(v/v) |
| Carbon disulfide | ND | 500 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **240** | **100** | **ppb(v/v)** |
| Acetone | ND | 500 | ppb(v/v) |
| Methylene chloride | ND | 100 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 100 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 100 | ppb(v/v) |
| Vinyl acetate | ND | 500 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 100 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 500 | ppb(v/v) |
| Chloroform | ND | 100 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 100 | ppb(v/v) |
| Carbon tetrachloride | ND | 100 | ppb(v/v) |
| Benzene | ND | 100 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 100 | ppb(v/v) |
| **Trichloroethene** | **330** | **100** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 100 | ppb(v/v) |
| Bromodichloromethane | ND | 100 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 100 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 500 | ppb(v/v) |
| Toluene | ND | 250 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 100 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 100 | ppb(v/v) |
| **Tetrachloroethene** | **8100** | **100** | **ppb(v/v)** |
| 2-Hexanone | ND | 1500 | ppb(v/v) |
| Dibromochloromethane | ND | 100 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 100 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1125**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-003 **Work Order #...:** CWLX7102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 100 | ppb(v/v) |
| Ethylbenzene | ND | 100 | ppb(v/v) |
| Xylenes (total) | ND | 100 | ppb(v/v) |
| Styrene | ND | 100 | ppb(v/v) |
| Bromoform | ND | 100 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 100 | ppb(v/v) |
| Benzyl chloride | ND | 500 | ppb(v/v) |
| 4-Ethyltoluene | ND | 100 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 100 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 100 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 100 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 100 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 100 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 1000 | ppb(v/v) |
| Hexachlorobutadiene | ND | 200 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 500 | ppb(v/v) |

# Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWLX9102 OHM M9F080200-4 | Data Analyzed: | 8 Jun 99 18:24 |
| Misc. Info: | 500ml 18708-1126 TEDLAR BAG | Method: | MSA0608 |
| Data Name: | A3007.D | Shift Cali.File: | CC06081.D |
| Data Path: | D:\GCMSA-1\990606\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.06 | ND | 2.00 |
| 3) | Chloromethane | -0.02 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | 0.01 | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.01 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | | ND | 2.00 |
| 10) | Carbon Disulfide | 0.01 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | ND | 2.00 |
| 12) | Acetone | 0.02 | ND | 10.00 |
| 13) | Methylene Chloride | 0.02 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | | ND | 2.00 |
| 16) | Vinyl Acetate | 0.38 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | 0.01 | ND | 10.00 |
| 19) | Chloroform | | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | | ND | 2.00 |
| 23) | Benzene | 0.03 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.00 | ND | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.12 | ND | 10.00 |
| 32) | Toluene | -0.07 | ND | ~~2.00~~ 5.00 |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.11 | ND | 2.00 |
| 36) | Tetrachloroethene | -0.00 | 90.56 | 2.00 |
| 37) | 2-Hexanone | 0.14 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | 0.31 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.03 | ND | 2.00 |
| 43) | o-Xylene | 0.12 | ND | 2.00 |
| 44) | Styrene | 0.06 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 9'99 16:33 FR 714 258 0921 TO IT GROUP IRVINE P.03

| | | | |
|---|---|---|---|
| Sample Name: | CWLX9102 OHM M9F080200-4 | Data Analyzed: | 06/ 8/99 18:24 |
| Misc. Info: | 500ml 18708-1126 TEDLAR BAG | Method: | MSA0608 |
| Data Name: | A3007.D | Shift Cali.File: | CC06081.D |
| Data Path: | D:\GCMSA~1\990606\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.70 | ND | 2.00 |
| 48) Benzyl Chloride | 0.14 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.12 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.28 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.27 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.35 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.22 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.07 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |
| MTBE | | ND | 10.00 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 445939 | 435420 | OK | 7.59 | 7.58 | OK |
| 1,4-Difluorobenzene | 1127371 | 1056939 | OK | 9.29 | 9.28 | OK |
| Chlorobenzene-d5 | 1002297 | 933333 | OK | 14.76 | 14.58 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.15 | 102.3 |
| Toluene-d8 | 50 | 44.55 | 89.1 |
| 4-Bromofluorobenzene | 50 | 51.42 | 102.8 |

Comments:

Foot Notes:

1st Review: [illegible] 660999

2nd Review: [illegible] 0607



JUN 9'99 16:33 FR 714 258 0921 TO IT GROUP IRVINE P.04

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLXA102 OHM M9F080200-5 | **Data Analyzed:** | 8 Jun 99 19:03 |
| **Misc. Info:** | 500ml 18708-1127 TEDLAR BAG | **Method:** | MSA0608 |
| **Data Name:** | A3008.D | **Shift Call.File:** | CC06081.D |
| **Data Path:** | D:\GCMSA~1\990606\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.09 | ND | 2.00 |
| 3) | Chloromethane | -0.11 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | -0.09 | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.05 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | -0.27 | ND | 2.00 |
| 10) | Carbon Disulfide | -0.01 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | ND | 2.00 |
| 12) | Acetone | 0.02 | ND | 10.00 |
| 13) | Methylene Chloride | 0.01 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | | ND | 2.00 |
| 16) | Vinyl Acetate | 0.34 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | -0.33 | ND | 10.00 |
| 19) | Chloroform | -0.24 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | | ND | 2.00 |
| 23) | Benzene | -0.01 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.02 | ND | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | 0.45 | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.09 | ND | 10.00 |
| 32) | Toluene | -0.06 | ND | ~~2.00~~ 5.0 |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.11 | ND | 2.00 |
| 36) | Tetrachloroethene | 0.01 | 42.38 | 2.00 |
| 37) | 2-Hexanone | 0.65 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | 0.31 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.08 | ND | 2.00 |
| 43) | o-Xylene | 0.15 | ND | 2.00 |
| 44) | Styrene | 0.06 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 3 99 16:55 FR 714 258 0921 TO IT GROUP IRVINE P.05

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLXA102 OHM M9F080200-5 | **Data Analyzed:** | 06/ 8/99 19:03 |
| **Misc. Info:** | 500ml 18708-1127 TEDLAR BAG | **Method:** | MSA0608 |
| **Data Name:** | A3008.D | **Shift Cali.File:** | CC06081.D |
| **Data Path:** | D:\GCMSA~1\990606\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | | ND | 2.00 |
| 48) Benzyl Chloride | 0.04 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.29 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.15 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.27 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.17 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |
| MTBE | | ND | 10.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 445939 | 449113 | OK | 7.59 | 7.57 | OK |
| 1,4-Difluorobenzene | 1127371 | 1055016 | OK | 9.29 | 9.27 | OK |
| Chlorobenzene-d5 | 1002297 | 920653 | OK | 14.76 | 14.58 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.84 | 103.7 |
| Toluene-d8 | 50 | 43.71 | 87.4 |
| 4-Bromofluorobenzene | 50 | 51.33 | 102.7 |

Comments:

Foot Notes:

1st Review: AA 060999

2nd Review: 100600



JUN 9 99 16:33 FR 714 258 0921 TO IT GROUP IRVINE P.06

**IT CORPORATION**

**Client Sample ID: 18708-1123**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-001 **Work Order #...:** CWLX3101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 07:32 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167356 **Analysis Time..:** 13:25
**Dilution Factor:** 1
**Analyst ID.....:** 341569 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1123**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-001 **Work Order #...:** CWLX3101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1124**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-002 **Work Order #...:** CWLX4101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 07:40 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167356 **Analysis Time..:** 13:53
**Dilution Factor:** 100
**Analyst ID.....:** 341569 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.99 | ug/L |
| Chloromethane | ND | 0.82 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 1.4 | ug/L |
| Vinyl chloride | ND | 0.51 | ug/L |
| Bromomethane | ND | 0.78 | ug/L |
| Chloroethane | ND | 1.1 | ug/L |
| Trichlorofluoromethane | ND | 1.1 | ug/L |
| 1,1-Dichloroethene | ND | 0.79 | ug/L |
| Carbon disulfide | ND | 3.1 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **2.0** | **1.5** | **ug/L** |
| Acetone | ND | 2.4 | ug/L |
| Methylene chloride | ND | 0.69 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.79 | ug/L |
| 1,1-Dichloroethane | ND | 0.81 | ug/L |
| Vinyl acetate | ND | 3.5 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.79 | ug/L |
| 2-Butanone (MEK) | ND | 2.9 | ug/L |
| Chloroform | ND | 0.97 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.1 | ug/L |
| Carbon tetrachloride | ND | 1.3 | ug/L |
| Benzene | ND | 0.64 | ug/L |
| 1,2-Dichloroethane | ND | 0.81 | ug/L |
| **Trichloroethene** | **2.1** | **1.1** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.92 | ug/L |
| Bromodichloromethane | ND | 1.3 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.91 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 4.1 | ug/L |
| Toluene | ND | 1.9 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.91 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.1 | ug/L |
| **Tetrachloroethene** | **66** | **1.4** | **ug/L** |
| 2-Hexanone | ND | 12 | ug/L |
| Dibromochloromethane | ND | 1.7 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 1.5 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1124**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-002 **Work Order #...:** CWLX4101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.92 | ug/L |
| Ethylbenzene | ND | 0.87 | ug/L |
| Xylenes (total) | ND | 0.87 | ug/L |
| Styrene | ND | 0.85 | ug/L |
| Bromoform | ND | 2.1 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.4 | ug/L |
| Benzyl chloride | ND | 5.2 | ug/L |
| 4-Ethyltoluene | ND | 0.98 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.98 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.98 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 15 | ug/L |
| Hexachlorobutadiene | ND | 4.3 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 3.6 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1125**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-003 **Work Order #...:** CWLX7101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 07:42 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167356 **Analysis Time..:** 14:26
**Dilution Factor:** 50
**Analyst ID.....:** 341569 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.50 | ug/L |
| Chloromethane | ND | 0.41 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.70 | ug/L |
| Vinyl chloride | ND | 0.26 | ug/L |
| Bromomethane | ND | 0.39 | ug/L |
| Chloroethane | ND | 0.55 | ug/L |
| Trichlorofluoromethane | ND | 0.55 | ug/L |
| 1,1-Dichloroethene | ND | 0.40 | ug/L |
| Carbon disulfide | ND | 1.6 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **1.8** | **0.75** | **ug/L** |
| Acetone | ND | 1.2 | ug/L |
| Methylene chloride | ND | 0.34 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.40 | ug/L |
| 1,1-Dichloroethane | ND | 0.40 | ug/L |
| Vinyl acetate | ND | 1.8 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.40 | ug/L |
| 2-Butanone (MEK) | ND | 1.4 | ug/L |
| Chloroform | ND | 0.48 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.55 | ug/L |
| Carbon tetrachloride | ND | 0.65 | ug/L |
| Benzene | ND | 0.32 | ug/L |
| 1,2-Dichloroethane | ND | 0.40 | ug/L |
| **Trichloroethene** | **1.8** | **0.55** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.46 | ug/L |
| Bromodichloromethane | ND | 0.65 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.46 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.0 | ug/L |
| Toluene | ND | 0.94 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.46 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.55 | ug/L |
| **Tetrachloroethene** | **55** | **0.70** | **ug/L** |
| 2-Hexanone | ND | 6.0 | ug/L |
| Dibromochloromethane | ND | 0.85 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.75 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1125**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080200-003 **Work Order #...:** CWLX7101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.46 | ug/L |
| Ethylbenzene | ND | 0.44 | ug/L |
| Xylenes (total) | ND | 0.44 | ug/L |
| Styrene | ND | 0.42 | ug/L |
| Bromoform | ND | 1.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.70 | ug/L |
| Benzyl chloride | ND | 2.6 | ug/L |
| 4-Ethyltoluene | ND | 0.49 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.49 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.49 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.60 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.60 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.60 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 7.5 | ug/L |
| Hexachlorobutadiene | ND | 2.2 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 1.8 | ug/L |

**IT CORPORATION**

**18708-1125**

**GC/MS Volatiles**

**Lot-Sample #:** M9F080200-003 **Work Order #:** CWLX7102 **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | RETENTION TIME | UNITS |
|---|---|---|---|---|
| None | | | | ppb (v/v) |

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLX9102 OHM M9F080200-4 | **Data Analyzed:** | 8 Jun 99 18:24 |
| **Misc. Info:** | 500ml 18708-1126 TEDLAR BAG | **Method:** | MSA0608 |
| **Data Name:** | A3007.D | **Shift Cali.File:** | CC06081.D |
| **Data Path:** | D:\GCMSA-1\990606\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.06 | ND | 0.0099 |
| 3) | Chloromethane | -0.02 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethane | 0.01 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | | ND | 0.0079 |
| 10) | Carbon Disulfide | 0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | ND | 0.0153 |
| 12) | Acetone | 0.02 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.02 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.38 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.01 | ND | 0.0294 |
| 19) | Chloroform | | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | | ND | 0.0126 |
| 23) | Benzene | 0.03 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.00 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.12 | ND | 0.0409 |
| 32) | Toluene | -0.07 | ND | ~~0.0075~~ 0.019 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.11 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.00 | 0.6130 | 0.0135 |
| 37) | 2-Hexanone | 0.14 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.31 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.03 | ND | 0.0087 |
| 43) | o-Xylene | 0.12 | ND | 0.0087 |
| 44) | Styrene | 0.06 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 9'99 16:34 FR 714 258 0921 TO IT GROUP IRVINE P.07

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLX9102 OHM M9F080200-4 | **Data Analyzed:** | 06/ 8/99 18:24 |
| **Misc. Info:** | 500ml 18708-1126 TEDLAR BAG | **Method:** | MSA0608 |
| **Data Name:** | A3007.D | **Shift Cali.File:** | CC06081.D |
| **Data Path:** | D:\GCMSA~1\990606\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.70 | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.14 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.12 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.28 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.27 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.35 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.22 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.07 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 445939 | 435420 | OK | 7.59 | 7.58 | OK |
| 1,4-Diffuorobenzene | 1127371 | 1056939 | OK | 9.29 | 9.28 | OK |
| Chlorobenzene-d5 | 1002297 | 933333 | OK | 14.76 | 14.58 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.15 | 102.3 |
| Toluene-d8 | 50 | 44.56 | 89.1 |
| 4-Bromofluorobenzene | 50 | 51.42 | 102.8 |

Comments:

Foot Notes:

1st Review: [illegible] 060999 2nd Review 10 06 00



JUN 9 99 12:04 PM 714 258 0921 TO 11 GROUP IRVINE P.08

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLXA102 OHM M9F080200-5 | **Data Analyzed:** | 8 Jun 99 19:03 |
| **Misc. Info:** | 500ml 18708-1127 TEDLAR BAG | **Method:** | MSA0608 |
| **Data Name:** | A3008.D | **Shift Cali.File:** | CC06081.D |
| **Data Path:** | D:\GCMSA~1\990606\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.09 | ND | 0.0099 |
| 3) | Chloromethane | -0.11 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethane | -0.09 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.05 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.27 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | ND | 0.0153 |
| 12) | Acetone | 0.02 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.34 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | -0.33 | ND | 0.0294 |
| 19) | Chloroform | -0.24 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | | ND | 0.0126 |
| 23) | Benzene | -0.01 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.02 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | 0.45 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.09 | ND | 0.0409 |
| 32) | Toluene | -0.06 | ND | ~~0.0975~~ 0.019 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.11 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.01 | 0.2869 | 0.0135 |
| 37) | 2-Hexanone | 0.65 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.31 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.08 | ND | 0.0087 |
| 43) | o-Xylene | 0.15 | ND | 0.0087 |
| 44) | Styrene | 0.06 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLXA102 OHM M9F080200-5 | **Data Analyzed:** | 06/ 8/99 19:03 |
| **Misc. Info:** | 500ml 18708-1127 TEDLAR BAG | **Method:** | MSA0608 |
| **Data Name:** | A3008.D | **Shift Call.File:** | CC06081.D |
| **Data Path:** | D:\GCMSA~1\990606\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.04 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.29 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.15 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.27 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.17 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 445939 | 449113 | OK | 7.59 | 7.57 | OK |
| 1,4-Difluorobenzene | 1127371 | 1056016 | OK | 9.29 | 9.27 | OK |
| Chlorobenzene-d5 | 1002297 | 920653 | OK | 14.76 | 14.58 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.84 | 103.7 |
| Toluene-d8 | 50 | 43.71 | 87.4 |
| 4-Bromofluorobenzene | 50 | 51.33 | 102.7 |

Comments:

Foot Notes:

1st Review: AA 06 0999 2nd Review 06 0609

D HI M

**OHM Remediation Services Corp**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY
222556

245VL13 - 49 DAYS

FORM 0019 REV. 2-87

| | | | | | |
|---|---|---|---|---|---|
| OHM LAB COORDINATOR: L. BIENKOWSKI | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY ADDRESS: | LABORATORY CONTACT: QUANTERRA | MAIL REPORT COMPANY NAME: IT GROUP |
| PROJECT NAME: EL TORO | PROJECT LOCATION: EL TORO - DO65 | PROJECT NUMBER: | LABORATORY PHONE: 949-580-1021 | LABORATORY FAX: | LABORATORY NAME: QUANTERRA ISMOA |
| PROJECT CONTACT: L. BIENKOWSKI | PROJECT PHONE NUMBER: | PROJECT FAX: | LABORATORY ADDRESS: 1721 GRAND AVE | | ADDRESS: 3347 MICHELSON STE 200 |
| PROJECT ADDRESS: | CITY, STATE AND ZIP CODE: | CLIENT: SUNOIV | CITY, STATE AND ZIP CODE: SANTA ANA | | CITY, STATE AND ZIP CODE: IRVINE CA |
| PROJECT MANAGER: BILL SEDLAK | PROJECT MANAGER'S PHONE: 949-261-6441 | PROJECT MANAGER'S FAX: | | | |

| Item | Sample Identifier | Matrix | Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses 70-79 | Analyses 80-89 | | | | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1173 | WAR | 6-15 | 0845 | – | 2 | III | 50A | X | | | | | | | | |
| 2 | 18708-1174 | WAR | 6-15 | 0850 | – | 3 | III | 50A | X | | | | | | | | |
| 3 | 18708-1175 | WAR | 6-15 | 0855 | – | 2 | III | 24H | X | | | | | | | | |
| 4 | 18708-1176 | WAR | 6-15 | 0900 | – | 2 | III | 24H | X | | X | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

SAMPLED (FIELD) BY: C. PARRISH
COURIER AND AIR BILL NUMBER: COURIER
DECLARE TOXIC/HAZARDOUS MATERIALS:
RELINQUISHED BY: Carl Sonnad
RECEIVED BY:
DATE: 6-15-97
TIME:
SAMPLE'S CONDITION UPON RECEIPT:

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

245VL13-49 DAYS

| Sample Point Location | Sample Type G | C | P | QC |
|---|---|---|---|---|
| 1. 245VL13 - AMBIENT 49 DAYS | X | | | X |
| 2. 245VL13 - MID-EFFLUENT 49 DAYS | X | | | |
| 3. 245VL13 - MID 49 DAYS | X | | | |
| 4. 245VL13 - EFFLUENT 49 DAYS | X | | | |

Comments:

Sample Type: G - Grab, C - Composite, P - Field Sample, QC - Quality Control Sample

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPM102 OHM M9F150208-1 | **Data Analyzed:** | 15 Jun 99 20:37 |
| **Misc. Info:** | 500 ml 18708-1173 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2005.D | **Shift Cali.File:** | CC06151.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.11 | ND | 2.00 |
| 3) Chloromethane | -0.06 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | -0.02 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | 0.01 | ND | 2.00 |
| 9) 1,1-Dichloroethane | -0.24 | ND | 2.00 |
| 10) Carbon Disulfide | 0.01 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | ND | 2.00 |
| 12) Acetone | 0.00 | ND | 10.00 |
| 13) Methylene Chloride | -0.00 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | -0.49 | ND | 2.00 |
| 16) Vinyl Acetate | -0.34 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | -0.07 | ND | 10.00 |
| 19) Chloroform | 0.34 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | -0.03 | ND | 2.00 |
| 21) Carbon Tetrachloride | -0.02 | ND | 2.00 |
| 23) Benzene | -0.17 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | | ND | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | -0.62 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | -0.13 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.13 | ND | 10.00 |
| 32) Toluene | -0.09 | ND | ~~2.00~~ 5.0 |
| 34) t-1,3-Dichloropropene | | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | | ND | 2.00 |
| 36) Tetrachloroethene | 0.03 | ND | 2.00 |
| 37) 2-Hexanone | 0.01 | ND | 30.00 |
| 38) Dibromochloromethane | -0.47 | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | 0.02 | ND | 2.00 |
| 42) p,&m-Xylene | 0.00 | ND | 2.00 |
| 43) o-Xylene | 0.01 | ND | 2.00 |
| 44) Styrene | 0.06 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 16'99 16:05 FR 714 258 0921 TO IT GROUP IRVINE P.03

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPM102 OHM M9F150208-1 | **Data Analyzed:** | 06/15/99 20:37 |
| **Misc. Info:** | 500 ml 18708-1173 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2005.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.30 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.22 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.02 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.06 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | -0.04 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.31 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.10 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.41 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.04 | ND | 20.00 |
| 56) | Hexachlorobutadiene | 0.23 | ND | 4.00 |

MTBE ND 10.

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 221267 | OK | 7.01 | 7.13 | OK |
| 1,4-Difluorobenzene | 1063297 | 953656 | OK | 8.65 | 8.79 | OK |
| Chlorobenzene-d5 | 583827 | 506969 | OK | 13.99 | 13.96 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.64 | 105.3 |
| Toluene-d8 | 50 | 42.61 | 85.2 |
| 4-Bromofluorobenzene | 50 | 52.17 | 104.3 |

Comments:

Foot Notes:

1st Review: JD 06/16/99 2nd Review: PN 6/16/99



JUN 16'99 16:05 FR 714 258 0921 TO IT GROUP IRVINE P.04

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPN001 OHM M9F150208-2 | **Data Analyzed:** | 15 Jun 99 21:08 |
| **Misc. Info:** | 10 ml 18708-1174 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2006.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 50 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | 0.02 | ND | 100.00 |
| 3) Chloromethane | | ND | 200.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 100.00 |
| 5) Vinyl Chloride | | ND | 100.00 |
| 6) Bromomethane | -0.05 | ND | 100.00 |
| 7) Chloroethane | 0.02 | ND | 200.00 |
| 8) Trichlorofluoromethane (11) | | ND | 100.00 |
| 9) 1,1-Dichloroethene | 0.01 | ND | 100.00 |
| 10) Carbon Disulfide | 0.04 | ND | 500.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | 212.67 | 100.00 |
| 12) Acetone | 0.07 | ND | 500.00 |
| 13) Methylene Chloride | -0.51 | ND | 100.00 |
| 14) t-1,2-Dichloroethene | | ND | 100.00 |
| 15) 1,1-Dichloroethane | | ND | 100.00 |
| 16) Vinyl Acetate | -0.04 | ND | 500.00 |
| 17) c-1,2-Dichloroethene | | ND | 100.00 |
| 18) 2-Butanone | -0.10 | ND | 500.00 |
| 19) Chloroform | -0.06 | ND | 100.00 |
| 20) 1,1,1-Trichloroethane | | ND | 100.00 |
| 21) Carbon Tetrachloride | 0.02 | ND | 100.00 |
| 23) Benzene | -0.02 | ND | 100.00 |
| 25) 1,2-Dichloroethane | | ND | 100.00 |
| 26) Trichloroethene | 0.01 | 362.23 | 100.00 |
| 27) 1,2-Dichloropropane | | ND | 100.00 |
| 28) Bromodichloromethane | | ND | 100.00 |
| 29) c-1,3-Dichloropropene | | ND | 100.00 |
| 30) 4-Methyl-2-Pentanone | -0.07 | ND | 500.00 |
| 32) Toluene | 0.02 | ND | ~~100.00~~ 250. |
| 34) t-1,3-Dichloropropene | | ND | 100.00 |
| 35) 1,1,2-Trichloroethane | 0.20 | ND | 100.00 |
| 36) Tetrachloroethene | 0.04 | 5992.92 | 100.00 |
| 37) 2-Hexanone | | ND | 1500.00 |
| 38) Dibromochloromethane | | ND | 100.00 |
| 39) 1,2-Dibromoethane | | ND | 100.00 |
| 40) Chlorobenzene | | ND | 100.00 |
| 41) Ethylbenzene | -0.44 | ND | 100.00 |
| 42) p,&m-Xylene | | ND | 100.00 |
| 43) o-Xylene | | ND | 100.00 |
| 44) Styrene | | ND | 100.00 |
| 45) Bromoform | | ND | 100.00 |



JUN 16'99 16:05 FR 714 258 0921 TO IT GROUP IRVINE P.05

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPN001 OHM M9F150208-2 | **Data Analyzed:** | 06/15/99 21:08 |
| **Misc. Info:** | 10 ml 18708-1174 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2006.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 50 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 100.00 |
| 48) | Benzyl Chloride | | ND | 500.00 |
| 49) | 4-Ethyl Toluene | | ND | 100.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.01 | ND | 100.00 |
| 51) | 1,2,4-Trimethylbenzene | -0.04 | ND | 100.00 |
| 52) | 1,3-Dichlorobenzene | | ND | 100.00 |
| 53) | 1,4-Dichlorobenzene | | ND | 100.00 |
| 54) | 1,2-Dichlorobenzene | -0.13 | ND | 100.00 |
| 55) | 1,2,4-Trichlorobenzene | -0.16 | ND | 1000.00 |
| 56) | Hexachlorobutadiene | | ND | 200.00 |
| | MTBE | | ND | 500 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 267027 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1032185 | OK | 8.65 | 8.76 | OK |
| Chlorobenzene-d5 | 583827 | 550763 | OK | 13.99 | 14.06 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 54.37 | 108.7 |
| Toluene-d8 | 50 | 48.25 | 96.5 |
| 4-Bromofluorobenzene | 50 | 45.97 | 91.9 |

Comments:

Foot Notes:

1st Review: AO 061699

2nd Review: PH 6/16/99



JUN 16'99 16:05 FR 714 258 0921 TO IT GROUP IRVINE P.06

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPP102 OHM M9F150208-3 | **Data Analyzed:** | 15 Jun 99 17:05 |
| **Misc. Info:** | 500 ml 18708-1175 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2000.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.09 | ND | 2.00 |
| 3) Chloromethane | -0.06 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | -0.02 | ND | 2.00 |
| 5) Vinyl Chloride | -0.12 | ND | 2.00 |
| 6) Bromomethane | | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.01 | ND | 2.00 |
| 9) 1,1-Dichloroethene | | ND | 2.00 |
| 10) Carbon Disulfide | 0.00 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 2.00 |
| 12) Acetone | 0.04 | ND | 10.00 |
| 13) Methylene Chloride | -0.00 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | 0.31 | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | -0.49 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | 0.06 | ND | 10.00 |
| 19) Chloroform | -0.00 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | -0.06 | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.00 | ND | 2.00 |
| 23) Benzene | 0.03 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | -0.01 | ND | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | 0.28 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | -0.47 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.12 | ND | 10.00 |
| 32) Toluene | -0.08 | ND | ~~2.00~~ 5. |
| 34) t-1,3-Dichloropropene | | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | 0.17 | ND | 2.00 |
| 36) Tetrachloroethene | 0.03 | 54.92 | 2.00 |
| 37) 2-Hexanone | -0.23 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | 0.04 | ND | 2.00 |
| 42) p,&m-Xylene | -0.01 | ND | 2.00 |
| 43) o-Xylene | -0.00 | ND | 2.00 |
| 44) Styrene | -0.00 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 16'99 16:06 FR 714 258 0921 TO IT GROUP IRVINE P.07

| | | | |
|---|---|---|---|
| Sample Name: | CWWPP102 OHM M9F150208-3 | Data Analyzed: | 06/15/99 17:05 |
| Misc. Info: | 500 ml 18708-1175 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2000.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.04 | ND | 2.00 |
| 48) Benzyl Chloride | 0.13 | ND | 10.00 |
| 49) 4-Ethyl Toluene | -0.02 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.01 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.04 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.25 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.04 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | 0.09 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.10 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |

MTBE ND 10

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 268951 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1161281 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 541401 | OK | 13.99 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.45 | 98.9 |
| Toluene-d8 | 50 | 41.91 | 83.8 |
| 4-Bromofluorobenzene | 50 | 51.25 | 102.5 |

Comments:

Foot Notes:

1st Review: AD 061699 2nd Review: PN 6/16/99



JUN 16'99 16:06 FR 714 258 0921 TO IT GROUP IRVINE P.08

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWWPQ102 OHM M9F150208-4 | Data Analyzed: | 15 Jun 99 20:08 |
| Misc. Info: | 500 ml 18708-1176 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2004.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.06 | ND | 2.00 |
| 3) Chloromethane | -0.03 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | -0.04 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.01 | ND | 2.00 |
| 9) 1,1-Dichloroethene | -0.25 | ND | 2.00 |
| 10) Carbon Disulfide | -0.01 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 2.00 |
| 12) Acetone | 0.04 | ND | 10.00 |
| 13) Methylene Chloride | 0.01 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | -0.48 | ND | 2.00 |
| 15) 1,1-Dichloroethane | 0.07 | ND | 2.00 |
| 16) Vinyl Acetate | -0.01 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | -0.05 | ND | 2.00 |
| 18) 2-Butanone | -0.05 | ND | 10.00 |
| 19) Chloroform | | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | -0.01 | ND | 2.00 |
| 21) Carbon Tetrachloride | | ND | 2.00 |
| 23) Benzene | 0.03 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | -0.00 | ND | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | -0.09 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | 0.19 | ND | 10.00 |
| 32) Toluene | -0.09 | ND | ~~2.00~~ 5. |
| 34) t-1,3-Dichloropropene | -0.23 | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | 0.12 | ND | 2.00 |
| 36) Tetrachloroethene | 0.04 | 15.44 | 2.00 |
| 37) 2-Hexanone | -0.24 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | 0.00 | ND | 2.00 |
| 42) p,&m-Xylene | 0.01 | ND | 2.00 |
| 43) o-Xylene | 0.00 | ND | 2.00 |
| 44) Styrene | 0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 16'99 16:06 FR 714 258 0921 TO IT GROUP IRVINE P.09

| | | | |
|---|---|---|---|
| Sample Name: | CWWPQ102 OHM M9F150208-4 | Data Analyzed: | 06/15/99 20:08 |
| Misc. Info: | 500 ml 18708-1176 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2004.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.06 | ND | 2.00 |
| 48) Benzyl Chloride | -0.02 | ND | 10.00 |
| 49) 4-Ethyl Toluene | -0.04 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.08 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | -0.04 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.31 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.10 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | 0.04 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.15 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |

MTBE ND 10.

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 262014 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1142071 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 505721 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.75 | 103.5 |
| Toluene-d8 | 50 | 35.58 | 71.2 |
| 4-Bromofluorobenzene | 50 | 50.57 | 101.1 |

Comments:

Foot Notes:

1st Review: 10061699 2nd Review: PN 6/16/99



JUN 16'99 16:06 FR 714 258 0921 TO IT GROUP IRVINE P.10

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPM102 OHM M9F150208-1 | **Data Analyzed:** | 15 Jun 99 20:37 |
| **Misc. Info:** | 500 ml 18708-1173 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2005.D | **Shift Cali.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.11 | ND | 0.0099 |
| 3) | Chloromethan | -0.06 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.02 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | 0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.24 | ND | 0.0079 |
| 10) | Carbon Disulfide | 0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | ND | 0.0153 |
| 12) | Acetone | 0.00 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.00 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.49 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.34 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | -0.07 | ND | 0.0294 |
| 19) | Chloroform | 0.34 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | -0.03 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.02 | ND | 0.0126 |
| 23) | Benzene | -0.17 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.62 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.13 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.13 | ND | 0.0409 |
| 32) | Toluene | -0.09 | ND | ~~0.0075~~ 0.0166 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.03 | ND | 0.0135 |
| 37) | 2-Hexanone | 0.01 | ND | 0.1226 |
| 38) | Dibromochloromethane | -0.47 | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.02 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.00 | ND | 0.0087 |
| 43) | o-Xylene | 0.01 | ND | 0.0087 |
| 44) | Styrene | 0.06 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 16:07 FR 714 258 0921 TO IT GROUP IRVINE P.11

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPM102 OHM M9F150208-1 | **Data Analyzed:** | 06/15/99 20:37 |
| **Misc. Info:** | 500 ml 18708-1173 TEDLAR B | **Method:** | MSB0615 |
| **Data Name:** | B2005.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.30 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.22 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.02 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.06 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | -0.04 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.31 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.10 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.41 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.04 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | 0.23 | ND | 0.0426 |

MTBE ND 0.0360

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 221267 | OK | 7.01 | 7.13 | OK |
| 1,4-Difluorobenzene | 1063297 | 953656 | OK | 8.65 | 8.79 | OK |
| Chlorobenzene-d5 | 583827 | 506969 | OK | 13.99 | 13.96 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.64 | 105.3 |
| Toluene-d8 | 50 | 42.61 | 85.2 |
| 4-Bromofluorobenzene | 50 | 52.17 | 104.3 |

Comments:

Foot Notes:

1st Review: JO 0616 2nd Review PAr 6/16/99



JUN 16'99 16:07 FR 714 258 0921 TO IT GROUP IRVINE P.12

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPN001 OHM M9F150208-2 | **Data Analyzed:** | 15 Jun 99 21:08 |
| **Misc. Info:** | 10 ml 18708-1174 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2006.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 50 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) | |
|---|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | 0.02 | ND | 0.4935 | |
| 3) | Chloromethan | | ND | 0.4122 | |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.6976 | |
| 5) | Vinyl Chloride | | ND | 0.2551 | |
| 6) | Bromomethan | -0.05 | ND | 0.3875 | |
| 7) | Chloroethane | 0.02 | ND | 0.5266 | |
| 8) | Trichlorofluoromethane (11) | | ND | 0.5607 | |
| 9) | 1,1-Dichloroethene | 0.01 | ND | 0.3957 | |
| 10) | Carbon Disulfide | 0.04 | ND | 1.5540 | |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | 1.6265 | 0.7648 | |
| 12) | Acetone | 0.07 | ND | 1.1855 | |
| 13) | Methylene Chloride | -0.51 | ND | 0.3467 | |
| 14) | t-1,2-Dichloroethene | | ND | 0.3957 | |
| 15) | 1,1-Dichloroethane | | ND | 0.4039 | |
| 16) | Vinyl Acetate | -0.04 | ND | 1.7570 | |
| 17) | c-1,2-Dichloroethene | | ND | 0.3957 | |
| 18) | 2-Butanone | -0.10 | ND | 1.4715 | |
| 19) | Chloroform | -0.06 | ND | 0.4873 | |
| 20) | 1,1,1-Trichloroethane | | ND | 0.5445 | |
| 21) | Carbon Tetrachloride | 0.02 | ND | 0.6278 | |
| 23) | Benzene | -0.02 | ND | 0.3188 | |
| 25) | 1,2-Dichloroethane | | ND | 0.4039 | |
| 26) | Trichloroethene | 0.01 | 1.9427 | 0.5363 | |
| 27) | 1,2-Dichloropropane | | ND | 0.4612 | |
| 28) | Bromodichloromethane | | ND | 0.6687 | |
| 29) | c-1,3-Dichloropropene | | ND | 0.4529 | |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 2.0440 | |
| 32) | Toluene | 0.02 | ND | ~~0.3761~~ | 0.940 |
| 34) | t-1,3-Dichloropropene | | ND | 0.4529 | |
| 35) | 1,1,2-Trichloroethane | 0.20 | ND | 0.5445 | |
| 36) | Tetrachloroethene | 0.04 | 40.5661 | 0.6769 | |
| 37) | 2-Hexanone | | ND | 6.1320 | |
| 38) | Dibromochloromethane | | ND | 0.8502 | |
| 39) | 1,2-Dibromoethane | | ND | 0.7668 | |
| 40) | Chlorobenzene | | ND | 0.4594 | |
| 41) | Ethylbenzene | -0.44 | ND | 0.4333 | |
| 42) | p,&m-Xylene | | ND | 0.4333 | |
| 43) | o-Xylene | | ND | 0.4333 | |
| 44) | Styrene | | ND | 0.4251 | |
| 45) | Bromoform | | ND | 1.0316 | |



JUN 16'99 16:07 FR 714 258 0921 TO IT GROUP IRVINE P.13

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPN001 OHM M9F150208-2 | **Data Analyzed:** | 06/15/99 21:08 |
| **Misc. Info:** | 10 ml 18708-1174 TEDLAR BA | **Method:** | MSB0615 |
| **Data Name:** | B2006.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 50 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 0.6851 |
| 48) | Benzyl Chloride | | ND | 2.5880 |
| 49) | 4-Ethyl Toluene | | ND | 0.4906 |
| 50) | 1,3,5-Trimethylbenzene | 0.01 | ND | 0.4906 |
| 51) | 1,2,4-Trimethylbenzene | -0.04 | ND | 0.4906 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.6000 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.6000 |
| 54) | 1,2-Dichlorobenzene | -0.13 | ND | 0.6000 |
| 55) | 1,2,4-Trichlorobenzene | -0.16 | ND | 7.4060 |
| 56) | Hexachlorobutadiene | | ND | 2.1286 |

MTBE ND 1.80

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 267027 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1032185 | OK | 8.65 | 8.76 | OK |
| Chlorobenzene-d5 | 583827 | 550763 | OK | 13.99 | 14.06 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 54.37 | 108.7 |
| Toluene-d8 | 50 | 48.25 | 96.5 |
| 4-Bromofluorobenzene | 50 | 45.97 | 91.9 |

Comments:

Foot Notes:

1st Review: 100616 2nd Review PN 6/16/99



JUN 16'99 16:07 FR 714 258 0921 TO IT GROUP IRVINE P.14

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPP102 OHM M9F150208-3 | **Data Analyzed:** | 15 Jun 99 17:05 |
| **Misc. Info:** | 500 ml 18708-1175 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2000.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.09 | ND | 0.0099 |
| 3) | Chloromethan | -0.06 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.02 | ND | 0.0140 |
| 5) | Vinyl Chloride | -0.12 | ND | 0.0051 |
| 6) | Bromomethan | | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | | ND | 0.0079 |
| 10) | Carbon Disulfide | 0.00 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 0.0153 |
| 12) | Acetone | 0.04 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.00 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | 0.31 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.49 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.06 | ND | 0.0294 |
| 19) | Chloroform | -0.00 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | -0.06 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.00 | ND | 0.0126 |
| 23) | Benzene | 0.03 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.01 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | 0.28 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.47 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.12 | ND | 0.0409 |
| 32) | Toluene | -0.08 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.17 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.03 | 0.3718 | 0.0135 |
| 37) | 2-Hexanone | -0.23 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.04 | ND | 0.0087 |
| 42) | p,&m-Xylene | -0.01 | ND | 0.0087 |
| 43) | o-Xylene | -0.00 | ND | 0.0087 |
| 44) | Styrene | -0.00 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 16:08 FR 714 258 0921 TO IT GROUP IRVINE P.15

| | | | |
|---|---|---|---|
| Sample Name: | CWWPP102 OHM M9F150208-3 | Data Analyzed: | 06/15/99 17:05 |
| Misc. Info: | 500 ml 18708-1175 TEDLAR B | Method: | MSB0615 |
| Data Name: | B2000.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.04 | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.13 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | -0.02 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.01 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.04 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.25 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.04 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | 0.09 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.10 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |

MTBE ND 0.0360

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 268951 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1161281 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 541401 | OK | 13.99 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.45 | 98.9 |
| Toluene-d8 | 50 | 41.91 | 83.8 |
| 4-Bromofluorobenzene | 50 | 51.25 | 102.5 |

Comments:

Foot Notes:

1st Review: AO 0666 2nd Review PN 6/16/99



JUN 16'99 16:08 FR 714 258 0921 TO IT GROUP IRVINE P.16

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPQ102 OHM M9F150208-4 | **Data Analyzed:** | 15 Jun 99 20:08 |
| **Misc. Info:** | 500 ml 18708-1176 TEDLAR BAG | **Method:** | MSB0615 |
| **Data Name:** | B2004.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.06 | ND | 0.0099 |
| 3) | Chloromethan | -0.03 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.04 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.25 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 0.0153 |
| 12) | Acetone | 0.04 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | -0.48 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | 0.07 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.01 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | -0.05 | ND | 0.0079 |
| 18) | 2-Butanone | -0.05 | ND | 0.0284 |
| 19) | Chloroform | | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | -0.01 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | | ND | 0.0126 |
| 23) | Benzene | 0.03 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.00 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.09 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | 0.19 | ND | 0.0409 |
| 32) | Toluene | -0.09 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | -0.23 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.12 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.04 | 0.1045 | 0.0135 |
| 37) | 2-Hexanone | -0.24 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.00 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0087 |
| 43) | o-Xylene | 0.00 | ND | 0.0087 |
| 44) | Styrene | 0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 16:08 FR 714 258 0921 TO IT GROUP IRVINE P.17

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPQ102 OHM M9F150208-4 | **Data Analyzed:** | 06/15/99 20:08 |
| **Misc. Info:** | 500 ml 18708-1176 TEDLAR B | **Method:** | MSB0615 |
| **Data Name:** | B2004.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.06 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.02 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | -0.04 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.08 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | -0.04 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.31 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.10 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | 0.04 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.15 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |

MTBE ND 0.0360

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 262014 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1142071 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 505721 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.75 | 103.5 |
| Toluene-d8 | 50 | 35.58 | 71.2 |
| 4-Bromofluorobenzene | 50 | 50.57 | 101.1 |

Comments:

Foot Notes:

1st Review: NO 0616 2nd Review PN 6/16/99

**OHM Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
218441
FORM 0019 REV. 2-97

24SVE 2 - 42 DAY

| OHM's LAB COORDINATOR | LAB COORDINATOR'S PHONE | LAB COORDINATOR'S FAX | LABORATORY SERVICE ID | LABORATORY CONTACT | MAIL REPORT (COMPANY NAME) |
|---|---|---|---|---|---|
| L BIERKOWSKI | 949-660-7537 | 949-475-5433 | MAF030217 | QUANTIPRA | IT |

| PROJECT NAME | PROJECT LOCATION | PROJECT NUMBER | LABORATORY PHONE | LABORATORY FAX | RECIPIENT NAME |
|---|---|---|---|---|---|
| EL TORO - DOGS | EL TORO - 24SVE 2 | 18708 | 714-258-8610 | | DWAYNE ISHIDA |

| PROJECT CONTACT | PROJECT PHONE NUMBER | PROJECT FAX | LABORATORY ADDRESS | ADDRESS |
|---|---|---|---|---|
| — | — | — | 1721 GRAND AVE | 3347 MICHELSON |

| PROJECT ADDRESS | CITY, STATE AND ZIPCODE | CLIENT | CITY, STATE AND ZIPCODE | CITY, STATE, AND ZIPCODE |
|---|---|---|---|---|
| — | — | SWDIV | SWTA PNA, CA | IRVINE, CA. |

| PROJECT MANAGER | PROJECT MANAGER'S PHONE | PROJECT MANAGER'S FAX |
|---|---|---|
| B. SEDLAR | 949-261-6441 | |

WAS-06003301

| Item | Sample Identifier | Matrix | Date 1999 | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses TO-14 CONTINGENT-MAD | | | | | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | ANALYZE A PAG FIRST |
| 1 | 18708-1118 | VAPOR | C-3 | 0800 | — | 2 | III | 5DA | X | | | | | | | | |
| 2 | 18708-1119 | VAPOR | C-3 | 0805 | — | 3 | III | 5DA | X | | | | | | | | |
| 3 | 18708-1120 | VAPOR | C-3 | 0810 | — | 3 | III | 5DA | X | | | | | | | | |
| 4 | 18708-1121 | VAPOR | C-3 | 0815 | — | 2 | III | 24HR | X | | | | | | | | |
| 5 | 18708-1122 | VAPOR | C-3 | 0820 | — | 2 | III | 24HR | X | X | | | | | | | ANALYZE ONLY IF 18708-1101 IS DETECTED |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

SAMPLES COLLECTED BY: C. PARRISH
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| [illegible] | [illegible] | 6-3-99 | 1:45 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

24SVE 2
42DAY

| Sample Point Location | Sample Type G | C | F | Q |
|---|---|---|---|---|
| 1. ~~SVE~~ 24SVE 2 - AMB | X | | | X |
| 2 24SVE 2 - INF | X | | | |
| 3. 24SVE 2 - INF DUP | X | | | |
| 4. 24SVE 2 - MID | X | | | |
| 5. 24SVE 2 - EFF | X | | | |

DV
inf, inf dup, midpoint, eff.

F - Field Sample.
ple

34196076

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV0102 OHM M9F030217-1 | **Data Analyzed:** | 3 Jun 99 17:32 |
| **Misc. Info:** | 500mL 18708-1118 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1919.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.05 | ND | 2.00 |
| 3) Chloromethane | 0.01 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | -0.03 | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | 0.37 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.00 | ND | 2.00 |
| 9) 1,1-Dichloroethene | 0.14 | ND | 2.00 |
| 10) Carbon Disulfide | -0.01 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.02 | ND | 2.00 |
| 12) Acetone | 0.03 | ND | 10.00 |
| 13) Methylene Chloride | 0.01 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | 0.39 | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | 0.15 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | 0.03 | ND | 10.00 |
| 19) Chloroform | 0.13 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | 0.06 | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.03 | ND | 2.00 |
| 23) Benzene | 0.00 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | | ND | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | 0.11 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | -0.22 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.03 | ND | 10.00 |
| 32) Toluene | -0.07 | ND | ~~2.00~~ S.D |
| 34) t-1,3-Dichloropropene | 0.07 | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | -0.06 | ND | 2.00 |
| 36) Tetrachloroethene | -0.03 | ND | 2.00 |
| 37) 2-Hexanone | -0.26 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | 0.02 | ND | 2.00 |
| 42) p,&m-Xylene | 0.01 | ND | 2.00 |
| 43) o-Xylene | 0.01 | ND | 2.00 |
| 44) Styrene | 0.06 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 4'99 16:12 FR 714 258 0921 TO IT GROUP IRVINE P.02

| | | | |
|---|---|---|---|
| Sample Name: | CWGV0102 OHM M9F030217-1 | Data Analyzed: | 06/ 3/99 17:32 |
| Misc. Info: | 500mL 18708-1118 TEDLAR BAG | Method: | MSB0603 |
| Data Name: | B1919.D | Shift Call.File: | CC06031.D |
| Data Path: | d:\gcmsb\990601\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.43 | ND | 2.00 |
| 48) Benzyl Chloride | 0.16 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.03 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.06 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.09 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.41 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.22 | ND | 20.00 |
| 56) Hexachlorobutadiene | -0.17 | ND | 4.00 |
| MTBE | | ND | 10.00 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 253545 | OK | 7.15 | 7.11 | OK |
| 1,4-Difluorobenzene | 1150129 | 1171166 | OK | 8.80 | 8.76 | OK |
| Chlorobenzene-d5 | 619675 | 630457 | OK | 14.10 | 13.98 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.30 | 100.6 |
| Toluene-d8 | 50 | 42.34 | 84.7 |
| 4-Bromofluorobenzene | 50 | 46.80 | 93.6 |

Comments:

Foot Notes:

1st Review: KA 060399

2nd Review:



JUN 4'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.03

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV0102 OHM M9F030217-I | **Data Analyzed:** | 3 Jun 99 17:32 |
| **Misc. Info:** | 500mL 18708-1118 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1919.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.05 | ND | 0.0099 |
| 3) | Chloromethan | 0.01 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.03 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | 0.37 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | 0.14 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.02 | ND | 0.0153 |
| 12) | Acetone | 0.03 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | 0.39 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.15 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.03 | ND | 0.0294 |
| 19) | Chloroform | 0.13 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | 0.06 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.03 | ND | 0.0126 |
| 23) | Benzene | 0.00 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | 0.11 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.22 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.03 | ND | 0.0409 |
| 32) | Toluene | -0.07 | ND | ~~0.0075~~ 0.019 |
| 34) | t-1,3-Dichloropropene | 0.07 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | -0.06 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.03 | ND | 0.0135 |
| 37) | 2-Hexanone | -0.26 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.02 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0087 |
| 43) | o-Xylene | 0.01 | ND | 0.0087 |
| 44) | Styrene | 0.06 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |

EC1

HO



JUN 4'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.04

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV0102 OHM M9F030217- | **Data Analyzed:** | 06/ 3/99 17:32 |
| **Misc. Info:** | 500mL 18708-1118 TEDLAR BA | **Method:** | MSB0603 |
| **Data Name:** | B1919.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.43 | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.16 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.03 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.06 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.09 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.41 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.22 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.17 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 253545 | OK | 7.15 | 7.11 | OK |
| 1,4-Difluorobenzene | 1150129 | 1171166 | OK | 8.80 | 8.76 | OK |
| Chlorobenzene-d5 | 619675 | 630457 | OK | 14.10 | 13.98 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.30 | 100.6 |
| Toluene-d8 | 50 | 42.34 | 84.7 |
| 4-Bromofluorobenzene | 50 | 46.80 | 93.6 |

Comments:

Foot Notes:

1st Review: AA 060399 2nd Review



JUN 4'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.05

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV1102 OHM M9F030217-2 | **Data Analyzed:** | 3 Jun 99 18:28 |
| **Misc. Info:** | 5mL 18708-1119 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1921.D | **Shift Cali.File:** | CC06031.D |
| **Data Path:** | D:\GCMSB\990601\ | **Dilution Factor:** | 100 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | | ND | 200.00 |
| 3) Chloromethane | | ND | 400.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 200.00 |
| 5) Vinyl Chloride | | ND | 200.00 |
| 6) Bromomethane | 0.19 | ND | 200.00 |
| 7) Chloroethane | | ND | 400.00 |
| 8) Trichlorofluoromethane (11) | | ND | 200.00 |
| 9) 1,1-Dichloroethene | -0.01 | 3097.04 | 200.00 |
| 10) Carbon Disulfide | | ND | 1000.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 704.36 | 200.00 |
| 12) Acetone | 0.05 | ND | 1000.00 |
| 13) Methylene Chloride | -0.02 | ND | 200.00 |
| 14) t-1,2-Dichloroethene | | ND | 200.00 |
| 15) 1,1-Dichloroethane | 0.01 | ND | 200.00 |
| 16) Vinyl Acetate | -0.07 | ND | 1000.00 |
| 17) c-1,2-Dichloroethene | | ND | 200.00 |
| 18) 2-Butanone | | ND | 1000.00 |
| 19) Chloroform | -0.02 | ND | 200.00 |
| 20) 1,1,1-Trichloroethane | | ND | 200.00 |
| 21) Carbon Tetrachloride | 0.01 | ND | 200.00 |
| 23) Benzene | -0.02 | ND | 200.00 |
| 25) 1,2-Dichloroethane | | ND | 200.00 |
| 26) Trichloroethene | 0.00 | 14880.03 | 200.00 |
| 27) 1,2-Dichloropropane | -0.35 | ND | 200.00 |
| 28) Bromodichloromethane | | ND | 200.00 |
| 29) c-1,3-Dichloropropene | 0.37 | ND | 200.00 |
| 30) 4-Methyl-2-Pentanone | 0.02 | ND | 1000.00 |
| 32) Toluene | | ND | ~~200.00~~ 500 |
| 34) t-1,3-Dichloropropene | | ND | 200.00 |
| 35) 1,1,2-Trichloroethane | 0.14 | ND | 200.00 |
| 36) Tetrachloroethene | 0.01 | 357.14 | 200.00 |
| 37) 2-Hexanone | | ND | 3000.00 |
| 38) Dibromochloromethane | | ND | 200.00 |
| 39) 1,2-Dibromoethane | | ND | 200.00 |
| 40) Chlorobenzene | | ND | 200.00 |
| 41) Ethylbenzene | -0.42 | ND | 200.00 |
| 42) p,&m-Xylene | | ND | 200.00 |
| 43) o-Xylene | 0.17 | ND | 200.00 |
| 44) Styrene | | ND | 200.00 |
| 45) Bromoform | | ND | 200.00 |



JUN 4'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.06

| | | | |
|---|---|---|---|
| Sample Name: | CWGV1102 OHM M9F030217-2 | Data Analyzed: | 06/ 3/99 18:28 |
| Misc. Info: | 5mL 18708-1119 TEDLAR BAG | Method: | MSB0603 |
| Data Name: | B1921.D | Shift Call.File: | CC06031.D |
| Data Path: | D:\GCMSB\990601\ | Dilution Factor: | 100 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.49 | ND | 200.00 |
| 48) Benzyl Chloride | | ND | 1000.00 |
| 49) 4-Ethyl Toluene | | ND | 200.00 |
| 50) 1,3,5-Trimethylbenzene | | ND | 200.00 |
| 51) 1,2,4-Trimethylbenzene | | ND | 200.00 |
| 52) 1,3-Dichlorobenzene | | ND | 200.00 |
| 53) 1,4-Dichlorobenzene | | ND | 200.00 |
| 54) 1,2-Dichlorobenzene | | ND | 200.00 |
| 55) 1,2,4-Trichlorobenzene | | ND | 2000.00 |
| 56) Hexachlorobutadiene | | ND | 400.00 |
| MTBE | | ND | 1000.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 278409 | OK | 7.15 | 7.13 | OK |
| 1,4-Difluorobenzene | 1150129 | 1304136 | OK | 8.80 | 8.79 | OK |
| Chlorobenzene-d5 | 619675 | 644250 | OK | 14.10 | 14.09 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 48.70 | 97.4 |
| Toluene-d8 | 50 | 47.49 | 95.0 |
| 4-Bromofluorobenzene | 50 | 43.09 | 86.2 |

Comments:

Foot Notes:

1st Review: AA JL 0399

2nd Review:



JUN 4'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.07

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV1102 OHM M9F030217-2 | **Data Analyzed:** | 3 Jun 99 18:28 |
| **Misc. Info:** | 5mL 18708-1119 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1921.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 100 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | | ND | 0.9870 |
| 3) | Chloromethan | | ND | 0.8244 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 1.3952 |
| 5) | Vinyl Chloride | | ND | 0.5102 |
| 6) | Bromomethan | 0.19 | ND | 0.7750 |
| 7) | Chloroethane | | ND | 1.0532 |
| 8) | Trichlorofluoromethane (11) | | ND | 1.1214 |
| 9) | 1,1-Dichloroethene | -0.01 | 12.2550 | 0.7914 |
| 10) | Carbon Disulfide | | ND | 3.1080 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 5.3869 | 1.5296 |
| 12) | Acetone | 0.05 | ND | 2.3710 |
| 13) | Methylene Chloride | -0.02 | ND | 0.6934 |
| 14) | t-1,2-Dichloroethene | | ND | 0.7914 |
| 15) | 1,1-Dichloroethane | 0.01 | ND | 0.8078 |
| 16) | Vinyl Acetate | -0.07 | ND | 3.5140 |
| 17) | c-1,2-Dichloroethene | | ND | 0.7914 |
| 18) | 2-Butanone | | ND | 2.9430 |
| 19) | Chloroform | -0.02 | ND | 0.9746 |
| 20) | 1,1,1-Trichloroethane | | ND | 1.0890 |
| 21) | Carbon Tetrachloride | 0.01 | ND | 1.2556 |
| 23) | Benzene | -0.02 | ND | 0.6376 |
| 25) | 1,2-Dichloroethane | | ND | 0.8078 |
| 26) | Trichloroethene | 0.00 | 79.8016 | 1.0726 |
| 27) | 1,2-Dichloropropane | -0.35 | ND | 0.9224 |
| 28) | Bromodichloromethane | | ND | 1.3374 |
| 29) | c-1,3-Dichloropropene | 0.37 | ND | 0.9058 |
| 30) | 4-Methyl-2-Pentanone | 0.02 | ND | 4.0880 |
| 32) | Toluene | | ND | ~~0.7522~~ 1.9 |
| 34) | t-1,3-Dichloropropene | | ND | 0.9058 |
| 35) | 1,1,2-Trichloroethane | 0.14 | ND | 1.0890 |
| 36) | Tetrachloroethene | 0.01 | 2.4175 | 1.3538 |
| 37) | 2-Hexanone | | ND | 12.2640 |
| 38) | Dibromochloromethane | | ND | 1.7004 |
| 39) | 1,2-Dibromoethane | | ND | 1.5336 |
| 40) | Chlorobenzene | | ND | 0.9188 |
| 41) | Ethylbenzene | -0.42 | ND | 0.8666 |
| 42) | p,&m-Xylene | | ND | 0.8666 |
| 43) | o-Xylene | 0.17 | ND | 0.8666 |
| 44) | Styrene | | ND | 0.8502 |
| 45) | Bromoform | | ND | 2.0632 |



JUN 4'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.08

| | | | |
|---|---|---|---|
| Sample Name: | CWGV1102 OHM M9F030217-Z | Data Analyzed: | 06/ 3/99 18:28 |
| Misc. Info: | 5mL 18708-1119 TEDLAR BAG | Method: | MSB0603 |
| Data Name: | B1921.D | Shift Call.File: | CC06031.D |
| Data Path: | d:\gcmsb\990601\ | Dilution Factor: | 100 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.49 | ND | 1.3702 |
| 48) | Benzyl Chloride | | ND | 5.1760 |
| 49) | 4-Ethyl Toluene | | ND | 0.9812 |
| 50) | 1,3,5-Trimethylbenzene | | ND | 0.9812 |
| 51) | 1,2,4-Trimethylbenzene | | ND | 0.9812 |
| 52) | 1,3-Dichlorobenzene | | ND | 1.2000 |
| 53) | 1,4-Dichlorobenzene | | ND | 1.2000 |
| 54) | 1,2-Dichlorobenzene | | ND | 1.2000 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 14.8120 |
| 56) | Hexachlorobutadiene | | ND | 4.2572 |
| | MTBE | | ND | 3.60 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 278409 | OK | 7.15 | 7.13 | OK |
| 1,4-Difluorobenzene | 1150129 | 1304136 | OK | 8.80 | 8.79 | OK |
| Chlorobenzene-d5 | 619675 | 644250 | OK | 14.10 | 14.09 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 48.70 | 97.4 |
| Toluene-d8 | 50 | 47.49 | 95.0 |
| 4-Bromofluorobenzene | 50 | 43.09 | 86.2 |

Comments:

Foot Notes:

1st Review: [illegible] 060499 2nd Review



JUN 4'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.09

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV2102 OHM M9F030217-3 | **Data Analyzed:** | 3 Jun 99 18:56 |
| **Misc. Info:** | 5mL 18708-1120 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1922.D | **Shift Cali.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 100 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | | ND | 200.00 |
| 3) | Chloromethane | | ND | 400.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 200.00 |
| 5) | Vinyl Chloride | | ND | 200.00 |
| 6) | Bromomethane | | ND | 200.00 |
| 7) | Chloroethane | | ND | 400.00 |
| 8) | Trichlorofluoromethane (11) | | ND | 200.00 |
| 9) | 1,1-Dichloroethene | -0.01 | 3409.86 | 200.00 |
| 10) | Carbon Disulfide | | ND | 1000.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 777.04 | 200.00 |
| 12) | Acetone | 0.05 | ND | 1000.00 |
| 13) | Methylene Chloride | -0.01 | ND | 200.00 |
| 14) | t-1,2-Dichloroethene | | ND | 200.00 |
| 15) | 1,1-Dichloroethane | -0.03 | ND | 200.00 |
| 16) | Vinyl Acetate | -0.24 | ND | 1000.00 |
| 17) | c-1,2-Dichloroethene | -0.05 | ND | 200.00 |
| 18) | 2-Butanone | | ND | 1000.00 |
| 19) | Chloroform | 0.01 | ND | 200.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 200.00 |
| 21) | Carbon Tetrachloride | 0.02 | ND | 200.00 |
| 23) | Benzene | -0.01 | ND | 200.00 |
| 25) | 1,2-Dichloroethane | | ND | 200.00 |
| 26) | Trichloroethene | 0.00 | 16357.83 | 200.00 |
| 27) | 1,2-Dichloropropane | | ND | 200.00 |
| 28) | Bromodichloromethane | | ND | 200.00 |
| 29) | c-1,3-Dichloropropene | 0.44 | ND | 200.00 |
| 30) | 4-Methyl-2-Pentanone | -0.05 | ND | 1000.00 |
| 32) | Toluene | | ND | ~~200.00~~ 500 |
| 34) | t-1,3-Dichloropropene | | ND | 200.00 |
| 35) | 1,1,2-Trichloroethane | 0.01 | ND | 200.00 |
| 36) | Tetrachloroethene | 0.02 | 422.01 | 200.00 |
| 37) | 2-Hexanone | | ND | 3000.00 |
| 38) | Dibromochloromethane | | ND | 200.00 |
| 39) | 1,2-Dibromoethane | | ND | 200.00 |
| 40) | Chlorobenzene | | ND | 200.00 |
| 41) | Ethylbenzene | -0.42 | ND | 200.00 |
| 42) | p,&m-Xylene | | ND | 200.00 |
| 43) | o-Xylene | | ND | 200.00 |
| 44) | Styrene | | ND | 200.00 |
| 45) | Bromoform | | ND | 200.00 |



JUN 4'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.10

| | | | |
|---|---|---|---|
| Sample Name: | CWGV2102 OHM M9F030217-3 | Data Analyzed: | 06/ 3/99 18:56 |
| Misc. Info: | 5mL 18708-1120 TEDLAR BAG | Method: | MSB0603 |
| Data Name: | B1922.D | Shift Call.File: | CC06031.D |
| Data Path: | d:\gcmsb\990601\ | Dilution Factor: | 100 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 200.00 |
| 48) | Benzyl Chloride | | ND | 1000.00 |
| 49) | 4-Ethyl Toluene | | ND | 200.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.38 | ND | 200.00 |
| 51) | 1,2,4-Trimethylbenzene | | ND | 200.00 |
| 52) | 1,3-Dichlorobenzene | | ND | 200.00 |
| 53) | 1,4-Dichlorobenzene | | ND | 200.00 |
| 54) | 1,2-Dichlorobenzene | | ND | 200.00 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 2000.00 |
| 56) | Hexachlorobutadiene | | ND | 400.00 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 282954 | OK | 7.15 | 7.13 | OK |
| 1,4-Difluorobenzene | 1150129 | 1286058 | OK | 8.80 | 8.79 | OK |
| Chlorobenzene-d5 | 619675 | 637831 | OK | 14.10 | 14.09 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.67 | 99.3 |
| Toluene-d8 | 50 | 48.43 | 96.9 |
| 4-Bromofluorobenzene | 50 | 38.65 | 77.3 |

Comments:

Foot Notes:

1st Review: _____ 2nd Review: _____



JUN 4'99 16:15 FR 714 258 0921 TO IT GROUP IRVINE P.11

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV2102 OHM M9F030217-3 | **Data Analyzed:** | 3 Jun 99 18:56 |
| **Misc. Info:** | 5mL 18708-1120 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1922.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 100 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | | ND | 0.9870 |
| 3) | Chloromethan | | ND | 0.8244 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 1.3952 |
| 5) | Vinyl Chloride | | ND | 0.5102 |
| 6) | Bromomethan | | ND | 0.7750 |
| 7) | Chloroethane | | ND | 1.0532 |
| 8) | Trichlorofluoromethane (11) | | ND | 1.1214 |
| 9) | 1,1-Dichloroethene | -0.01 | 13.4932 | 0.7914 |
| 10) | Carbon Disulfide | | ND | 3.1080 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 5.9428 | 1.5296 |
| 12) | Acetone | 0.05 | ND | 2.3710 |
| 13) | Methylene Chloride | -0.01 | ND | 0.6934 |
| 14) | t-1,2-Dichloroethene | | ND | 0.7914 |
| 15) | 1,1-Dichloroethane | -0.03 | ND | 0.8078 |
| 16) | Vinyl Acetate | -0.24 | ND | 3.5140 |
| 17) | c-1,2-Dichloroethene | -0.05 | ND | 0.7914 |
| 18) | 2-Butanone | | ND | 2.9430 |
| 19) | Chloroform | 0.01 | ND | 0.9746 |
| 20) | 1,1,1-Trichloroethane | | ND | 1.0890 |
| 21) | Carbon Tetrachloride | 0.02 | ND | 1.2556 |
| 23) | Benzene | -0.01 | ND | 0.6376 |
| 25) | 1,2-Dichloroethane | | ND | 0.8078 |
| 26) | Trichloroethene | 0.00 | 87.7271 | 1.0726 |
| 27) | 1,2-Dichloropropane | | ND | 0.9224 |
| 28) | Bromodichloromethane | | ND | 1.3374 |
| 29) | c-1,3-Dichloropropene | 0.44 | ND | 0.9058 |
| 30) | 4-Methyl-2-Pentanone | -0.05 | ND | 4.0880 |
| 32) | Toluene | | ND | ~~0.7622~~ 1.9 |
| 34) | t-1,3-Dichloropropene | | ND | 0.9058 |
| 35) | 1,1,2-Trichloroethane | 0.01 | ND | 1.0890 |
| 36) | Tetrachloroethene | 0.02 | 2.8586 | 1.3538 |
| 37) | 2-Hexanone | | ND | 12.2640 |
| 38) | Dibromochloromethane | | ND | 1.7004 |
| 39) | 1,2-Dibromoethane | | ND | 1.5336 |
| 40) | Chlorobenzene | | ND | 0.9188 |
| 41) | Ethylbenzene | -0.42 | ND | 0.8666 |
| 42) | p&m-Xylene | | ND | 0.8666 |
| 43) | o-Xylene | | ND | 0.8666 |
| 44) | Styrene | | ND | 0.8502 |
| 45) | Bromoform | | ND | 2.0632 |



JUN 4'99 16:15 FR 714 258 0921 TO IT GROUP IRVINE P.12

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV2102 OHM M9F030217-3 | **Data Analyzed:** | 06/ 3/99 18:56 |
| **Misc. Info:** | 5mL 18708-1120 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1922.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 100 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 1.3702 |
| 48) | Benzyl Chloride | | ND | 5.1760 |
| 49) | 4-Ethyl Toluene | | ND | 0.9812 |
| 50) | 1,3,5-Trimethylbenzene | 0.38 | ND | 0.9812 |
| 51) | 1,2,4-Trimethylbenzene | | ND | 0.9812 |
| 52) | 1,3-Dichlorobenzene | | ND | 1.2000 |
| 53) | 1,4-Dichlorobenzene | | ND | 1.2000 |
| 54) | 1,2-Dichlorobenzene | | ND | 1.2000 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 14.8120 |
| 56) | Hexachlorobutadiene | | ND | 4.2572 |
| | MTBE | | ND | 3.60 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 282954 | OK | 7.15 | 7.13 | OK |
| 1,4-Difluorobenzene | 1150129 | 1286058 | OK | 8.80 | 8.79 | OK |
| Chlorobenzene-d5 | 619675 | 637831 | OK | 14.10 | 14.09 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.67 | 99.3 |
| Toluene-d8 | 50 | 48.43 | 96.9 |
| 4-Bromofluorobenzene | 50 | 38.65 | 77.3 |

Comments:

Foot Notes:

1st Review: AA 060499 2nd Review



JUN 4'99 16:15 FR 714 258 0921 TO IT GROUP IRVINE P.13

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV3102 OHM M9F030217-4 | **Data Analyzed:** | 3 Jun 99 17:05 |
| **Misc. Info:** | 500mL 18708-1121 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1918.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.05 | ND | 2.00 |
| 3) | Chloromethane | -0.03 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.00 | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | | ND | 2.00 |
| 9) | 1,1-Dichloroethene | 0.00 | ND | 2.00 |
| 10) | Carbon Disulfide | 0.01 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | 8.65 | 2.00 |
| 12) | Acetone | 0.01 | ND | 10.00 |
| 13) | Methylene Chloride | -0.00 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | -0.14 | ND | 2.00 |
| 16) | Vinyl Acetate | 0.39 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | | ND | 10.00 |
| 19) | Chloroform | 0.03 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | 0.01 | ND | 2.00 |
| 23) | Benzene | 0.03 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.00 | 45.93 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | -0.39 | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.06 | ND | 10.00 |
| 32) | Toluene | -0.07 | ND | ~~2.00~~ 5.00 |
| 34) | t-1,3-Dichloropropene | -0.06 | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.02 | ND | 2.00 |
| 36) | Tetrachloroethene | -0.02 | 2.72 | 2.00 |
| 37) | 2-Hexanone | -0.28 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | 0.01 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.04 | ND | 2.00 |
| 43) | o-Xylene | 0.01 | ND | 2.00 |
| 44) | Styrene | 0.06 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 4'99 16:15 FR 714 258 0921 TO IT GROUP IRVINE P.14

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV3102 OHM M9F030217-4 | **Data Analyzed:** | 06/ 3/99 17:05 |
| **Misc. Info:** | 500mL 18708-1121 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1918.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.19 | ND | 2.00 |
| 48) Benzyl Chloride | -0.06 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.03 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | -0.10 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.12 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.31 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.01 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.39 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.23 | ND | 20.00 |
| 56) Hexachlorobutadiene | -0.45 | ND | 4.00 |
| MTBE | | ND | 10.6 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 231680 | OK | 7.15 | 7.11 | OK |
| 1,4-Difluorobenzene | 1150129 | 1069803 | OK | 8.80 | 8.76 | OK |
| Chlorobenzene-d5 | 619675 | 609863 | OK | 14.10 | 13.97 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.26 | 104.5 |
| Toluene-d8 | 50 | 41.86 | 83.7 |
| 4-Bromofluorobenzene | 50 | 49.07 | 98.1 |

Comments:

Foot Notes:

1st Review: AA 060399

2nd Review:



JUN 4'99 16:16 FR 714 258 0921 TO IT GROUP IRVINE P.15

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV3102 OHM M9F030217-4 | **Data Analyzed:** | 3 Jun 99 17:05 |
| **Misc. Info:** | 500mL 18708-1121 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1918.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | D:\GCMSB\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.05 | ND | 0.0099 |
| 3) | Chloromethan | -0.03 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.00 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | 0.00 | ND | 0.0079 |
| 10) | Carbon Disulfide | 0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | 0.0662 | 0.0153 |
| 12) | Acetone | 0.01 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.00 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.14 | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.39 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | | ND | 0.0294 |
| 19) | Chloroform | 0.03 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.01 | ND | 0.0126 |
| 23) | Benzene | 0.03 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.00 | 0.2463 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.39 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.06 | ND | 0.0409 |
| 32) | Toluene | -0.07 | ND | ~~0.0075~~ 0.019 |
| 34) | t-1,3-Dichloropropene | -0.06 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.02 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.02 | 0.0184 | 0.0135 |
| 37) | 2-Hexanone | -0.28 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.04 | ND | 0.0087 |
| 43) | o-Xylene | 0.01 | ND | 0.0087 |
| 44) | Styrene | 0.06 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 4'99 16:16 FR 714 258 0921 TO IT GROUP IRVINE P.16

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV3102 OHM M9F030217- | **Data Analyzed:** | 06/ 3/99 17:05 |
| **Misc. Info:** | 500mL 18708-1121 TEDLAR BA | **Method:** | MSB0603 |
| **Data Name:** | B1918.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | D:\GCMSB\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.19 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.06 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.03 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | -0.10 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.12 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.31 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.01 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.39 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.23 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.45 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 231680 | OK | 7.15 | 7.11 | OK |
| 1,4-Difluorobenzene | 1150129 | 1069803 | OK | 8.80 | 8.76 | OK |
| Chlorobenzene-d5 | 619675 | 609863 | OK | 14.10 | 13.97 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.26 | 104.5 |
| Toluene-d8 | 50 | 41.86 | 83.7 |
| 4-Bromofluorobenzene | 50 | 49.07 | 98.1 |

Comments:

Foot Notes:

1st Review: SA 060399 2nd Review



JUN 4'99 16:16 FR 714 258 0921 TO IT GROUP IRVINE P.17

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV4102 OHM M9F030217-5 | **Data Analyzed:** | 3 Jun 99 18:00 |
| **Misc. Info:** | 500mL 18708-1122 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1920.D | **Shift Cali.File:** | CC06031.D |
| **Data Path:** | d:\gcmsb\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.02 | ND | 2.00 |
| 3) | Chloromethane | -0.04 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.27 | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | -0.01 | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | 0.01 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | 0.00 | 3.93 | 2.00 |
| 10) | Carbon Disulfide | 0.00 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 3.32 | 2.00 |
| 12) | Acetone | 0.02 | ND | 10.00 |
| 13) | Methylene Chloride | 0.02 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | -0.02 | ND | 2.00 |
| 16) | Vinyl Acetate | 0.01 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | 0.08 | ND | 10.00 |
| 19) | Chloroform | 0.01 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | -0.00 | ND | 2.00 |
| 23) | Benzene | -0.00 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.00 | 19.87 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | 0.50 | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | -0.04 | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.04 | ND | 10.00 |
| 32) | Toluene | -0.08 | ND | ~~2.00~~ 5.0 |
| 34) | t-1,3-Dichloropropene | -0.04 | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.47 | ND | 2.00 |
| 36) | Tetrachloroethene | -0.02 | ND | 2.00 |
| 37) | 2-Hexanone | -0.40 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | -0.04 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.03 | ND | 2.00 |
| 43) | o-Xylene | 0.07 | ND | 2.00 |
| 44) | Styrene | 0.02 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 4'99 16:16 FR 714 258 0921 TO IT GROUP IRVINE P.18

| | | | |
|---|---|---|---|
| Sample Name: | CWGV4102 OHM M9F030217-5 | Data Analyzed: | 06/ 3/99 18:00 |
| Misc. Info: | 500mL 18708-1122 TEDLAR BAG | Method: | MSB0603 |
| Data Name: | B1920.D | Shift Call.File: | CC06031.D |
| Data Path: | d:\gcmsb\990601\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.20 | ND | 2.00 |
| 48) Benzyl Chloride | -0.01 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.08 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | -0.09 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.15 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.35 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.16 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.35 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.18 | ND | 20.00 |
| 56) Hexachlorobutadiene | -0.09 | ND | 4.00 |
| MTBE | | ND | 10.0 |

| LS. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 255568 | OK | 7.15 | 7.10 | OK |
| 1,4-Difluorobenzene | 1150129 | 1128500 | OK | 8.80 | 8.76 | OK |
| Chlorobenzene-d5 | 619675 | 622551 | OK | 14.10 | 13.97 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.25 | 104.5 |
| Toluene-d8 | 50 | 42.63 | 85.3 |
| 4-Bromofluorobenzene | 50 | 45.94 | 91.9 |

Comments:

Foot Notes:

1st Review: MA 060399

2nd Review:



JUN 4'99 16:17 FR 714 258 0921 TO IT GROUP IRVINE P.19

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWGV4102 OHM M9F030217-5 | **Data Analyzed:** | 3 Jun 99 18:00 |
| **Misc. Info:** | 500mL 18708-1122 TEDLAR BAG | **Method:** | MSB0603 |
| **Data Name:** | B1920.D | **Shift Call.File:** | CC06031.D |
| **Data Path:** | D:\GCMSB\990601\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.02 | ND | 0.0099 |
| 3) | Chloromethan | -0.04 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.27 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.01 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | 0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | 0.00 | 0.0156 | 0.0079 |
| 10) | Carbon Disulfide | 0.00 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 0.0254 | 0.0153 |
| 12) | Acetone | 0.02 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.02 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.02 | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.01 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.08 | ND | 0.0294 |
| 19) | Chloroform | 0.01 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.00 | ND | 0.0126 |
| 23) | Benzene | -0.00 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.00 | 0.1066 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | 0.50 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.04 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.04 | ND | 0.0409 |
| 32) | Toluene | -0.08 | ND | ~~0.0875~~ 0.019 |
| 34) | t-1,3-Dichloropropene | -0.04 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.47 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.02 | ND | 0.0135 |
| 37) | 2-Hexanone | -0.40 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | -0.04 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.03 | ND | 0.0087 |
| 43) | o-Xylene | 0.07 | ND | 0.0087 |
| 44) | Styrene | 0.02 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 4'99 16:17 FR 714 258 0921 TO IT GROUP IRVINE P.20

D:\GCMSB\990601\B1920.D

| | | | |
|---|---|---|---|
| Sample Name: | CWGV4102 OHM M9F030217-5 | Data Analyzed: | 06/ 3/99 18:00 |
| Misc. Info: | 500mL 18708-1122 TEDLAR BA | Method: | MSB0603 |
| Data Name: | B1920.D | Shift Cali.File: | CC06031.D |
| Data Path: | D:\GCMSB\990601\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.20 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.01 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.08 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | -0.09 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.15 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.35 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.16 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.35 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.18 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.09 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249758 | 255568 | OK | 7.15 | 7.10 | OK |
| 1,4-Difluorobenzene | 1150129 | 1128500 | OK | 8.80 | 8.76 | OK |
| Chlorobenzene-d5 | 619675 | 622551 | OK | 14.10 | 13.97 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.25 | 104.5 |
| Toluene-d8 | 50 | 42.63 | 85.3 |
| 4-Bromofluorobenzene | 50 | 45.94 | 91.9 |

Comments:

Foot Notes:

1st Review: AA 060399 2nd Review

**Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY 222548

24SVE2 - 49 days

FORM 0019 REV. 2-97

16003301

**Project Information Section For Project Personnel Only Do Not Submit to Laboratory**

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L. Bienkowski | LAB COORDINATOR'S PHONE: 949-600-7537 | LAB COORDINATOR'S FAX: 949-495-5433 | LABORATORY SERVICE ID: LAF100209 | LABORATORY CONTACT: Quantera | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: El Toro | PROJECT LOCATION: El Toro - DO 65 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 909-596-1828 | LABORATORY FAX: — | RECIPIENT NAME: Duayne Ishida |
| PROJECT CONTACT: L. Bienkowski | PROJECT PHONE NUMBER: (949) 451-1661 | PROJECT FAX: — | LABORATORY ADDRESS: 1721 Grand | | ADDRESS: 3347 Michelson Ste 202 |
| PROJECT ADDRESS: — | CITY, STATE AND ZIPCODE: — | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: Santa Ana | | CITY, STATE AND ZIPCODE: Irvine, CA |
| PROJECT MANAGER: B. Sedlak | PROJECT MANAGER'S PHONE: (949) 261-1661 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | 1999 Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses TO-14 | Contract Hold | Comments | Sample Point Location | G | C | F | QC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1151 | vapor | 6/10 | 0751 | – | 2 | 3 | 5day | X | | Analyze "A" Bag First | (1) 24SVE2 Ambient 49 days | | | | X |
| 2 | 18708-1152 | vapor | 6/10 | 0754 | – | 3 | 3 | 5day | X | | | (2) 24SVE2 Influent 49 days | X | | | |
| 3 | 18708-1153 | vapor | 6/10 | 0800 | – | 2 | 3 | 24 hr. | X | | | (3) 24SVE2 Midpoint 49 days | X | | | |
| 4 | 18708-1154 | vapor | 6/10 | 0804 | – | 2 | 3 | 24hr. | X | (46) | Analyze if 18708-1153 is detected. | (4) 24SVE2 Effluent 49 days | X | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

SAMPLES COLLECTED BY: Eric Bienkowski

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| Eric Bienkowski | [illegible] | 6/10/99 | 1225 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Sample Type: G = Grab, C = Composite, F = Field Sample, QC = Quality Control Sample

Val
Jeff

IT CORPORATION

Client Sample ID: 18708-1151

GC/MS Volatiles

**Lot-Sample #...:** M9F100208-001 **Work Order #...:** CWPHM102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 07:51 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165180 **Analysis Time..:** 17:46
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1151**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-001 **Work Order #...:** CWPHM102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb (v/v) |
| Ethylbenzene | ND | 2.0 | ppb (v/v) |
| Xylenes (total) | ND | 2.0 | ppb (v/v) |
| Styrene | ND | 2.0 | ppb (v/v) |
| Bromoform | ND | 2.0 | ppb (v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb (v/v) |
| Benzyl chloride | ND | 10 | ppb (v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb (v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb (v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb (v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb (v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb (v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb (v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb (v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb (v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb (v/v) |

IT CORPORATION

Client Sample ID: 18708-1152

GC/MS Volatiles

**Lot-Sample #...:** M9F100208-002 **Work Order #...:** CWPHQ102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 07:54 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165180 **Analysis Time..:** 18:14
**Dilution Factor:** 100
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 200 | ppb(v/v) |
| Chloromethane | ND | 400 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 200 | ppb(v/v) |
| Vinyl chloride | ND | 200 | ppb(v/v) |
| Bromomethane | ND | 200 | ppb(v/v) |
| Chloroethane | ND | 400 | ppb(v/v) |
| Trichlorofluoromethane | ND | 200 | ppb(v/v) |
| **1,1-Dichloroethene** | **2700** | **200** | **ppb(v/v)** |
| Carbon disulfide | ND | 1000 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **550** | **200** | **ppb(v/v)** |
| Acetone | ND | 1000 | ppb(v/v) |
| Methylene chloride | ND | 200 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 200 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 200 | ppb(v/v) |
| Vinyl acetate | ND | 1000 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 200 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 1000 | ppb(v/v) |
| Chloroform | ND | 200 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 200 | ppb(v/v) |
| Carbon tetrachloride | ND | 200 | ppb(v/v) |
| Benzene | ND | 200 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 200 | ppb(v/v) |
| **Trichloroethene** | **16000** | **200** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 200 | ppb(v/v) |
| Bromodichloromethane | ND | 200 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 200 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 1000 | ppb(v/v) |
| Toluene | ND | 500 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 200 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 200 | ppb(v/v) |
| **Tetrachloroethene** | **320** | **200** | **ppb(v/v)** |
| 2-Hexanone | ND | 3000 | ppb(v/v) |
| Dibromochloromethane | ND | 200 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 200 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1152**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-002 **Work Order #...:** CWPHQ102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 200 | ppb (v/v) |
| Ethylbenzene | ND | 200 | ppb (v/v) |
| Xylenes (total) | ND | 200 | ppb (v/v) |
| Styrene | ND | 200 | ppb (v/v) |
| Bromoform | ND | 200 | ppb (v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 200 | ppb (v/v) |
| Benzyl chloride | ND | 1000 | ppb (v/v) |
| 4-Ethyltoluene | ND | 200 | ppb (v/v) |
| 1,3,5-Trimethylbenzene | ND | 200 | ppb (v/v) |
| 1,2,4-Trimethylbenzene | ND | 200 | ppb (v/v) |
| 1,3-Dichlorobenzene | ND | 200 | ppb (v/v) |
| 1,4-Dichlorobenzene | ND | 200 | ppb (v/v) |
| 1,2-Dichlorobenzene | ND | 200 | ppb (v/v) |
| 1,2,4-Trichlorobenzene | ND | 2000 | ppb (v/v) |
| Hexachlorobutadiene | ND | 400 | ppb (v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 1000 | ppb (v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1153**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-003 **Work Order #...:** CWPHT102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 08:00 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165180 **Analysis Time..:** 16:12
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **6.3** | **2.0** | **ppb(v/v)** |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **25** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1153**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-003 **Work Order #...:** CWPHT102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

IT CORPORATION

Client Sample ID: 18708-1154

GC/MS Volatiles

**Lot-Sample #...:** M9F100208-004 **Work Order #...:** CWPHW102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 08:04 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165180 **Analysis Time..:** 17:17
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| **Benzene** | **3.3** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **6.5** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| **Toluene** | **8.7** | **5.0** | **ppb(v/v)** |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1154**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-004 **Work Order #...:** CWPHW102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| **Xylenes (total)** | **9.5** | **2.0** | **ppb(v/v)** |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| **1,2,4-Trimethylbenzene** | **2.0** | **2.0** | **ppb(v/v)** |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1151**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-001 **Work Order #...:** CWPHM101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 07:51 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165182 **Analysis Time..:** 17:46
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1151**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-001 **Work Order #...:** CWPHM101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1152**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-002 **Work Order #...:** CWPHQ101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 07:54 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165182 **Analysis Time..:** 18:14
**Dilution Factor:** 100
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.99 | ug/L |
| Chloromethane | ND | 0.82 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 1.4 | ug/L |
| Vinyl chloride | ND | 0.51 | ug/L |
| Bromomethane | ND | 0.78 | ug/L |
| Chloroethane | ND | 1.1 | ug/L |
| Trichlorofluoromethane | ND | 1.1 | ug/L |
| **1,1-Dichloroethene** | **11** | **0.79** | **ug/L** |
| Carbon disulfide | ND | 3.1 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **4.2** | **1.5** | **ug/L** |
| Acetone | ND | 2.4 | ug/L |
| Methylene chloride | ND | 0.69 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.79 | ug/L |
| 1,1-Dichloroethane | ND | 0.81 | ug/L |
| Vinyl acetate | ND | 3.5 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.79 | ug/L |
| 2-Butanone (MEK) | ND | 2.9 | ug/L |
| Chloroform | ND | 0.97 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.1 | ug/L |
| Carbon tetrachloride | ND | 1.3 | ug/L |
| Benzene | ND | 0.64 | ug/L |
| 1,2-Dichloroethane | ND | 0.81 | ug/L |
| **Trichloroethene** | **86** | **1.1** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.92 | ug/L |
| Bromodichloromethane | ND | 1.3 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.91 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 4.1 | ug/L |
| Toluene | ND | 1.9 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.91 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.1 | ug/L |
| **Tetrachloroethene** | **2.2** | **1.4** | **ug/L** |
| 2-Hexanone | ND | 12 | ug/L |
| Dibromochloromethane | ND | 1.7 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 1.5 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1152**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-002 **Work Order #...:** CWPHQ101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.92 | ug/L |
| Ethylbenzene | ND | 0.87 | ug/L |
| Xylenes (total) | ND | 0.87 | ug/L |
| Styrene | ND | 0.85 | ug/L |
| Bromoform | ND | 2.1 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.4 | ug/L |
| Benzyl chloride | ND | 5.2 | ug/L |
| 4-Ethyltoluene | ND | 0.98 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.98 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.98 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 15 | ug/L |
| Hexachlorobutadiene | ND | 4.3 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 3.6 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1153**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-003 **Work Order #...:** CWPHT101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 08:00 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165182 **Analysis Time..:** 16:12
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **0.048** | **0.015** | **ug/L** |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.13** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1153**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-003 **Work Order #...:** CWPHT101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1154**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-004 **Work Order #...:** CWPHW101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 08:04 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165182 **Analysis Time..:** 17:17
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| **Benzene** | **0.010** | **0.0064** | **ug/L** |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.035** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| **Toluene** | **0.033** | **0.019** | **ug/L** |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1154**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100208-004 **Work Order #...:** CWPHW101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| **Xylenes (total)** | **0.041** | **0.0087** | **ug/L** |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| **1,2,4-Trimethylbenzene** | **0.010** | **0.0098** | **ug/L** |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**OHM Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

217052

24 SVR 2 - 56 days

FORM C019 REV. 2-97

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L. BIENKOWSKI | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY SERVICE ID: | LABORATORY CONTACT: QUANTERRA | MAIL REPORT (COMPANY NAME): ITGROUP |
| PROJECT NAME: EL TORO | PROJECT LOCATION: EL TORO - DO65 | PROJECT NUMBER: 18708 | LABORATORY'S PHONE: 714-258-8610 | LABORATORY FAX: | RECEIPT NAME: QUANNL ISHIDA |
| PROJECT CONTACT: L. BIENKOWSKI | PROJECT PHONE NUMBER: — | PROJECT FAX: — | LABORATORY ADDRESS: 1721 GRAND | ADDRESS: 3347 MICHELSON | |
| PROJECT ADDRESS: — | CITY, STATE AND ZIPCODE: — | CLIENT: SCHOLV | CITY, STATE AND ZIPCODE: SANTA ANA | CITY, STATE AND ZIPCODE: IRVINE CA. | |
| PROJECT MANAGER: B. SEDLAK | PROJECT MANAGER'S PHONE: 949-261-6441 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | Date 1999 | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses TO-14 | Analyses CONTINGENT-BAD | | | | | | Analyses Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1186 | VAPOR | 6-16 | 0800 | — | 2 | III | 5DA | X | | | | | | | |
| 2 | 18708-1187 | VAPOR | 6-16 | 0805 | — | 3 | III | 5DA | X | | | | | | | |
| 3 | 18708-1188 | VAPOR | 6-16 | 0810 | — | 2 | III | 5DA | X | | | | | | | |
| 4 | 18708-1189 | VAPOR | 6-16 | 0815 | — | 2 | III | 24HR | X | | | | | | | |
| 5 | 18708-1190 | VAPOR | 6-16 | 0820 | — | 2 | III | 24HR | | | X | | | | | ANALYZE ONLY IF 18708-1189 IS DETECTED |

ANALYZE SAMPLING FIRST

| | | | | |
|---|---|---|---|---|
| SAMPLE COLLECTED BY: [signature] | SCHEDULE AND AIR BILL NUMBER: CARRIER | | | COOLER TEMPERATURE UPON RECEIPT: |
| RELINQUISHED BY: [signature] | RECEIVED BY: [signature] | DATE: 6/17/99 | TIME: 5:11 | SAMPLE'S CONDITION UPON RECEIPT: |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

| Sample Point Location | Sample Type G | C | F | QC |
|---|---|---|---|---|
| 1. 24SVR2 AMB 56 DAYS | X | | | X |
| 2. 24SVR2 INF 56 DAYS | X | | | |
| 3. 24SVR2 INF-DUP 56 DAYS | X | | | X |
| 4. 24SVR2 MID 56 DAYS | X | | | |
| 5. 24SVR2 EFF 56 DAYS | X | | | |

COMMENTS:

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FD102 OHM M9F170281-3 | **Data Analyzed:** | 17 Jun 99 18:51 |
| **Misc. Info:** | 8ml 16708-1188 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3094.D | **Shift Cali.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 62.5 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | | ND | 125.00 |
| 3) Chloromethane | | ND | 250.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 125.00 |
| 5) Vinyl Chloride | | ND | 125.00 |
| 6) Bromomethane | 0.02 | ND | 125.00 |
| 7) Chloroethane | | ND | 250.00 |
| 8) Trichlorofluoromethane (11) | | ND | 125.00 |
| 9) 1,1-Dichloroethene | -0.02 | 1888.30 | 125.00 |
| 10) Carbon Disulfide | | ND | 625.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 407.35 | 125.00 |
| 12) Acetone | -0.06 | ND | 625.00 |
| 13) Methylene Chloride | -0.00 | ND | 125.00 |
| 14) t-1,2-Dichloroethene | -0.12 | ND | 125.00 |
| 15) 1,1-Dichloroethane | -0.01 | ND | 125.00 |
| 16) Vinyl Acetate | -0.33 | ND | 625.00 |
| 17) c-1,2-Dichloroethene | 0.01 | ND | 125.00 |
| 18) 2-Butanone | | ND | 625.00 |
| 19) Chloroform | 0.03 | ND | 125.00 |
| 20) 1,1,1-Trichloroethane | | ND | 125.00 |
| 21) Carbon Tetrachloride | -0.02 | ND | 125.00 |
| 23) Benzene | 0.04 | ND | 125.00 |
| 25) 1,2-Dichloroethane | | ND | 125.00 |
| 26) Trichloroethene | 0.02 | 10964.70 | 125.00 |
| 27) 1,2-Dichloropropane | -0.36 | ND | 125.00 |
| 28) Bromodichloromethane | | ND | 125.00 |
| 29) c-1,3-Dichloropropene | | ND | 125.00 |
| 30) 4-Methyl-2-Pentanone | -0.05 | ND | 625.00 |
| 32) Toluene | | ND | ~~125.00~~ ~~3/25~~ 310 |
| 34) t-1,3-Dichloropropene | | ND | 125.00 |
| 35) 1,1,2-Trichloroethane | 0.08 | ND | 125.00 |
| 36) Tetrachloroethene | 0.02 | 233.07 | 125.00 |
| 37) 2-Hexanone | | ND | 1875.00 |
| 38) Dibromochloromethane | | ND | 125.00 |
| 39) 1,2-Dibromoethane | | ND | 125.00 |
| 40) Chlorobenzene | | ND | 125.00 |
| 41) Ethylbenzene | -0.39 | ND | 125.00 |
| 42) p,&m-Xylene | | ND | 125.00 |
| 43) o-Xylene | | ND | 125.00 |
| 44) Styrene | | ND | 125.00 |
| 45) Bromoform | | ND | 125.00 |



JUN 18'99 16:12 FR 714 258 0921 TO IT GROUP IRVINE P.03

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FD102 OHM M9F170281-3 | **Data Analyzed:** | 06/17/99 18:51 |
| **Misc. Info:** | 8ml 18708-1188 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3094.D | **Shift Cali.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 62.5 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.50 | ND | 125.00 |
| 48) | Benzyl Chloride | 0.18 | ND | 625.00 |
| 49) | 4-Ethyl Toluene | 0.18 | ND | 125.00 |
| 50) | 1,3,5-Trimethylbenzene | | ND | 125.00 |
| 51) | 1,2,4-Trimethylbenzene | -0.25 | ND | 125.00 |
| 52) | 1,3-Dichlorobenzene | | ND | 125.00 |
| 53) | 1,4-Dichlorobenzene | | ND | 125.00 |
| 54) | 1,2-Dichlorobenzene | | ND | 125.00 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 1250.00 |
| 56) | Hexachlorobutadiene | | ND | 250.00 |

MTBE ND — 625.0

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 458262 | 462445 | OK | 7.58 | 7.60 | OK |
| 1,4-Difluorobenzene | 1069891 | 1056724 | OK | 9.28 | 9.32 | OK |
| Chlorobenzene-d5 | 922429 | 865406 | OK | 14.77 | 14.78 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 46.94 | 93.9 |
| Toluene-d8 | 50 | 48.48 | 97.0 |
| 4-Bromofluorobenzene | 50 | 45.29 | 90.6 |

Comments:

Foot Notes:

1st Review: 06/18/99 2nd Review: PK 6/18/99



JUN 18'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.04

# TENTATIVELY IDENTIFIED COMPOUNDS

## SANTA ANA - AIR TOXICS

CLIENT ID: 18708-1188

SAMPLE NO: M9F170281-3

ANALYSIS DATE: 6/17/99

DILUTION FACTOR: 62.5

DATA FILE: A3094

| RETEN. TIME | CAS NO. | COMPOUND | CONC. (ppbv) |
|---|---|---|---|
| | | NO TICS FOUND | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COMMENTS

REDUCED BY: AA 06/18/99

REVIEWED BY: PN 6/18/99

TIC.XLS

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FE102 OHM M9F170281-4 | **Data Analyzed:** | 17 Jun 99 17:56 |
| **Misc. Info:** | 500ml 18708-1189 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3092.D | **Shift Cali.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.04 | ND | 2.00 |
| 3) | Chloromethane | -0.00 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | 0.02 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | -0.00 | ND | 2.00 |
| 10) | Carbon Disulfide | 0.03 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | 8.82 | 2.00 |
| 12) | Acetone | 0.02 | 17.53 | 10.00 |
| 13) | Methylene Chloride | 0.02 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | | ND | 2.00 |
| 16) | Vinyl Acetate | 0.03 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | 0.02 | ND | 10.00 |
| 19) | Chloroform | 0.03 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | -0.04 | ND | 2.00 |
| 23) | Benzene | 0.01 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.00 | 44.14 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 10.00 |
| 32) | Toluene | -0.09 | ND | ~~2.00~~ 5.00 |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.48 | ND | 2.00 |
| 36) | Tetrachloroethene | -0.03 | 2.08 | 2.00 |
| 37) | 2-Hexanone | | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | 0.18 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.02 | ND | 2.00 |
| 43) | o-Xylene | 0.02 | ND | 2.00 |
| 44) | Styrene | -0.01 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 18'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.06

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FE102 OHM M9F170281-4 | **Data Analyzed:** | 06/17/99 17:56 |
| **Misc. Info:** | 500ml 18708-1189 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3092.D | **Shift Call.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 2.00 |
| 48) | Benzyl Chloride | 0.08 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.25 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.13 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.20 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 20.00 |
| 56) | Hexachlorobutadiene | | ND | 4.00 |

MTBE ND AT 10.0

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 458262 | 483025 | OK | 7.58 | 7.58 | OK |
| 1,4-Difluorobenzene | 1089891 | 1023045 | OK | 9.28 | 9.28 | OK |
| Chlorobenzene-d5 | 922429 | 911555 | OK | 14.77 | 14.62 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.47 | 98.9 |
| Toluene-d8 | 50 | 44.29 | 88.6 |
| 4-Bromofluorobenzene | 50 | 47.34 | 94.7 |

Comments:

Foot Notes:

1st Review: AA 06/8/99

2nd Review: PMC 6/18/99



JUN 18'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.07

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FF102 OHM M9F170281-5 | **Data Analyzed:** | 17 Jun 99 18:23 |
| **Misc. Info:** | 500ml 18708-1190 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3093.D | **Shift Call.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.01 | ND | 2.00 |
| 3) | Chloromethane | 0.01 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | 0.16 | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | 0.00 | 4.78 | 2.00 |
| 10) | Carbon Disulfide | 0.03 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 3.24 | 2.00 |
| 12) | Acetone | 0.01 | 15.79 | 10.00 |
| 13) | Methylene Chloride | 0.02 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | -0.21 | ND | 2.00 |
| 15) | 1,1-Dichloroethane | -0.16 | ND | 2.00 |
| 16) | Vinyl Acetate | -0.38 | ~~12.26~~ ND RT NS | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | 0.00 | ND | 10.00 |
| 19) | Chloroform | 0.01 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | 0.03 | ND | 2.00 |
| 23) | Benzene | 0.02 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.01 | 13.74 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | 0.50 | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.10 | ND | 10.00 |
| 32) | Toluene | -0.09 | ND | ~~2.00~~ 5.00 |
| 34) | t-1,3-Dichloropropene | 0.62 | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.39 | ND | 2.00 |
| 36) | Tetrachloroethene | 0.00 | ND | 2.00 |
| 37) | 2-Hexanone | 0.06 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | 0.31 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.04 | ND | 2.00 |
| 43) | o-Xylene | 0.04 | ND | 2.00 |
| 44) | Styrene | 0.10 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 18'99 16:13 FR 714 258 0921 TO IT GROUP IRVINE P.08

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FF102 OHM M9F170281-5 | **Data Analyzed:** | 06/17/99 18:23 |
| **Misc. Info:** | 500ml 18708-1190 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3093.D | **Shift Cali.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.06 | ND | 2.00 |
| 48) | Benzyl Chloride | 0.44 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.11 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.18 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.21 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 20.00 |
| 56) | Hexachlorobutadiene | | ND | 4.00 |
| | MTBE | | ND | 10.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 458262 | 490482 | OK | 7.58 | 7.59 | OK |
| 1,4-Difluorobenzene | 1069891 | 1054512 | OK | 9.28 | 9.28 | OK |
| Chlorobenzene-d5 | 922429 | 907559 | OK | 14.77 | 14.58 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 47.02 | 94.0 |
| Toluene-d8 | 50 | 42.96 | 85.9 |
| 4-Bromofluorobenzene | 50 | 48.59 | 97.2 |

Comments:

Foot Notes:

1st Review: AA 6/8/99

2nd Review: PAr 6/8/99



JUN 18'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.09

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FD102 OHM M9F170281-3 | **Data Analyzed:** | 17 Jun 99 18:51 |
| **Misc. Info:** | 8ml 18708-1188 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3094.D | **Shift Call.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA-1\990614\ | **Dilution Factor:** | 62.5 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | | ND | 0.6169 |
| 3) | Chloromethane | | ND | 0.5153 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.8720 |
| 5) | Vinyl Chloride | | ND | 0.3189 |
| 6) | Bromomethane | 0.02 | ND | 0.4844 |
| 7) | Chloroethane | | ND | 0.6583 |
| 8) | Trichlorofluoromethane (11) | | ND | 0.7009 |
| 9) | 1,1-Dichloroethene | -0.02 | 7.4720 | 0.4946 |
| 10) | Carbon Disulfide | | ND | 1.9425 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 3.1154 | 0.9560 |
| 12) | Acetone | -0.06 | ND | 1.4819 |
| 13) | Methylene Chloride | -0.00 | ND | 0.4334 |
| 14) | t-1,2-Dichloroethene | -0.12 | ND | 0.4946 |
| 15) | 1,1-Dichloroethane | -0.01 | ND | 0.5049 |
| 16) | Vinyl Acetate | -0.33 | ND | 2.1963 |
| 17) | c-1,2-Dichloroethene | 0.01 | ND | 0.4946 |
| 18) | 2-Butanone | | ND | 1.8394 |
| 19) | Chloroform | 0.03 | ND | 0.6091 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.6806 |
| 21) | Carbon Tetrachloride | -0.02 | ND | 0.7847 |
| 23) | Benzene | 0.04 | ND | 0.3985 |
| 25) | 1,2-Dichloroethane | | ND | 0.5049 |
| 26) | Trichloroethene | 0.02 | 58.8037 | 0.6704 |
| 27) | 1,2-Dichloropropane | -0.36 | ND | 0.5765 |
| 28) | Bromodichloromethane | | ND | 0.8359 |
| 29) | c-1,3-Dichloropropene | | ND | 0.5661 |
| 30) | 4-Methyl-2-Pentanone | -0.05 | ND | 2.5550 |
| 32) | Toluene | | ND | ~~0.4701~~ ~~1.875~~ 1.18 |
| 34) | t-1,3-Dichloropropene | | ND | 0.5661 |
| 35) | 1,1,2-Trichloroethane | 0.08 | ND | 0.6806 |
| 36) | Tetrachloroethene | 0.02 | 1.5776 | 0.8461 |
| 37) | 2-Hexanone | | ND | 7.6650 |
| 38) | Dibromochloromethane | | ND | 1.0628 |
| 39) | 1,2-Dibromoethane | | ND | 0.9585 |
| 40) | Chlorobenzene | | ND | 0.5743 |
| 41) | Ethylbenzene | -0.39 | ND | 0.5416 |
| 42) | p,&m-Xylene | | ND | 0.5416 |
| 43) | o-Xylene | | ND | 0.5416 |
| 44) | Styrene | | ND | 0.5314 |
| 45) | Bromoform | | ND | 1.2895 |



JUN 18'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.10

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FD102 OHM M9F170281-3 | **Data Analyzed:** | 06/17/99 18:51 |
| **Misc. Info:** | 8ml 18708-1188 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | A3094.D | **Shift Call.File:** | CC06171.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 62.5 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.50 | ND | 0.8564 |
| 48) | Benzyl Chloride | 0.18 | ND | 3.2350 |
| 49) | 4-Ethyl Toluene | 0.18 | ND | 0.6133 |
| 50) | 1,3,5-Trimethylbenzene | | ND | 0.6133 |
| 51) | 1,2,4-Trimethylbenzene | -0.25 | ND | 0.6133 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.7500 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.7500 |
| 54) | 1,2-Dichlorobenzene | | ND | 0.7500 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 9.2575 |
| 56) | Hexachlorobutadiene | | ND | 2.6608 |
| | | | ND | 2.25 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 458262 | 462445 | OK | 7.58 | 7.60 | OK |
| 1,4-Difluorobenzene | 1069891 | 1056724 | OK | 9.28 | 9.32 | OK |
| Chlorobenzene-d5 | 922429 | 865406 | OK | 14.77 | 14.78 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 46.94 | 93.9 |
| Toluene-d8 | 50 | 48.48 | 97.0 |
| 4-Bromofluorobenzene | 50 | 45.29 | 90.6 |

Comments:

Foot Notes:

1st Review: AA 06/18/99 2nd Review PAT 6/18/99



JUN 18'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.11

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX2FE102 OHM M9F170281-4 | **Data Analyzed:** | 17 Jun 99 17:56 |
| **Misc. Info:** | 500ml 18708-1189 TEDLAR | **Method:** | MSA0617 |
| **Data Name:** | a3092.d | **Shift Cali.File:** | CC06171.D |
| **Data Path:** | d:\gcmsa-1\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.04 | ND | 0.0099 |
| 3) | Chloromethane | -0.00 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethane | | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | 0.02 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.00 | ND | 0.0079 |
| 10) | Carbon Disulfide | 0.03 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | 0.0674 | 0.0153 |
| 12) | Acetone | 0.02 | 0.0416 | 0.0237 |
| 13) | Methylene Chloride | 0.02 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.03 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.02 | ND | 0.0294 |
| 19) | Chloroform | 0.03 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.04 | ND | 0.0126 |
| 23) | Benzene | 0.01 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.00 | 0.2367 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 0.0409 |
| 32) | Toluene | -0.09 | ND | ~~0.0975~~ 0.019 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.48 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.03 | 0.0141 | 0.0135 |
| 37) | 2-Hexanone | | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.18 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.02 | ND | 0.0087 |
| 43) | o-Xylene | 0.02 | ND | 0.0087 |
| 44) | Styrene | -0.01 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 18'99 16:14 FR 714 258 0921 TO IT GROUP IRVINE P.12

| | | | |
|---|---|---|---|
| Sample Name: | CX2FE102 OHM M9F170281-4 | Data Analyzed: | 06/17/99 17:56 |
| Misc. Info: | 500ml 18708-1189 TEDLAR | Method: | MSA0617 |
| Data Name: | a3092.d | Shift Cali.File: | CC06171.D |
| Data Path: | d:\gcmsa-1\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.08 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.25 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.13 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.20 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 458262 | 483025 | OK | 7.58 | 7.58 | OK |
| 1,4-Difluorobenzene | 1069891 | 1023045 | OK | 9.28 | 9.28 | OK |
| Chlorobenzene-d5 | 922429 | 911555 | OK | 14.77 | 14.62 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.47 | 98.9 |
| Toluene-d8 | 50 | 44.29 | 88.6 |
| 4-Bromofluorobenzene | 50 | 47.34 | 94.7 |

Comments:

Foot Notes:

1st Review: AS 06/18/99 2nd Review PNr 6/18/99



JUN 18'99 16:15 FR 714 258 0921 TO IT GROUP IRVINE P.13

**OHM Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

24SVE138 - 72 hrs. 222550

FORM 0019 REV. 2-97

00330 1

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L. Bentkowski | LAB COORDINATOR'S PHONE: (419-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY SERVICE ID | LABORATORY CONTACT: Quanterra | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: El Toro | PROJECT LOCATION: El Toro - DO 65 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 909-590-1828 | LABORATORY FAX: — | RECIPIENT NAME: Duayne Ishida |
| PROJECT CONTACT: L. Bentkowski | PROJECT PHONE NUMBER: 949-451-1661 | PROJECT FAX: — | LABORATORY ADDRESS: 1721 Grand | ADDRESS: 3347 Michelson, Suite 200 | |
| PROJECT ADDRESS: — | CITY, STATE AND ZIPCODE: — | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: Santa Ana, CA | CITY, STATE AND ZIPCODE: Irvine, CA | |
| PROJECT MANAGER: B. Sedlak | PROJECT MANAGER'S PHONE: (949) 861-1661 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses: D-4 | Contract-HVOC | Comments: Analyze Air Bag First |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-11160 | vapor | 6/11 | 1246 | — | 2 | 3 | 5day | X | | |
| 2 | 18708-11161 | vapor | 6/11 | 1250 | — | 3 | 3 | 5day | X | | |
| 3 | 18708-11162 | vapor | 6/11 | 1257 | — | 2 | 3 | 24hr | X | X | Analyze if 18708-11163 is detected |
| 4 | 18708-11163 | vapor | 6/11 | 1308 | — | 2 | 3 | 24hr | X | X | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |

B 11/96

| Sample Point Location | G | C | F | QC |
|---|---|---|---|---|
| 24SVE138 72 hrs. | | | | |
| 1 24SVE138 Ambient 72 hrs. | | | | X |
| 2 24SVE138 Influent 72 hrs. | X | | | |
| 3 24SVE138 ~~Midpoint~~ Effluent 72 hrs. | X | | | |
| 4 24SVE138 ~~Effluent~~ Midpoint 72 hrs. | X | | | |

Sample Type

Comments: Vap 96

Samp ... Sample.

SAMPLES COLLECTED BY: R. Bentkowski

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| R. Bentkowski | [illegible] | 6/11/96 | 1355 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

**IT CORPORATION**

**Client Sample ID: 18708-1160**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-001 **Work Order #...:** CWRJ5102 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 12:46 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166409 **Analysis Time..:** 18:48
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1160**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-001 **Work Order #...:** CWRJ5102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1161**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-002 **Work Order #...:** CWRJ6102 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 12:50 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166409 **Analysis Time..:** 19:17
**Dilution Factor:** 100
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 200 | ppb(v/v) |
| Chloromethane | ND | 400 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 200 | ppb(v/v) |
| Vinyl chloride | ND | 200 | ppb(v/v) |
| Bromomethane | ND | 200 | ppb(v/v) |
| Chloroethane | ND | 400 | ppb(v/v) |
| Trichlorofluoromethane | ND | 200 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 200 | ppb(v/v) |
| Carbon disulfide | ND | 1000 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **13000** | **200** | **ppb(v/v)** |
| Acetone | ND | 1000 | ppb(v/v) |
| Methylene chloride | ND | 200 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 200 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 200 | ppb(v/v) |
| Vinyl acetate | ND | 1000 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 200 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 1000 | ppb(v/v) |
| Chloroform | ND | 200 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 200 | ppb(v/v) |
| **Carbon tetrachloride** | **500** | **200** | **ppb(v/v)** |
| Benzene | ND | 200 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 200 | ppb(v/v) |
| **Trichloroethene** | **18000** | **200** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 200 | ppb(v/v) |
| Bromodichloromethane | ND | 200 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 200 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 1000 | ppb(v/v) |
| Toluene | ND | 500 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 200 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 200 | ppb(v/v) |
| **Tetrachloroethene** | **490** | **200** | **ppb(v/v)** |
| 2-Hexanone | ND | 3000 | ppb(v/v) |
| Dibromochloromethane | ND | 200 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 200 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1161**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-002 **Work Order #...:** CWRJ6102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 200 | ppb(v/v) |
| Ethylbenzene | ND | 200 | ppb(v/v) |
| Xylenes (total) | ND | 200 | ppb(v/v) |
| Styrene | ND | 200 | ppb(v/v) |
| Bromoform | ND | 200 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 200 | ppb(v/v) |
| Benzyl chloride | ND | 1000 | ppb(v/v) |
| 4-Ethyltoluene | ND | 200 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 200 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 200 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 200 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 200 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 200 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 2000 | ppb(v/v) |
| Hexachlorobutadiene | ND | 400 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 1000 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1162**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-003 **Work Order #...:** CWRJ7102 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 12:57 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166411 **Analysis Time..:** 19:25
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| **Acetone** | **12** | **10** | **ppb(v/v)** |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **12** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1162**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-003 **Work Order #...:** CWRJ7102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1163**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-004 **Work Order #...:** CWRJ9102 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 13:08 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166411 **Analysis Time..:** 20:35
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **4.6** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1163**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-004 **Work Order #...:** CWRJ9102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1160**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-001 **Work Order #...:** CWRJ5101 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 12:46 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166413 **Analysis Time..:** 18:48
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1160**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-001 **Work Order #...:** CWRJ5101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1161**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-002 **Work Order #...:** CWRJ6101 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 12:50 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166413 **Analysis Time..:** 19:17
**Dilution Factor:** 100
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.99 | ug/L |
| Chloromethane | ND | 0.82 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 1.4 | ug/L |
| Vinyl chloride | ND | 0.51 | ug/L |
| Bromomethane | ND | 0.78 | ug/L |
| Chloroethane | ND | 1.1 | ug/L |
| Trichlorofluoromethane | ND | 1.1 | ug/L |
| 1,1-Dichloroethene | ND | 0.79 | ug/L |
| Carbon disulfide | ND | 3.1 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **100** | **1.5** | **ug/L** |
| Acetone | ND | 2.4 | ug/L |
| Methylene chloride | ND | 0.69 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.79 | ug/L |
| 1,1-Dichloroethane | ND | 0.81 | ug/L |
| Vinyl acetate | ND | 3.5 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.79 | ug/L |
| 2-Butanone (MEK) | ND | 2.9 | ug/L |
| Chloroform | ND | 0.97 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.1 | ug/L |
| **Carbon tetrachloride** | **3.2** | **1.3** | **ug/L** |
| Benzene | ND | 0.64 | ug/L |
| 1,2-Dichloroethane | ND | 0.81 | ug/L |
| **Trichloroethene** | **95** | **1.1** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.92 | ug/L |
| Bromodichloromethane | ND | 1.3 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.91 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 4.1 | ug/L |
| Toluene | ND | 1.9 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.91 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.1 | ug/L |
| **Tetrachloroethene** | **3.3** | **1.4** | **ug/L** |
| 2-Hexanone | ND | 12 | ug/L |
| Dibromochloromethane | ND | 1.7 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 1.5 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1161**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-002 **Work Order #...:** CWRJ6101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.92 | ug/L |
| Ethylbenzene | ND | 0.87 | ug/L |
| Xylenes (total) | ND | 0.87 | ug/L |
| Styrene | ND | 0.85 | ug/L |
| Bromoform | ND | 2.1 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.4 | ug/L |
| Benzyl chloride | ND | 5.2 | ug/L |
| 4-Ethyltoluene | ND | 0.98 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.98 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.98 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.2 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 15 | ug/L |
| Hexachlorobutadiene | ND | 4.3 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 3.6 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1162**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-003 **Work Order #...:** CWRJ7101 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 12:57 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166424 **Analysis Time..:** 19:25
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| **Acetone** | **0.029** | **0.024** | **ug/L** |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.067** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1162**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-003 **Work Order #...:** CWRJ7101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1163**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-004 **Work Order #...:** CWRJ9101 **Matrix.....:** AIR
**Date Sampled...:** 06/11/99 13:08 **Date Received..:** 06/11/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9166424 **Analysis Time..:** 20:35
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.025** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1163**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F110215-004 **Work Order #...:** CWRJ9101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**OHM Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

24SVE138-48hr 222549

FORM 0019 REV. 2-97

06000330/

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L. Bienkowski | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY SERVICE ID: M9E100204 | LABORATORY CONTACT: Quantera | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: El Toro | PROJECT LOCATION: El Toro - DO 65 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 661-540-1828 | LABORATORY FAX: | RECIPIENT NAME: Duwayne Ishida |
| PROJECT CONTACT: L. Bienkowski | PROJECT PHONE NUMBER: 949-451-1661 | PROJECT FAX: | LABORATORY ADDRESS: 1721 Grand | | ADDRESS: 3347 Michelson, Suite 200 |
| PROJECT ADDRESS: | CITY, STATE AND ZIPCODE: | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: Santa Ana, CA | | CITY, STATE AND ZIPCODE: Irvine, CA |
| PROJECT MANAGER: D. Sedlak | PROJECT MANAGER'S PHONE: 949-261-1661 | PROJECT MANAGER'S FAX: | | | |

| Item | Sample Identifier | Matrix | Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses TO-14 | Contingent Hold | Comments: Analyze "A" Bag First | Sample Point Location | G | C | F | QC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1155 | vapor | 6/10 | 1121 | — | 2 | 3 | 5 day | X | | | (1) 24SVE138 Ambient 48hr | | | | X |
| 2 | 18708-1156 | vapor | 6/10 | 1124 | — | 3 | 3 | 5 day | X | | | (2) 24SVE138 Influent 48hr | | | | |
| 3 | 18708-1157 | vapor | 6/10 | ~~1133~~ 1126 | — | 2 | 4 | 5 day | X | | | (3) 24SVE138 Influent 48hr (DUP) | | | | X |
| 4 | 18708-1158 | vapor | 6/10 | 1133 | — | 2 | 3 | 24 hr. | X | | | (4) 24SVE138 midpoint 48hr | | | | |
| 5 | 18708-1159 | vapor | 6/10 | 1137 | — | 2 | 3 | 24 hr. | X | (X) | Analyze if 18708-1158 is detected. | (5) 24SVE138 Effluent 48hr. Midpoint | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

SAMPLES COLLECTED BY: L. Bienkowski

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| Lisa Bienkowski | [illegible] | 6/10/99 | 1220 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

24SVE138 48hr.

Comm

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

**IT CORPORATION**

**Client Sample ID: 18708-1155**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-001 **Work Order #...:** CWPG7102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:21 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165180 **Analysis Time..:** 18:42
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1155**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-001 **Work Order #...:** CWPG7102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1156**

**GC/MS Volatiles**

**Lot-Sample #...:** M9P100204-002 **Work Order #...:** CWPGC102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:24 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165180 **Analysis Time..:** 19:16
**Dilution Factor:** 120
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 240 | ppb(v/v) |
| Chloromethane | ND | 480 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 240 | ppb(v/v) |
| Vinyl chloride | ND | 240 | ppb(v/v) |
| Bromomethane | ND | 240 | ppb(v/v) |
| Chloroethane | ND | 480 | ppb(v/v) |
| Trichlorofluoromethane | ND | 240 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 240 | ppb(v/v) |
| Carbon disulfide | ND | 1200 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **18000** | **240** | **ppb(v/v)** |
| Acetone | ND | 1200 | ppb(v/v) |
| Methylene chloride | ND | 240 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 240 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 240 | ppb(v/v) |
| Vinyl acetate | ND | 1200 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 240 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 1200 | ppb(v/v) |
| Chloroform | ND | 240 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 240 | ppb(v/v) |
| **Carbon tetrachloride** | **510** | **240** | **ppb(v/v)** |
| Benzene | ND | 240 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 240 | ppb(v/v) |
| **Trichloroethene** | **25000** | **240** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 240 | ppb(v/v) |
| Bromodichloromethane | ND | 240 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 240 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 1200 | ppb(v/v) |
| Toluene | ND | 600 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 240 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 240 | ppb(v/v) |
| **Tetrachloroethene** | **470** | **240** | **ppb(v/v)** |
| 2-Hexanone | ND | 3600 | ppb(v/v) |
| Dibromochloromethane | ND | 240 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 240 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1156**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-002 **Work Order #...:** CWPGC102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 240 | ppb(v/v) |
| Ethylbenzene | ND | 240 | ppb(v/v) |
| Xylenes (total) | ND | 240 | ppb(v/v) |
| Styrene | ND | 240 | ppb(v/v) |
| Bromoform | ND | 240 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 240 | ppb(v/v) |
| Benzyl chloride | ND | 1200 | ppb(v/v) |
| 4-Ethyltoluene | ND | 240 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 240 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 240 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 240 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 240 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 240 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 2400 | ppb(v/v) |
| Hexachlorobutadiene | ND | 480 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 1200 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1157**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-003 **Work Order #...:** CWPGG102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:26 **Date Received..:** 06/10/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9165204 **Analysis Time..:** 12:47
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **23** | **2.0** | **ppb(v/v)** |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| **Carbon tetrachloride** | **2.1** | **2.0** | **ppb(v/v)** |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **160** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| **Tetrachloroethene** | **7.2** | **2.0** | **ppb(v/v)** |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1157**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-003 **Work Order #...:** CWPGG102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1158**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-004 **Work Order #...:** CWPGH102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:33 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165207 **Analysis Time..:** 15:41
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **2.4** | **2.0** | **ppb(v/v)** |
| **Acetone** | **10** | **10** | **ppb(v/v)** |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **32** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| **Tetrachloroethene** | **2.1** | **2.0** | **ppb(v/v)** |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1158**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-004 **Work Order #...:** CWPGH102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1159**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-005 **Work Order #...:** CWPGL102 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:37 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165207 **Analysis Time..:** 16:09
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| **Trichloroethene** | **17** | **2.0** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1159**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-005 **Work Order #...:** CWPGL102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1155**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-001 **Work Order #...:** CWPG7101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:21 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165182 **Analysis Time..:** 18:42
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1155**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-001 **Work Order #...:** CWPG7101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

M

**IT CORPORATION**

**Client Sample ID: 18708-1156**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-002 **Work Order #...:** CWPGC101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:24 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165182 **Analysis Time..:** 19:16
**Dilution Factor:** 120
**Analyst ID.....:** 358011 **Instrument ID..:** MSA
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 1.2 | ug/L |
| Chloromethane | ND | 0.98 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 1.7 | ug/L |
| Vinyl chloride | ND | 0.61 | ug/L |
| Bromomethane | ND | 0.94 | ug/L |
| Chloroethane | ND | 1.3 | ug/L |
| Trichlorofluoromethane | ND | 1.3 | ug/L |
| 1,1-Dichloroethene | ND | 0.95 | ug/L |
| Carbon disulfide | ND | 3.7 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **140** | **1.8** | **ug/L** |
| Acetone | ND | 2.9 | ug/L |
| Methylene chloride | ND | 0.83 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.95 | ug/L |
| 1,1-Dichloroethane | ND | 0.97 | ug/L |
| Vinyl acetate | ND | 4.2 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.95 | ug/L |
| 2-Butanone (MEK) | ND | 3.5 | ug/L |
| Chloroform | ND | 1.2 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.3 | ug/L |
| **Carbon tetrachloride** | **3.2** | **1.6** | **ug/L** |
| Benzene | ND | 0.77 | ug/L |
| 1,2-Dichloroethane | ND | 0.97 | ug/L |
| **Trichloroethene** | **130** | **1.3** | **ug/L** |
| 1,2-Dichloropropane | ND | 1.1 | ug/L |
| Bromodichloromethane | ND | 1.6 | ug/L |
| cis-1,3-Dichloropropene | ND | 1.1 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 4.9 | ug/L |
| Toluene | ND | 2.3 | ug/L |
| trans-1,3-Dichloropropene | ND | 1.1 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.3 | ug/L |
| **Tetrachloroethene** | **3.2** | **1.7** | **ug/L** |
| 2-Hexanone | ND | 14 | ug/L |
| Dibromochloromethane | ND | 2.0 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 1.8 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1156**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-002 **Work Order #...:** CWPGC101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 1.1 | ug/L |
| Ethylbenzene | ND | 1.0 | ug/L |
| Xylenes (total) | ND | 1.0 | ug/L |
| Styrene | ND | 1.0 | ug/L |
| Bromoform | ND | 2.5 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.7 | ug/L |
| Benzyl chloride | ND | 6.2 | ug/L |
| 4-Ethyltoluene | ND | 1.2 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 1.2 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 1.2 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.4 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.4 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.4 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 18 | ug/L |
| Hexachlorobutadiene | ND | 5.2 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 4.3 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1157**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-003 **Work Order #...:** CWPGG101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:26 **Date Received..:** 06/10/99
**Prep Date.....:** 06/11/99 **Analysis Date..:** 06/11/99
**Prep Batch #...:** 9165209 **Analysis Time..:** 12:47
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **0.17** | **0.015** | **ug/L** |
| Acetone | ND | 0.024 | ug/L |
| ethylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| **Carbon tetrachloride** | **0.013** | **0.013** | **ug/L** |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.84** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| **Tetrachloroethene** | **0.049** | **0.014** | **ug/L** |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1157**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-003 **Work Order #...:** CWPGG101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

IT CORPORATION

Client Sample ID: 18708-1158

GC/MS Volatiles

**Lot-Sample #...:** M9F100204-004 **Work Order #...:** CWPGH101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:33 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165210 **Analysis Time..:** 15:41
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **0.019** | **0.015** | **ug/L** |
| **Acetone** | **0.025** | **0.024** | **ug/L** |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.17** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| **Tetrachloroethene** | **0.014** | **0.014** | **ug/L** |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1158**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-004 **Work Order #...:** CWPGH101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

M

**IT CORPORATION**

**Client Sample ID: 18708-1159**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-005 **Work Order #...:** CWPGL101 **Matrix.....:** AIR
**Date Sampled...:** 06/10/99 11:37 **Date Received..:** 06/10/99
**Prep Date.....:** 06/10/99 **Analysis Date..:** 06/10/99
**Prep Batch #...:** 9165210 **Analysis Time..:** 16:09
**Dilution Factor:** 1
**Analyst ID.....:** 358011 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| **Trichloroethene** | **0.091** | **0.011** | **ug/L** |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1159**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F100204-005 **Work Order #...:** CWPGL101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

M

**IT CORPORATION**

**18708-1157**

**GC/MS Volatiles**

**Lot-Sample #:** M9F100204-003 **Work Order #:** CWPGG102 **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| O2 subt'd branched alkane C8 | | 110 | M | 20.04 | ppb(v/v) |
| Hydroxy subt'd cyclic alke C6 | | 69 | M | 20.43 | ppb(v/v) |
| O2 subt'd branched alkene C10 | | 32 | M | 20.96 | ppb(v/v) |
| No Match Found | | 16 | M | 22.1 | ppb(v/v) |

**NOTE(S):**

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

**OHM Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

24SVE138-24hr 222546

FORM 0019 REV. 2-97

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L BIENKOWSKI | LAB COORDINATOR'S PHONE: (949) 660-7537 | LAB COORDINATOR'S FAX: (949) 415-5433 | LABORATORY SERVICE ID: | LABORATORY CONTACT: QUANTERRA | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: MCAS EL TORO | PROJECT LOCATION: EL TORO DUCS | PROJECT NUMBER: 18709 | LABORATORY PHONE: 714-895-8610 | LABORATORY FAX: — | RECIPIENT NAME: DWAYNE LUNDY |
| PROJECT CONTACT: L BIENKOWSKI | PROJECT PHONE NUMBER: (949) 451-1665 | PROJECT FAX: (949) 451-1672 | LABORATORY ADDRESS: 1721 GRAND | ADDRESS: 3347 MICHELSON SUITE 200 | |
| PROJECT ADDRESS: — | CITY, STATE AND ZIPCODE: — | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: SANTA ANA, CA | CITY, STATE, AND ZIPCODE: IRVINE, CA | |
| PROJECT MANAGER: E. SKEDDAR | PROJECT MANAGER'S PHONE: (949) 261-1661 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | Date | Time | Preserved | # of Cont. | QC Level | T.A.T | Analyses: TO14 Continuous Hold | | | | | | | | Comments: Analyze "A" sample first |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18709-1147 | VAPOR | 6/9/99 | 1210 | — | 2 | 3 | 5 DAY | X | | | | | | | | |
| 2 | 18709-1148 | VAPOR | 6/9/99 | 1215 | — | 3 | 3 | 5 DAY | X | | | | | | | | |
| 3 | 18709-1149 | VAPOR | 6/9/99 | 1217 | — | 2 | 3 | 24 HR | X | | | | | | | | |
| 4 | 18709-1150 | VAPOR | 6/9/99 | 1220 | — | 2 | 3 | 24 HR | X | X | | | | | | | Analyze using TO 14 18709-1144 is detected |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

SAMPLES COLLECTED BY: T. TONES

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| [signature] | [signature] | 6/9/99 | 2:30pm | |
| | | | | |
| | | | | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

06003301

24SVE138
24hr

| Sample Point Location | Sample Type: G | C | F | QC |
|---|---|---|---|---|
| 1. AMBIENT SVE138 24 HR | | | | |
| 2. 24SVE138 INF 24 HR | | | | |
| 3. 24SVE138 MID 24 HR | | | | |
| 4. 24SVE138 EFF 24 HR | | | | |

Comments

Sample, ... Field Sample, QC - Quality Control Sample

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWNCE102 OHM M9F090254-1 | **Data Analyzed:** | 9 Jun 99 17:11 |
| **Misc. Info:** | 500 ml 18708-1147 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1950.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | d:\gcmsb\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.07 | ND | 2.00 |
| 3) Chloromethane | -0.05 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | -0.00 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.01 | ND | 2.00 |
| 9) 1,1-Dichloroethene | -0.02 | ND | 2.00 |
| 10) Carbon Disulfide | -0.03 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.04 | ND | 2.00 |
| 12) Acetone | 0.00 | ND | 10.00 |
| 13) Methylene Chloride | 0.02 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | 0.06 | ND | 2.00 |
| 16) Vinyl Acetate | -0.04 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | -0.04 | ND | 10.00 |
| 19) Chloroform | -0.01 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | -0.02 | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.01 | ND | 2.00 |
| 23) Benzene | 0.01 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | 0.01 | 14.20 | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | | ND | 2.00 |
| 29) c-1,3-Dichloropropene | 0.28 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.01 | ND | 10.00 |
| 32) Toluene | -0.10 | ND | 2.00 |
| 34) t-1,3-Dichloropropene | | ND | ~~2.00~~ 5.00 |
| 35) 1,1,2-Trichloroethane | -0.35 | ND | 2.00 |
| 36) Tetrachloroethene | -0.01 | 6.13 | 2.00 |
| 37) 2-Hexanone | -0.32 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | -0.01 | ND | 2.00 |
| 42) p,&m-Xylene | -0.02 | ND | 2.00 |
| 43) o-Xylene | 0.02 | ND | 2.00 |
| 44) Styrene | 0.01 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |

| | | | |
|---|---|---|---|
| Sample Name: | CWNCE102 OHM M9F090254-1 | Data Analyzed: | 06/ 9/99 17:11 |
| Misc. Info: | 500 ml 18708-1147 TEDLAR BAG | Method: | MSB0609 |
| Data Name: | B1950.D | Shift Call.File: | CC06091.D |
| Data Path: | d:\gcmsb\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.35 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.02 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.07 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.06 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.10 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.32 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.12 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.38 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | -0.25 | ND | 20.00 |
| 56) | Hexachlorobutadiene | -0.49 | ND | 4.00 |
| | MTBE | | ND | 10.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 258026 | OK | 7.08 | 7.11 | OK |
| 1,4-Difluorobenzene | 1166021 | 1111782 | OK | 8.73 | 8.74 | OK |
| Chlorobenzene-d5 | 651697 | 482907 | OK | 14.06 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.16 | 100.3 |
| Toluene-d8 | 50 | 40.51 | 81.0 |
| 4-Bromofluorobenzene | 50 | 51.05 | 102.1 |

Comments:

Foot Notes:

1st Review: 6/14/99

2nd Review: 10 0615



JUN 16'99 8:31 FR 714 258 0921 TO 11 GROUP IRVINE P.04

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWNCX102 OHM M9F090254-2 | **Data Analyzed:** | 9 Jun 99 17:39 |
| **Misc. Info:** | 4ml 18708-1148 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1951.D | **Shift Cali.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 125 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | | ND | 250.00 |
| 3) Chloromethane | | ND | 500.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 250.00 |
| 5) Vinyl Chloride | | ND | 250.00 |
| 6) Bromomethane | -0.03 | ND | 250.00 |
| 7) Chloroethane | | ND | 500.00 |
| 8) Trichlorofluoromethane (11) | | ND | 250.00 |
| 9) 1,1-Dichloroethene | -0.01 | ND | 250.00 |
| 10) Carbon Disulfide | -0.02 | ND | 1250.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | 28147.27 | 250.00 |
| 12) Acetone | -0.05 | ~~1591.34~~ ND RT | 1250.00 |
| 13) Methylene Chloride | | ND | 250.00 |
| 14) t-1,2-Dichloroethene | | ND | 250.00 |
| 15) 1,1-Dichloroethane | | ND | 250.00 |
| 16) Vinyl Acetate | -0.08 | ND | 1250.00 |
| 17) c-1,2-Dichloroethene | | ND | 250.00 |
| 18) 2-Butanone | | ND | 1250.00 |
| 19) Chloroform | -0.01 | ND | 250.00 |
| 20) 1,1,1-Trichloroethane | | ND | 250.00 |
| 21) Carbon Tetrachloride | 0.01 | 838.85 | 250.00 |
| 23) Benzene | | ND | 250.00 |
| 25) 1,2-Dichloroethane | | ND | 250.00 |
| 26) Trichloroethene | 0.03 | 26071.31 | 250.00 |
| 27) 1,2-Dichloropropane | -0.33 | ~~273.81~~ ND RT | 250.00 |
| 28) Bromodichloromethane | | ND | 250.00 |
| 29) c-1,3-Dichloropropene | -0.54 | ND | 250.00 |
| 30) 4-Methyl-2-Pentanone | -0.01 | ND | 1250.00 |
| 32) Toluene | -0.22 | ND | ~~250.00~~ ~~625.~~ 625. |
| 34) t-1,3-Dichloropropene | | ND | 250.00 |
| 35) 1,1,2-Trichloroethane | 0.16 | ND | 250.00 |
| 36) Tetrachloroethene | 0.01 | 774.00 | 250.00 |
| 37) 2-Hexanone | | ND | 3750.00 |
| 38) Dibromochloromethane | | ND | 250.00 |
| 39) 1,2-Dibromoethane | | ND | 250.00 |
| 40) Chlorobenzene | | ND | 250.00 |
| 41) Ethylbenzene | | ND | 250.00 |
| 42) p,&m-Xylene | | ND | 250.00 |
| 43) o-Xylene | | ND | 250.00 |
| 44) Styrene | | ND | 250.00 |
| 45) Bromoform | | ND | 250.00 |



JUN 16'99 8:31 FR 714 258 0921 TO IT GROUP IRVINE P.05

| | | | |
|---|---|---|---|
| **Sample Name:** | CWNCX102 OHM M9F090254-2 | **Data Analyzed:** | 06/ 9/99 17:39 |
| **Misc. Info:** | 4ml 18708-1148 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1951.D | **Shift Cal.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 125 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | | ND | 250.00 |
| 48) Benzyl Chloride | -0.00 | ND | 1250.00 |
| 49) 4-Ethyl Toluene | | ND | 250.00 |
| 50) 1,3,5-Trimethylbenzene | | ND | 250.00 |
| 51) 1,2,4-Trimethylbenzene | -0.15 | ND | 250.00 |
| 52) 1,3-Dichlorobenzene | | ND | 250.00 |
| 53) 1,4-Dichlorobenzene | | ND | 250.00 |
| 54) 1,2-Dichlorobenzene | | ND | 250.00 |
| 55) 1,2,4-Trichlorobenzene | | ND | 2500.00 |
| 56) Hexachlorobutadiene | | ND | 500.00 |
| MTBE | | ND | 1250.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 272235 | OK | 7.08 | 7.12 | OK |
| 1,4-Difluorobenzene | 1166021 | 1207058 | OK | 8.73 | 8.77 | OK |
| Chlorobenzene-d5 | 651697 | 506356 | OK | 14.06 | 14.09 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 46.50 | 93.0 |
| Toluene-d8 | 50 | 45.69 | 91.4 |
| 4-Bromofluorobenzene | 50 | 44.33 | 88.7 |

Comments:

Foot Notes:

1st Review: AW 6/14/99

2nd Review: DO 0615



JUN 16 99 8:32 FR 714 258 0921 TO IT GROUP IRVINE P.06

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND3102 OHM M9F090254-3 | **Data Analyzed:** | 9 Jun 99 16:15 |
| **Misc. Info:** | 200 ml 18708-1149 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1948.D | **Shift Cali.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 2.5 |

| | Compound | dRT | | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | 0.02 | | ND | 5.00 |
| 3) | Chloromethane | | | ND | 10.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.49 | | ND | 5.00 |
| 5) | Vinyl Chloride | | | ND | 5.00 |
| 6) | Bromomethane | 0.34 | | ND | 5.00 |
| 7) | Chloroethane | | | ND | 10.00 |
| 8) | Trichlorofluoromethane (11) | | | ND | 5.00 |
| 9) | 1,1-Dichloroethene | -0.01 | | ND | 5.00 |
| 10) | Carbon Disulfide | -0.01 | | ND | 25.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | | 43.42 | 5.00 |
| 12) | Acetone | 0.02 | | ND | 25.00 |
| 13) | Methylene Chloride | 0.02 | ND (MS) | ~~5.86~~ | 5.00 |
| 14) | t-1,2-Dichloroethene | | | ND | 5.00 |
| 15) | 1,1-Dichloroethane | 0.03 | | ND | 5.00 |
| 16) | Vinyl Acetate | 0.06 | | ND | 25.00 |
| 17) | c-1,2-Dichloroethene | 0.25 | | ND | 5.00 |
| 18) | 2-Butanone | -0.04 | | ND | 25.00 |
| 19) | Chloroform | -0.01 | | ND | 5.00 |
| 20) | 1,1,1-Trichloroethane | | | ND | 5.00 |
| 21) | Carbon Tetrachloride | 0.02 | | ND | 5.00 |
| 23) | Benzene | -0.09 | | ND | 5.00 |
| 25) | 1,2-Dichloroethane | -0.43 | | ND | 5.00 |
| 26) | Trichloroethene | 0.01 | | 373.44 | 5.00 |
| 27) | 1,2-Dichloropropane | -0.35 | | ND | 5.00 |
| 28) | Bromodichloromethane | | | ND | 5.00 |
| 29) | c-1,3-Dichloropropene | | | ND | 5.00 |
| 30) | 4-Methyl-2-Pentanone | -0.08 | | ND | 25.00 |
| 32) | Toluene | -0.09 | | ND | ~~5.00~~ 12.5 |
| 34) | t-1,3-Dichloropropene | | | ND | 5.00 |
| 35) | 1,1,2-Trichloroethane | 0.16 | | ND | 5.00 |
| 36) | Tetrachloroethene | -0.02 | | 21.62 | 5.00 |
| 37) | 2-Hexanone | | | ND | 75.00 |
| 38) | Dibromochloromethane | | | ND | 5.00 |
| 39) | 1,2-Dibromoethane | | | ND | 5.00 |
| 40) | Chlorobenzene | | | ND | 5.00 |
| 41) | Ethylbenzene | 0.03 | | ND | 5.00 |
| 42) | p,&m-Xylene | 0.00 | | ND | 5.00 |
| 43) | o-Xylene | 0.01 | | ND | 5.00 |
| 44) | Styrene | 0.01 | | ND | 5.00 |
| 45) | Bromoform | | | ND | 5.00 |

NO 06/59



JUN 16'99 8:32 FR 714 258 0921 TO IT GROUP IRVINE P.07

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND3102 OHM M9F090254-3 | **Data Analyzed:** | 06/ 9/99 16:15 |
| **Misc. Info:** | 200 ml 18708-1149 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1948.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 2.5 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.02 | ND | 5.00 |
| 48) Benzyl Chloride | 0.05 | ND | 25.00 |
| 49) 4-Ethyl Toluene | -0.03 | ND | 5.00 |
| 50) 1,3,5-Trimethylbenzene | 0.03 | ND | 5.00 |
| 51) 1,2,4-Trimethylbenzene | -0.01 | ND | 5.00 |
| 52) 1,3-Dichlorobenzene | | ND | 5.00 |
| 53) 1,4-Dichlorobenzene | | ND | 5.00 |
| 54) 1,2-Dichlorobenzene | | ND | 5.00 |
| 55) 1,2,4-Trichlorobenzene | 0.01 | ND | 50.00 |
| 56) Hexachlorobutadiene | | ND | 10.00 |
| MTBE | | ND | 25.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 220495 | OK | 7.08 | 7.11 | OK |
| 1,4-Difluorobenzene | 1166021 | 955327 | OK | 8.73 | 8.75 | OK |
| Chlorobenzene-d5 | 651697 | 526479 | OK | 14.06 | 14.04 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.46 | 100.9 |
| Toluene-d8 | 50 | 47.88 | 95.7 |
| 4-Bromofluorobenzene | 50 | 45.00 | 90.0 |

Comments:

Foot Notes:

1st Review: AS 6-14-99

2nd Review: AO 06/17



JUN 10 99 8:32 FR 714 258 0921 TO IT GROUP IRVINE P.08

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND5102 OHM M9F090254-4 | **Data Analyzed:** | 9 Jun 99 16:43 |
| **Misc. Info:** | 500 ml 18708-1150 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1949.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | d:\gcmsb\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | 0.01 | ND | 2.00 |
| 3) Chloromethane | -0.04 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | -0.49 | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | -0.19 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.01 | ND | 2.00 |
| 9) 1,1-Dichloroethene | 0.02 | ND | 2.00 |
| 10) Carbon Disulfide | -0.02 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | 4.56 | 2.00 |
| 12) Acetone | -0.00 | ND | 10.00 |
| 13) Methylene Chloride | -0.01 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | -0.06 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | 0.10 | ND | 10.00 |
| 19) Chloroform | 0.01 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) Carbon Tetrachloride | -0.02 | ND | 2.00 |
| 23) Benzene | -0.01 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | -0.00 | 71.33 | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | | ND | 2.00 |
| 29) c-1,3-Dichloropropene | | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.09 | ND | 10.00 |
| 32) Toluene | -0.08 | ND | ~~2.00~~ 5.0 |
| 34) t-1,3-Dichloropropene | | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | 0.15 | ND | 2.00 |
| 36) Tetrachloroethene | -0.01 | 7.35 | 2.00 |
| 37) 2-Hexanone | -0.33 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | -0.06 | ND | 2.00 |
| 41) Ethylbenzene | -0.02 | ND | 2.00 |
| 42) p,&m-Xylene | -0.04 | ND | 2.00 |
| 43) o-Xylene | -0.02 | ND | 2.00 |
| 44) Styrene | -0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 16'99 8:32 FR 714 258 0921 TO IT GROUP IRVINE P.09

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND5102 OHM M9F090254-4 | **Data Analyzed:** | 06/ 9/99 16:43 |
| **Misc. Info:** | 500 ml 18708-1150 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1949.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | d:\gcmsb\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.22 | ND | 2.00 |
| 48) Benzyl Chloride | -0.01 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.00 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.04 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.04 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.30 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.05 | ND | 20.00 |
| 56) Hexachlorobutadiene | -0.49 | ND | 4.00 |
| MTBE | | ND | 10 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 258994 | OK | 7.08 | 7.10 | OK |
| 1,4-Difluorobenzene | 1166021 | 1107189 | OK | 8.73 | 8.75 | OK |
| Chlorobenzene-d5 | 651697 | 481663 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.86 | 99.7 |
| Toluene-d8 | 50 | 40.63 | 81.3 |
| 4-Bromofluorobenzene | 50 | 51.53 | 103.1 |

Comments:

Foot Notes:

1st Review: AA 6/14/99

2nd Review: 100615



JUN 16'99 8:33 FR 714 258 0921 TO IT GROUP IRVINE P.10

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWNCE102 OHM M9F090254-1 | **Data Analyzed:** | 9 Jun 99 17:11 |
| **Misc. Info:** | 500 ml 18708-1147 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1950.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | d:\gcmsb\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (1 | -0.07 | ND | 0.0099 |
| 3) Chloromethan | -0.05 | ND | 0.0082 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) Vinyl Chloride | | ND | 0.0051 |
| 6) Bromomethan | -0.00 | ND | 0.0078 |
| 7) Chloroethane | | ND | 0.0105 |
| 8) Trichlorofluoromethane (11) | -0.01 | ND | 0.0112 |
| 9) 1,1-Dichloroethene | -0.02 | ND | 0.0079 |
| 10) Carbon Disulfide | -0.03 | ND | 0.0311 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.04 | ND | 0.0153 |
| 12) Acetone | 0.00 | ND | 0.0237 |
| 13) Methylene Chloride | 0.02 | ND | 0.0069 |
| 14) t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) 1,1-Dichloroethane | 0.06 | ND | 0.0081 |
| 16) Vinyl Acetate | -0.04 | ND | 0.0351 |
| 17) c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) 2-Butanone | -0.04 | ND | 0.0294 |
| 19) Chloroform | -0.01 | ND | 0.0097 |
| 20) 1,1,1-Trichloroethane | -0.02 | ND | 0.0109 |
| 21) Carbon Tetrachloride | 0.01 | ND | 0.0126 |
| 23) Benzene | 0.01 | ND | 0.0064 |
| 25) 1,2-Dichloroethane | | ND | 0.0081 |
| 26) Trichloroethene | 0.01 | 0.0762 | 0.0107 |
| 27) 1,2-Dichloropropane | | ND | 0.0092 |
| 28) Bromodichloromethane | | ND | 0.0134 |
| 29) c-1,3-Dichloropropene | 0.28 | ND | 0.0091 |
| 30) 4-Methyl-2-Pentanone | -0.01 | ND | 0.0409 |
| 32) Toluene | -0.10 | ND | ~~0.0075~~ 0.019 |
| 34) t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) 1,1,2-Trichloroethane | -0.35 | ND | 0.0109 |
| 36) Tetrachloroethene | -0.01 | 0.0415 | 0.0135 |
| 37) 2-Hexanone | -0.32 | ND | 0.1226 |
| 38) Dibromochloromethane | | ND | 0.0170 |
| 39) 1,2-Dibromoethane | | ND | 0.0153 |
| 40) Chlorobenzene | | ND | 0.0092 |
| 41) Ethylbenzene | -0.01 | ND | 0.0087 |
| 42) p,&m-Xylene | -0.02 | ND | 0.0087 |
| 43) o-Xylene | 0.02 | ND | 0.0087 |
| 44) Styrene | 0.01 | ND | 0.0085 |
| 45) Bromoform | | ND | 0.0206 |



JUN 16'99 8:33 FR 714 258 0921 TO IT GROUP IRVINE P.11

| | | | |
|---|---|---|---|
| Sample Name: | CWNCE102 OHM M9F090254-1 | Data Analyzed: | 06/ 9/99 17:11 |
| Misc. Info: | 500 ml 18708-1147 TEDLAR B | Method: | MSB0609 |
| Data Name: | B1950.D | Shift Call.File: | CC06091.D |
| Data Path: | d:\gcmsb\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.35 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.02 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.07 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.06 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.10 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.32 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.12 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.38 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | -0.25 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.49 | ND | 0.0426 |

MTBE ND 0.036

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 258026 | OK | 7.08 | 7.11 | OK |
| 1,4-Difluorobenzene | 1166021 | 1111782 | OK | 8.73 | 8.74 | OK |
| Chlorobenzene-d5 | 651697 | 482907 | OK | 14.06 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.16 | 100.3 |
| Toluene-d8 | 50 | 40.51 | 81.0 |
| 4-Bromofluorobenzene | 50 | 51.05 | 102.1 |

Comments:

Foot Notes:

1st Review: AA 6/14/99 2nd Review 110 0615



JUN 16'99 8:33 FR 714 258 0921 TO IT GROUP IRVINE P.12

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWNCX102 OHM M9F090254-2 | **Data Analyzed:** | 9 Jun 99 17:39 |
| **Misc. Info:** | 4ml 18708-1148 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1951.D | **Shift Cali.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 125 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | | ND | 1.2338 |
| 3) | Chloromethan | | ND | 1.0305 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 1.7440 |
| 5) | Vinyl Chloride | | ND | 0.6378 |
| 6) | Bromomethan | -0.03 | ND | 0.9688 |
| 7) | Chloroethane | | ND | 1.3165 |
| 8) | Trichlorofluoromethane (11) | | ND | 1.4018 |
| 9) | 1,1-Dichloroethene | -0.01 | ND | 0.9893 |
| 10) | Carbon Disulfide | -0.02 | ND | 3.8850 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | 215.2703 | 1.9120 |
| 12) | Acetone | -0.05 | ~~3.7731~~ ND RT,MS | 2.9638 |
| 13) | Methylene Chloride | | ND | 0.8668 |
| 14) | t-1,2-Dichloroethene | | ND | 0.9893 |
| 15) | 1,1-Dichloroethane | | ND | 1.0098 |
| 16) | Vinyl Acetate | -0.08 | ND | 4.3925 |
| 17) | c-1,2-Dichloroethene | | ND | 0.9893 |
| 18) | 2-Butanone | | ND | 3.6788 |
| 19) | Chloroform | -0.01 | ND | 1.2183 |
| 20) | 1,1,1-Trichloroethane | | ND | 1.3613 |
| 21) | Carbon Tetrachloride | 0.01 | 5.2663 | 1.5695 |
| 23) | Benzene | | ND | 0.7970 |
| 25) | 1,2-Dichloroethane | | ND | 1.0098 |
| 26) | Trichloroethene | 0.03 | 139.8204 | 1.3408 |
| 27) | 1,2-Dichloropropane | -0.33 | ~~1.2828~~ NO RT,MS | 1.1530 |
| 28) | Bromodichloromethane | | ND | 1.6718 |
| 29) | c-1,3-Dichloropropene | -0.54 | ND | 1.1323 |
| 30) | 4-Methyl-2-Pentanone | -0.01 | ND | 5.1100 |
| 32) | Toluene | -0.22 | ND | 0.9403 |
| 34) | t-1,3-Dichloropropene | | ND | ~~1.1823~~ ~~2.375~~ 2.35 |
| 35) | 1,1,2-Trichloroethane | 0.16 | ND | 1.3613 |
| 36) | Tetrachloroethene | 0.01 | 5.2392 | 1.6923 |
| 37) | 2-Hexanone | | ND | 15.3300 |
| 38) | Dibromochloromethane | | ND | 2.1255 |
| 39) | 1,2-Dibromoethane | | ND | 1.9170 |
| 40) | Chlorobenzene | | ND | 1.1485 |
| 41) | Ethylbenzene | | ND | 1.0833 |
| 42) | p,&m-Xylene | | ND | 1.0833 |
| 43) | o-Xylene | | ND | 1.0833 |
| 44) | Styrene | | ND | 1.0628 |
| 45) | Bromoform | | ND | 2.5790 |

10 0615



JUN 25 '99 10:11 GROUP IRVINE P.13

| | | | |
|---|---|---|---|
| Sample Name: | CWNCX102 OHM M9F090254-2 | Data Analyzed: | 06/ 9/99 17:39 |
| Misc. Info: | 4ml 18708-1148 TEDLAR BAG | Method: | MSB0609 |
| Data Name: | B1951.D | Shift Call.File: | CC06091.D |
| Data Path: | D:\GCMSB\990607\ | Dilution Factor: | 125 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 1.7128 |
| 48) | Benzyl Chloride | -0.00 | ND | 6.4700 |
| 49) | 4-Ethyl Toluene | | ND | 1.2265 |
| 50) | 1,3,5-Trimethylbenzene | | ND | 1.2265 |
| 51) | 1,2,4-Trimethylbenzene | -0.15 | ND | 1.2265 |
| 52) | 1,3-Dichlorobenzene | | ND | 1.5000 |
| 53) | 1,4-Dichlorobenzene | | ND | 1.5000 |
| 54) | 1,2-Dichlorobenzene | | ND | 1.5000 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 18.5150 |
| 56) | Hexachlorobutadiene | | ND | 5.3215 |
| | MTBE | | ND | 9.50 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 272235 | OK | 7.08 | 7.12 | OK |
| 1,4-Difluorobenzene | 1166021 | 1207058 | OK | 8.73 | 8.77 | OK |
| Chlorobenzene-d5 | 651697 | 506356 | OK | 14.06 | 14.09 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 46.50 | 93.0 |
| Toluene-d8 | 50 | 45.69 | 91.4 |
| 4-Bromofluorobenzene | 50 | 44.33 | 88.7 |

Comments:

Foot Notes:

1st Review: AA 6/9/99 2nd Review MO 0815



JUN 16'99 8:34 FR 714 258 0921 TO IT GROUP IRVINE P.14

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND3102 OHM M9F090254-3 | **Data Analyzed:** | 9 Jun 99 16:15 |
| **Misc. Info:** | 200 ml 18708-1149 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1948.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 2.5 |

| | Compound | dRT | | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | 0.02 | | ND | 0.0247 |
| 3) | Chloromethan | | | ND | 0.0206 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.49 | | ND | 0.0349 |
| 5) | Vinyl Chloride | | | ND | 0.0128 |
| 6) | Bromomethan | 0.34 | | ND | 0.0194 |
| 7) | Chloroethane | | | ND | 0.0263 |
| 8) | Trichlorofluoromethane (11) | | | ND | 0.0280 |
| 9) | 1,1-Dichloroethene | -0.01 | | ND | 0.0198 |
| 10) | Carbon Disulfide | -0.01 | | ND | 0.0777 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | | 0.3321 | 0.0382 |
| 12) | Acetone | 0.02 | | ND | 0.0593 |
| 13) | Methylene Chloride | 0.02 | ND(MS) | ~~0.0207~~ | 0.0173 |
| 14) | t-1,2-Dichloroethene | | | ND | 0.0198 |
| 15) | 1,1-Dichloroethane | 0.03 | | ND | 0.0202 |
| 16) | Vinyl Acetate | 0.06 | | ND | 0.0879 |
| 17) | c-1,2-Dichloroethene | 0.25 | | ND | 0.0198 |
| 18) | 2-Butanone | -0.04 | | ND | 0.0736 |
| 19) | Chloroform | -0.01 | | ND | 0.0244 |
| 20) | 1,1,1-Trichloroethane | | | ND | 0.0272 |
| 21) | Carbon Tetrachloride | 0.02 | | ND | 0.0314 |
| 23) | Benzene | -0.09 | | ND | 0.0159 |
| 25) | 1,2-Dichloroethane | -0.43 | | ND | 0.0202 |
| 26) | Trichloroethene | 0.01 | | 2.0028 | 0.0268 |
| 27) | 1,2-Dichloropropane | -0.35 | | ND | 0.0231 |
| 28) | Bromodichloromethane | | | ND | 0.0334 |
| 29) | c-1,3-Dichloropropene | | | ND | 0.0226 |
| 30) | 4-Methyl-2-Pentanone | -0.08 | | ND | 0.1022 |
| 32) | Toluene | -0.09 | | ND | ~~0.0186~~ ~~0.0475~~ 0.0470 |
| 34) | t-1,3-Dichloropropene | | | ND | 0.0226 |
| 35) | 1,1,2-Trichloroethane | 0.16 | | ND | 0.0272 |
| 36) | Tetrachloroethene | -0.02 | | 0.1464 | 0.0338 |
| 37) | 2-Hexanone | | | ND | 0.3066 |
| 38) | Dibromochloromethane | | | ND | 0.0425 |
| 39) | 1,2-Dibromoethane | | | ND | 0.0383 |
| 40) | Chlorobenzene | | | ND | 0.0230 |
| 41) | Ethylbenzene | 0.03 | | ND | 0.0217 |
| 42) | p,&m-Xylene | 0.00 | | ND | 0.0217 |
| 43) | o-Xylene | 0.01 | | ND | 0.0217 |
| 44) | Styrene | 0.01 | | ND | 0.0213 |
| 45) | Bromoform | | | ND | 0.0516 |

10 061599

10 0615

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND3102 OHM M9F090254-3 | **Data Analyzed:** | 06/ 9/99 16:15 |
| **Misc. Info:** | 200 ml 18708-1149 TEDLAR B | **Method:** | MSB0609 |
| **Data Name:** | B1948.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 2.5 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.02 | ND | 0.0343 |
| 48) | Benzyl Chloride | 0.05 | ND | 0.1294 |
| 49) | 4-Ethyl Toluene | -0.03 | ND | 0.0245 |
| 50) | 1,3,5-Trimethylbenzene | 0.03 | ND | 0.0245 |
| 51) | 1,2,4-Trimethylbenzene | -0.01 | ND | 0.0245 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.0300 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.0300 |
| 54) | 1,2-Dichlorobenzene | | ND | 0.0300 |
| 55) | 1,2,4-Trichlorobenzene | 0.01 | ND | 0.3703 |
| 56) | Hexachlorobutadiene | | ND | 0.1064 |
| | MTBE | | ND | 0.090 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 220495 | OK | 7.08 | 7.11 | OK |
| 1,4-Difluorobenzene | 1166021 | 955327 | OK | 8.73 | 8.75 | OK |
| Chlorobenzene-d5 | 651697 | 526479 | OK | 14.06 | 14.04 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.46 | 100.9 |
| Toluene-d8 | 50 | 47.86 | 95.7 |
| 4-Bromofluorobenzene | 50 | 45.00 | 90.0 |

Comments:

Foot Notes:

1st Review: AA 6/14/99 2nd Review 100615

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWND5102 OHM M9F090254-4 | **Data Analyzed:** | 9 Jun 99 16:43 |
| **Misc. Info:** | 500 ml 18708-1150 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1949.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | d:\gcmsb\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | 0.01 | ND | 0.0099 |
| 3) | Chloromethan | -0.04 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.49 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.19 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | 0.02 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.02 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | 0.0349 | 0.0153 |
| 12) | Acetone | -0.00 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.06 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.10 | ND | 0.0294 |
| 19) | Chloroform | 0.01 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.02 | ND | 0.0126 |
| 23) | Benzene | -0.01 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.00 | 0.3826 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.09 | ND | 0.0409 |
| 32) | Toluene | -0.08 | ND | ~~0.0075~~ 0.019 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.15 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.01 | 0.0497 | 0.0135 |
| 37) | 2-Hexanone | -0.33 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | -0.06 | ND | 0.0092 |
| 41) | Ethylbenzene | -0.02 | ND | 0.0087 |
| 42) | p,&m-Xylene | -0.04 | ND | 0.0087 |
| 43) | o-Xylene | -0.02 | ND | 0.0087 |
| 44) | Styrene | -0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 8:34 FR 714 258 0921 TO IT GROUP IRVINE P.17

D:\GCMSB\990607\B1949.D

| | | | |
|---|---|---|---|
| Sample Name: | CWND5102 OHM M9F090254-4 | Data Analyzed: | 06/ 9/99 16:43 |
| Misc. Info: | 500 ml 18708-1150 TEDLAR B | Method: | MSB0609 |
| Data Name: | B1949.D | Shift Cal.File: | CC06091.D |
| Data Path: | d:\gcmsb\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.22 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.01 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.00 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.04 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.04 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.30 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.05 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.49 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 258994 | OK | 7.08 | 7.10 | OK |
| 1,4-Difluorobenzene | 1166021 | 1107189 | OK | 8.73 | 8.75 | OK |
| Chlorobenzene-d5 | 651697 | 481663 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.86 | 99.7 |
| Toluene-d8 | 50 | 40.63 | 81.3 |
| 4-Bromofluorobenzene | 50 | 51.53 | 103.1 |

Comments:

Foot Notes:

1st Review: AA 061499 2nd Review AO 0615

**Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

245VE138 - 4hr (48 hr Test) 222545

FORM 0019 REV. 2-97

0600330

| | | | | | |
|---|---|---|---|---|---|
| OHM's LAB COORDINATOR: L. Bientowski | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY SERVICE ID: M9FU80199 | LABORATORY CONTACT: Quamburia | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: El Toro - D065 | PROJECT LOCATION: El Toro - D065 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 914-258-8610 | LABORATORY FAX: — | RECIPIENT NAME: Wayne Ishida |
| PROJECT CONTACT: L. Bientowski | PROJECT PHONE NUMBER: 949-451-1665 | PROJECT FAX: — | LABORATORY ADDRESS: 1121 Grand | | ADDRESS: 3347 Michelson Suite 200 |
| PROJECT ADDRESS: — | CITY, STATE AND ZIPCODE: — | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: Santa Ana, CA | | CITY, STATE AND ZIPCODE: Irvine, CA |
| PROJECT MANAGER: B. Sedlak | PROJECT MANAGER'S PHONE: 949-261-1661 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | 1999 Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses: TO-14 | Contact - HOLD | | | | | | | Comments: Analyze 1st Bag First |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1143 | vapor | 6/8 | 1510 | — | 2 | 3 | 5day | X | | | | | | | | |
| 2 | 18708-1144 | vapor | 6/8 | 1514 | — | 3 | 3 | 5day | X | | | | | | | | |
| 3 | 18708-1145 | vapor | 6/8 | 1520 | — | 2 | 3 | 24hr | X | | | | | | | | |
| 4 | 18708-1146 | vapor | 6/8 | 1525 | — | 2 | 3 | 24hr | X | X | | | | | | | Analyze only if 18708-1145 is detected. |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

6/8/99

| | | | | |
|---|---|---|---|---|
| SAMPLES COLLECTED BY: Liz Bientowski | COURIER AND AIR BILL NUMBER: COURIER | | | COOLER TEMPERATURE UPON RECEIPT: |
| RELINQUISHED BY: Liz Bientowski | RECEIVED BY: Guy Q. Ussery | DATE: 6/8/99 | TIME: 1608 | SAMPLE'S CONDITION UPON RECEIPT |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

245VE138-4hr

| Sample Point Location | Sample Type G | C | F | QC |
|---|---|---|---|---|
| (1) 245VE138 - 4hr Ambient 4hr | | | | X |
| (2) 245VE138 - Influent 4hr | X | | | |
| (3) 245VE138 - Midpoint 4hr | X | | | |
| (4) 245VE138 - Effluent 4hr | X | | | |

Comm

Field Sample.

**IT CORPORATION**

**Client Sample ID: 18708-1143**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-001 **Work Order #...:** CWLWR102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 15:10 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167257 **Analysis Time..:** 13:48
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1143**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-001 **Work Order #...:** CWLWR102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1144**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-002 **Work Order #...:** CWLWT102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 15:14 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167257 **Analysis Time..:** 14:18
**Dilution Factor:** 250
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 500 | ppb(v/v) |
| Chloromethane | ND | 1000 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 500 | ppb(v/v) |
| Vinyl chloride | ND | 500 | ppb(v/v) |
| Bromomethane | ND | 500 | ppb(v/v) |
| Chloroethane | ND | 1000 | ppb(v/v) |
| Trichlorofluoromethane | ND | 500 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 500 | ppb(v/v) |
| Carbon disulfide | ND | 2500 | ppb(v/v) |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **33000** | **500** | **ppb(v/v)** |
| Acetone | ND | 2500 | ppb(v/v) |
| Methylene chloride | ND | 500 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 500 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 500 | ppb(v/v) |
| Vinyl acetate | ND | 2500 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 500 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 2500 | ppb(v/v) |
| Chloroform | ND | 500 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 500 | ppb(v/v) |
| **Carbon tetrachloride** | **820** | **500** | **ppb(v/v)** |
| Benzene | ND | 500 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 500 | ppb(v/v) |
| **Trichloroethene** | **23000** | **500** | **ppb(v/v)** |
| 1,2-Dichloropropane | ND | 500 | ppb(v/v) |
| Bromodichloromethane | ND | 500 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 500 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 2500 | ppb(v/v) |
| Toluene | ND | 1200 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 500 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 500 | ppb(v/v) |
| **Tetrachloroethene** | **670** | **500** | **ppb(v/v)** |
| 2-Hexanone | ND | 7500 | ppb(v/v) |
| Dibromochloromethane | ND | 500 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 500 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1144**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-002 **Work Order #...:** CWLWT102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 500 | ppb(v/v) |
| Ethylbenzene | ND | 500 | ppb(v/v) |
| Xylenes (total) | ND | 500 | ppb(v/v) |
| Styrene | ND | 500 | ppb(v/v) |
| Bromoform | ND | 500 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 500 | ppb(v/v) |
| Benzyl chloride | ND | 2500 | ppb(v/v) |
| 4-Ethyltoluene | ND | 500 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 500 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 500 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 500 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 500 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 500 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 5000 | ppb(v/v) |
| Hexachlorobutadiene | ND | 1000 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 2500 | ppb(v/v) |

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWV102 OHM M9F080199-3 | **Data Analyzed:** | 9 Jun 99 12:52 |
| **Misc. Info:** | 500 ml 18708-1145 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1941.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | 0.03 | ND | 2.00 |
| 3) Chloromethane | -0.05 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | -0.47 | ND | 2.00 |
| 5) Vinyl Chloride | 0.39 | ND | 2.00 |
| 6) Bromomethane | | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.00 | ND | 2.00 |
| 9) 1,1-Dichloroethene | 0.07 | ND | 2.00 |
| 10) Carbon Disulfide | -0.02 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 2.71 | 2.00 |
| 12) Acetone | -0.01 | ND | 10.00 |
| 13) Methylene Chloride | 0.00 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | -0.13 | ND | 2.00 |
| 16) Vinyl Acetate | -0.33 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | -0.05 | ND | 10.00 |
| 19) Chloroform | | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.01 | ND | 2.00 |
| 23) Benzene | -0.01 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | 0.02 | 29.81 | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | -0.04 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.08 | ND | 10.00 |
| 32) Toluene | -0.09 | ND | ~~2.00~~ 5.00 |
| 34) t-1,3-Dichloropropene | 0.30 | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | | ND | 2.00 |
| 36) Tetrachloroethene | 0.02 | 2.11 | 2.00 |
| 37) 2-Hexanone | 0.13 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | -0.03 | ND | 2.00 |
| 40) Chlorobenzene | -0.07 | ND | 2.00 |
| 41) Ethylbenzene | 0.00 | ND | 2.00 |
| 42) p,&m-Xylene | -0.02 | ND | 2.00 |
| 43) o-Xylene | 0.02 | ND | 2.00 |
| 44) Styrene | 0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 9'99 16:39 FR 714 258 0921 TO IT GROUP IRVINE P.03

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWV102 OHM M9F080199-3 | **Data Analyzed:** | 06/ 9/99 12:52 |
| **Misc. Info:** | 500 ml 18708-1145 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1941.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.09 | ND | 2.00 |
| 48) Benzyl Chloride | -0.01 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.06 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.07 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.09 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.09 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | -0.12 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | 0.15 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.19 | ND | 20.00 |
| 56) Hexachlorobutadiene | 0.22 | ND | 4.00 |
| MTBE | | ND | 10.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 255197 | OK | 7.08 | 7.12 | OK |
| 1,4-Difluorobenzene | 1166021 | 1118938 | OK | 8.73 | 8.75 | OK |
| Chlorobenzene-d5 | 651697 | 645766 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 48.73 | 97.5 |
| Toluene-d8 | 50 | 41.81 | 83.6 |
| 4-Bromofluorobenzene | 50 | 50.25 | 100.5 |

Comments:

Foot Notes:

1st Review: AA 06/99 2nd Review: MO 0607



JUN 9'99 16:40 FR 714 258 0921 TO IT GROUP IRVINE P.04

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWLWW102 OHM M9F080199-4 | Data Analyzed: | 9 Jun 99 13:20 |
| Misc. Info: | 500 ml 18708-1146 TEDLAR BAG | Method: | MSB0609 |
| Data Name: | B1942.D | Shift Call.File: | CC06091.D |
| Data Path: | d:\gcmsb\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.04 | ND | 2.00 |
| 3) | Chloromethane | -0.04 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.30 | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | 0.45 | ND | 2.00 |
| 7) | Chloroethane | -0.02 | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | -0.27 | ND | 2.00 |
| 10) | Carbon Disulfide | -0.02 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | ND | 2.00 |
| 12) | Acetone | -0.02 | ND | 10.00 |
| 13) | Methylene Chloride | 0.01 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | -0.10 | ND | 2.00 |
| 16) | Vinyl Acetate | -0.11 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | 0.02 | ND | 10.00 |
| 19) | Chloroform | | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | -0.08 | ND | 2.00 |
| 21) | Carbon Tetrachloride | -0.00 | ND | 2.00 |
| 23) | Benzene | -0.06 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | -0.00 | 10.31 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | -0.50 | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.14 | ND | 10.00 |
| 32) | Toluene | -0.11 | ND | ~~2.00~~ 5.00 |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | | ND | 2.00 |
| 36) | Tetrachloroethene | 0.01 | ND | 2.00 |
| 37) | 2-Hexanone | -0.04 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | -0.22 | ND | 2.00 |
| 40) | Chlorobenzene | -0.11 | ND | 2.00 |
| 41) | Ethylbenzene | -0.01 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.01 | ND | 2.00 |
| 43) | o-Xylene | 0.01 | ND | 2.00 |
| 44) | Styrene | 0.02 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 9'99 16:40 FR 714 258 0921 TO IT GROUP IRVINE P.05

| | | | |
|---|---|---|---|
| Sample Name: | CWLWW102 OHM M9F080199-4 | Data Analyzed: | 06/ 9/99 13:20 |
| Misc. Info: | 500 ml 18708-1146 TEDLAR BAG | Method: | MSB0609 |
| Data Name: | B1942.D | Shift Cali.File: | CC06091.D |
| Data Path: | d:\gcmsb\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.08 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.03 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.06 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.03 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.08 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.34 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.14 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.36 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.15 | ND | 20.00 |
| 56) | Hexachlorobutadiene | | ND | 4.00 |
| | MTBE | | ND | 10.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 268370 | OK | 7.08 | 7.14 | OK |
| 1,4-Difluorobenzene | 1166021 | 1129372 | OK | 8.73 | 8.80 | OK |
| Chlorobenzene-d5 | 651697 | 589987 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.92 | 99.8 |
| Toluene-d8 | 50 | 41.50 | 83.0 |
| 4-Bromofluorobenzene | 50 | 50.57 | 101.1 |

Comments:

Foot Notes:

1st Review: AA 060999

2nd Review: 10 060)



JUN 9'99 16:40 FR 714 258 0921 TO IT GROUP IRVINE P.06

**IT CORPORATION**

**Client Sample ID: 18708-1143**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-001 **Work Order #...:** CWLWR101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 15:10 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167261 **Analysis Time..:** 13:48
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1143**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-001 **Work Order #...:** CWLWR101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1144**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-002 **Work Order #...:** CWLWT101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 15:14 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167261 **Analysis Time..:** 14:18
**Dilution Factor:** 250
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.5 | ug/L |
| Chloromethane | ND | 2.0 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 3.5 | ug/L |
| Vinyl chloride | ND | 1.3 | ug/L |
| Bromomethane | ND | 2.0 | ug/L |
| Chloroethane | ND | 2.8 | ug/L |
| Trichlorofluoromethane | ND | 2.8 | ug/L |
| 1,1-Dichloroethene | ND | 2.0 | ug/L |
| Carbon disulfide | ND | 7.8 | ug/L |
| **1,1,2-Trichloro-1,2,2-trifluoroethane** | **250** | **3.8** | **ug/L** |
| Acetone | ND | 6.0 | ug/L |
| Methylene chloride | ND | 1.7 | ug/L |
| trans-1,2-Dichloroethene | ND | 2.0 | ug/L |
| 1,1-Dichloroethane | ND | 2.0 | ug/L |
| Vinyl acetate | ND | 8.8 | ug/L |
| cis-1,2-Dichloroethene | ND | 2.0 | ug/L |
| 2-Butanone (MEK) | ND | 7.2 | ug/L |
| Chloroform | ND | 2.4 | ug/L |
| 1,1,1-Trichloroethane | ND | 2.8 | ug/L |
| **Carbon tetrachloride** | **5.1** | **3.2** | **ug/L** |
| Benzene | ND | 1.6 | ug/L |
| 1,2-Dichloroethane | ND | 2.0 | ug/L |
| **Trichloroethene** | **120** | **2.8** | **ug/L** |
| 1,2-Dichloropropane | ND | 2.3 | ug/L |
| Bromodichloromethane | ND | 3.2 | ug/L |
| cis-1,3-Dichloropropene | ND | 2.3 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ug/L |
| Toluene | ND | 4.7 | ug/L |
| trans-1,3-Dichloropropene | ND | 2.3 | ug/L |
| 1,1,2-Trichloroethane | ND | 2.8 | ug/L |
| **Tetrachloroethene** | **4.6** | **3.5** | **ug/L** |
| 2-Hexanone | ND | 30 | ug/L |
| Dibromochloromethane | ND | 4.2 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 3.8 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1144**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080199-002 **Work Order #...:** CWLWT101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.3 | ug/L |
| Ethylbenzene | ND | 2.2 | ug/L |
| Xylenes (total) | ND | 2.2 | ug/L |
| Styrene | ND | 2.1 | ug/L |
| Bromoform | ND | 5.2 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 3.5 | ug/L |
| Benzyl chloride | ND | 13 | ug/L |
| 4-Ethyltoluene | ND | 2.4 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 2.4 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 2.4 | ug/L |
| 1,3-Dichlorobenzene | ND | 3.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 3.0 | ug/L |
| 1,2-Dichlorobenzene | ND | 3.0 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 38 | ug/L |
| Hexachlorobutadiene | ND | 11 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 9.0 | ug/L |

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWV102 OHM M9F080199-3 | **Data Analyzed:** | 9 Jun 99 12:52 |
| **Misc. Info:** | 500 ml 18708-1145 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1941.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | 0.03 | ND | 0.0099 |
| 3) | Chloromethan | -0.05 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.47 | ND | 0.0140 |
| 5) | Vinyl Chloride | 0.39 | ND | 0.0051 |
| 6) | Bromomethan | | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 0.0112 |
| 9) | 1,1-Dichloroethane | 0.07 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.02 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 0.0208 | 0.0153 |
| 12) | Acetone | -0.01 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.00 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.13 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.33 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | -0.05 | ND | 0.0294 |
| 19) | Chloroform | | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.01 | ND | 0.0126 |
| 23) | Benzene | -0.01 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.02 | 0.1599 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.04 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.08 | ND | 0.0409 |
| 32) | Toluene | -0.09 | ND | ~~0.0075~~ 0.019 |
| 34) | t-1,3-Dichloropropene | 0.30 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.02 | 0.0143 | 0.0135 |
| 37) | 2-Hexanone | 0.13 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | -0.03 | ND | 0.0153 |
| 40) | Chlorobenzene | -0.07 | ND | 0.0092 |
| 41) | Ethylbenzene | 0.00 | ND | 0.0087 |
| 42) | p,&m-Xylene | -0.02 | ND | 0.0087 |
| 43) | o-Xylene | 0.02 | ND | 0.0087 |
| 44) | Styrene | 0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 9'99 16:40 FR 714 258 0921 TO IT GROUP IRVINE P.07

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWV102 OHM M9F080199-3 | **Data Analyzed:** | 06/ 9/99 12:52 |
| **Misc. Info:** | 500 ml 18708-1145 TEDLAR B | **Method:** | MSB0609 |
| **Data Name:** | B1941.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.09 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.01 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.06 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.07 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.09 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.09 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | -0.12 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | 0.15 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.19 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | 0.22 | ND | 0.0426 |

MTBE ND 0.036

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249728 | 255197 | OK | 7.08 | 7.12 | OK |
| 1,4-Difluorobenzene | 1166021 | 1118938 | OK | 8.73 | 8.75 | OK |
| Chlorobenzene-d5 | 651697 | 645766 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 48.73 | 97.5 |
| Toluene-d8 | 50 | 41.81 | 83.6 |
| 4-Bromofluorobenzene | 50 | 50.25 | 100.5 |

Comments:

Foot Notes:

1st Review: AA 060999 2nd Review AD 0609



JUN 9'99 16:41 FR 714 258 0921 TO IT GROUP IRVINE P.08

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWW102 OHM M9F080199-4 | **Data Analyzed:** | 9 Jun 99 13:20 |
| **Misc. Info:** | 500 ml 18708-1146 TEDLAR BAG | **Method:** | MSB0609 |
| **Data Name:** | B1942.D | **Shift Call.File:** | CC06091.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.04 | ND | 0.0099 |
| 3) | Chloromethan | -0.04 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.30 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | 0.45 | ND | 0.0078 |
| 7) | Chloroethane | -0.02 | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.27 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.02 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | ND | 0.0153 |
| 12) | Acetone | -0.02 | ND | 0.0237 |
| 13) | Methylene Chloride | 0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.10 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.11 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.02 | ND | 0.0294 |
| 19) | Chloroform | | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | -0.08 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.00 | ND | 0.0126 |
| 23) | Benzene | -0.06 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.00 | 0.0553 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.50 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.14 | ND | 0.0409 |
| 32) | Toluene | -0.11 | ND | ~~0.0875~~ 0.019 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.01 | ND | 0.0135 |
| 37) | 2-Hexanone | -0.04 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | -0.22 | ND | 0.0153 |
| 40) | Chlorobenzene | -0.11 | ND | 0.0092 |
| 41) | Ethylbenzene | -0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0087 |
| 43) | o-Xylene | 0.01 | ND | 0.0087 |
| 44) | Styrene | 0.02 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0208 |



JUN 9'99 16:41 FR 714 258 0921 TO IT GROUP IRVINE P.09

D:\GCMSB\990607\B1942.D

| | | | |
|---|---|---|---|
| Sample Name: | CWLWW102 OHM M9F080199-4 | Data Analyzed: | 06/ 9/99 13:20 |
| Misc. Info: | 500 ml 18708-1146 TEDLAR B | Method: | MSB0609 |
| Data Name: | B1942.D | Shift Call.File: | CC06091.D |
| Data Path: | D:\GCMSB\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.08 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.03 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.06 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.03 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.08 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.34 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.14 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.36 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.15 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.032 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 249726 | 268370 | OK | 7.08 | 7.14 | OK |
| 1,4-Difluorobenzene | 1166021 | 1129372 | OK | 8.73 | 8.80 | OK |
| Chlorobenzene-d5 | 651697 | 589987 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 49.92 | 99.8 |
| Toluene-d8 | 50 | 41.50 | 83.0 |
| 4-Bromofluorobenzene | 50 | 50.57 | 101.1 |

Comments:

Foot Notes:

1st Review: AA 060999 2nd Review 100609

**OHM Remediation Services Corp.**
*Subsidiary of OHM Corporation*
*U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526*

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

24SVE138 - 1 hr. (48 hr Test) 222544

FORM 0019 REV. 2-97

06000330 1

| | | | | | |
|---|---|---|---|---|---|
| OHM LAB COORDINATOR: C. Bienkowski | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY SERVICE ID: M9F080198 | LABORATORY CONTACT: Quanterra | MAIL REPORT (COMPANY NAME): IT |
| PROJECT NAME: El Toro - D065 | PROJECT LOCATION: El Toro - D065 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 314-258-8610 | LABORATORY FAX: | RECIPIENT NAME: Duwayne Ishida |
| PROJECT CONTACT: C. Bienkowski | PROJECT PHONE NUMBER: 949-451-1665 | PROJECT FAX: | LABORATORY ADDRESS: 1721 Grand | ADDRESS: 3347 Michelson Suite 200 | |
| PROJECT ADDRESS: | CITY, STATE AND ZIPCODE: | CLIENT: SWDIV | CITY, STATE AND ZIPCODE: Costa Mesa, CA | CITY, STATE AND ZIPCODE: Irvine, CA | |
| PROJECT MANAGER: B. Sedlak | PROJECT MANAGER'S PHONE: 949-261-1661 | PROJECT MANAGER'S FAX: | | | |

| Item | Sample Identifier | Matrix | 1999 Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyses TO-14 | Contingent - HOLD | | | | | | | Comments: Analyze 1st Bag First |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1138 | vapor | 6/8 | 1239 | — | 2 | 3 | 5day | X | | | | | | | | |
| 2 | 18708-1139 | vapor | 6/8 | 1242 | — | 3 | 3 | 5day | X | | | | | | | | |
| 3 | 18708-1140 | vapor | 6/8 | 1244 | — | 2 | 4 | 5day | X | | | | | | | | |
| 4 | 18708-1141 | vapor | 6/8 | 1250 | — | 2 | 3 | 24 hr | X | | | | | | | | |
| 5 | 18708-1142 | vapor | 6/8 | 1255 | — | 2 | 3 | 24 hr | X | (X) | | | | | | | Analyze only if 18708-1141 is detected. |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

6/8/99

SAMPLES COLLECTED BY: Lisa Bienkowski

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE'S CONDITION UPON RECEIPT |
|---|---|---|---|---|
| Lisa Bienkowski | Amy R. Ersex | 6/8/99 | 1608 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

24SVE138 Startup - 1 hr.

| Sample Point Location | Sample Type G | C | F | QC |
|---|---|---|---|---|
| 1 24SVE138 Ambient 1hr | | | | X |
| 2 24SVE138 Influent 1hr | X | | | |
| 3 24SVE138 Influent 1hr (DUP) | X | | | |
| 4 24SVE138 Midpoint 1hr | X | | | |
| 5 24SVE138 Effluent 1hr | X | | | |

Comm

Sa

ield Sample,

log
inf
inf dup
mid
eff

**IT CORPORATION**

**Client Sample ID: 18708-1138**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-001 **Work Order #...:** CWLWJ102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 12:39 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167209 **Analysis Time..:** 14:50
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| **Tetrachloroethene** | **2.3** | **2.0** | **ppb(v/v)** |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1138**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-001 **Work Order #...:** CWLWJ102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1139**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-002 **Work Order #...:** CWLWL102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 12:42 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167209 **Analysis Time..:** 15:18
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| **Tetrachloroethene** | **2.2** | **2.0** | **ppb(v/v)** |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1139**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-002 **Work Order #...:** CWLWL102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |



JUN 16'99 13:19 FR 714 258 0921 TO IT GROUP IRVINE P.06

**IT CORPORATION**

**Client Sample ID: 18708-1140**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-003 **Work Order #...:** CWLWM102 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 12:44 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167209 **Analysis Time..:** 15:46
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| cetone | ND | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1140**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-003 **Work Order #...:** CWLWM102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

A

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWN102 OHM M9F080198-4 | **Data Analyzed:** | 8 Jun 99 18:23 |
| **Misc. Info:** | 500ml 18708-1141 TEDLAR BAG | **Method:** | MSB0608 |
| **Data Name:** | B1939.D | **Shift Call.File:** | CC06081.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.02 | ND | 2.00 |
| 3) Chloromethane | -0.02 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | -0.23 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.02 | ND | 2.00 |
| 9) 1,1-Dichloroethene | -0.21 | ND | 2.00 |
| 10) Carbon Disulfide | -0.01 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | | ND | 2.00 |
| 12) Acetone | 0.01 | ND | 10.00 |
| 13) Methylene Chloride | -0.00 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | -0.24 | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | -0.00 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | 0.09 | ND | 10.00 |
| 19) Chloroform | -0.05 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) Carbon Tetrachloride | | ND | 2.00 |
| 23) Benzene | 0.02 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | 0.03 | ND | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | -0.52 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | -0.55 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.07 | ND | 10.00 |
| 32) Toluene | -0.09 | ND | ~~2.00~~ 5.00 |
| 34) t-1,3-Dichloropropene | -0.12 | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | 0.04 | ND | 2.00 |
| 36) Tetrachloroethene | -0.02 | 2.80 | 2.00 |
| 37) 2-Hexanone | 0.20 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | 0.03 | ND | 2.00 |
| 42) p,&m-Xylene | 0.03 | ND | 2.00 |
| 43) o-Xylene | 0.02 | ND | 2.00 |
| 44) Styrene | 0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 9'99 16:22 FR 714 258 0921 TO IT GROUP IRVINE P.03

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWN102 OHM M9F080198-4 | **Data Analyzed:** | 06/ 8/99 18:23 |
| **Misc. Info:** | 500ml 18708-1141 TEDLAR BAG | **Method:** | MSB0608 |
| **Data Name:** | B1939.D | **Shift Call.File:** | CC06081.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.47 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.16 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.02 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.04 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.30 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.09 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.42 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.11 | ND | 20.00 |
| 56) | Hexachlorobutadiene | | ND | 4.00 |

MTBE ND 70.00

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 241818 | 252527 | OK | 7.07 | 7.13 | OK |
| 1,4-Difluorobenzene | 1070434 | 1069354 | OK | 8.72 | 8.76 | OK |
| Chlorobenzene-d5 | 570006 | 474380 | OK | 14.06 | 13.98 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.89 | 101.8 |
| Toluene-d8 | 50 | 40.94 | 81.9 |
| 4-Bromofluorobenzene | 50 | 49.90 | 99.8 |

Comments:

Foot Notes:

1st Review: AA 060999

2nd Review: AD 0609



JUN 9'99 16:22 FR 714 258 0921 TO IT GROUP IRVINE P.04

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWP102 OHM M9F080198-5 | **Data Analyzed:** | 8 Jun 99 17:55 |
| **Misc. Info:** | 500ml 18708-1142 TEDLAR BAG | **Method:** | MSB0608 |
| **Data Name:** | B1938.D | **Shift Call.File:** | CC06081.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.03 | ND | 2.00 |
| 3) Chloromethane | -0.03 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | 0.00 | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | 0.02 | ND | 2.00 |
| 9) 1,1-Dichloroethene | -0.26 | ND | 2.00 |
| 10) Carbon Disulfide | 0.01 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.00 | ND | 2.00 |
| 12) Acetone | 0.03 | ND | 10.00 |
| 13) Methylene Chloride | 0.01 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | -0.31 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | | ND | 10.00 |
| 19) Chloroform | 0.19 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | 0.03 | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.01 | ND | 2.00 |
| 23) Benzene | -0.02 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | 0.01 | ND | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | -0.12 | ND | 2.00 |
| 29) c-1,3-Dichloropropene | 0.11 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.08 | ND | 10.00 |
| 32) Toluene | -0.08 | ND | ~~2.00~~ 5.0 |
| 34) t-1,3-Dichloropropene | -0.11 | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | 0.04 | ND | 2.00 |
| 36) Tetrachloroethene | 0.01 | ND | 2.00 |
| 37) 2-Hexanone | -0.17 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | -0.09 | ND | 2.00 |
| 41) Ethylbenzene | -0.04 | ND | 2.00 |
| 42) p,&m-Xylene | 0.03 | ND | 2.00 |
| 43) o-Xylene | -0.02 | ND | 2.00 |
| 44) Styrene | 0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 9'99 16:22 FR 714 258 0921 TO IT GROUP IRVINE P.05

| | | | |
|---|---|---|---|
| Sample Name: | CWLWP102 OHM M9F080198-5 | Data Analyzed: | 06/ 8/99 17:55 |
| Misc. Info: | 500ml 18708-1142 TEDLAR BAG | Method: | MSB0608 |
| Data Name: | B1938.D | Shift Cali.File: | CC06081.D |
| Data Path: | D:\GCMSB\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.46 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.10 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.05 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | -0.07 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.01 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.39 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.18 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.17 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.17 | ND | 20.00 |
| 56) | Hexachlorobutadiene | -0.49 | ND | 4.00 |
| | MTBE | | ND | 10.0 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 241818 | 271781 | OK | 7.07 | 7.12 | OK |
| 1,4-Difluorobenzene | 1070434 | 1196358 | OK | 8.72 | 8.76 | OK |
| Chlorobenzene-d5 | 570006 | 604334 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.07 | 100.1 |
| Toluene-d8 | 50 | 41.15 | 82.3 |
| 4-Bromofluorobenzene | 50 | 49.78 | 99.6 |

Comments:

Foot Notes:

1st Review: AA 060999

2nd Review: AD 0607



JUN 9 '99 16:23 FR 714 258 0921 TO IT GROUP IRVINE P.06

**IT CORPORATION**

**Client Sample ID: 18708-1138**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-001 **Work Order #...:** CWLWJ101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 12:39 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167211 **Analysis Time..:** 14:50
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| **Tetrachloroethene** | **0.015** | **0.014** | **ug/L** |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1138**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-001 **Work Order #...:** CWLWJ101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

IT CORPORATION

Client Sample ID: 18708-1139

GC/MS Volatiles

**Lot-Sample #...:** M9F080198-002 **Work Order #...:** CWLWL101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 12:42 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167211 **Analysis Time..:** 15:18
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| **Tetrachloroethene** | **0.015** | **0.014** | **ug/L** |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1139**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-002 **Work Order #...:** CWLWL101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1140**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-003 **Work Order #...:** CWLWM101 **Matrix.....:** AIR
**Date Sampled...:** 06/08/99 12:44 **Date Received..:** 06/08/99
**Prep Date.....:** 06/09/99 **Analysis Date..:** 06/09/99
**Prep Batch #...:** 9167211 **Analysis Time..:** 15:46
**Dilution Factor:** 1
**Analyst ID.....:** 117751 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| Acetone | ND | 0.024 | ug/L |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1140**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F080198-003 **Work Order #...:** CWLWM101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**18708-1140**

**GC/MS Volatiles**

**Lot-Sample #:** M9F080198-003 **Work Order #:** CWLWM102 **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

| PARAMETER | CAS # | ESTIMATED RESULT | | RETENTION TIME | UNITS |
|---|---|---|---|---|---|
| No match found | | 29 | M | 5.21 | ppb(v/v) |
| N,N-dimethylacetamide | | 470 | M | 17.85 | ppb(v/v) |
| Hydroxy subt'd branched alkaC8 | | 14 | M | 20.05 | ppb(v/v) |
| Phenol | | 110 | M | 20.43 | ppb(v/v) |

**NOTE(S):**

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

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWN102 OHM M9F080198-4 | **Data Analyzed:** | 8 Jun 99 18:23 |
| **Misc. Info:** | 500ml 18708-1141 TEDLAR BAG | **Method:** | MSB0608 |
| **Data Name:** | B1939.D | **Shift Cali.File:** | CC06081.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.02 | ND | 0.0099 |
| 3) | Chloromethan | -0.02 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.23 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.02 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.21 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | | ND | 0.0153 |
| 12) | Acetone | 0.01 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.00 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | -0.24 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.00 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.09 | ND | 0.0294 |
| 19) | Chloroform | -0.05 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | | ND | 0.0126 |
| 23) | Benzene | 0.02 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.03 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.52 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.55 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 0.0409 |
| 32) | Toluene | -0.09 | ND | ~~0.0075~~ 0.019 |
| 34) | t-1,3-Dichloropropene | -0.12 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.04 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.02 | 0.0189 | 0.0135 |
| 37) | 2-Hexanone | 0.20 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.03 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.03 | ND | 0.0087 |
| 43) | o-Xylene | 0.02 | ND | 0.0087 |
| 44) | Styrene | 0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 9'99 16:23 FR 714 258 0921 TO IT GROUP IRVINE P.07

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWN102 OHM M9F080198-4 | **Data Analyzed:** | 06/ 8/99 18:23 |
| **Misc. Info:** | 500ml 18708-1141 TEDLAR BAG | **Method:** | MSB0608 |
| **Data Name:** | B1939.D | **Shift Cali.File:** | CC06081.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.47 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.16 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.02 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.04 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.30 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.09 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.42 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.11 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 241818 | 252527 | OK | 7.07 | 7.13 | OK |
| 1,4-Difluorobenzene | 1070434 | 1069354 | OK | 8.72 | 8.76 | OK |
| Chlorobenzene-d5 | 570006 | 474380 | OK | 14.06 | 13.98 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.89 | 101.8 |
| Toluene-d8 | 50 | 40.94 | 81.9 |
| 4-Bromofluorobenzene | 50 | 49.90 | 99.8 |

Comments:

Foot Notes:

1st Review: AB 06/09/99 2nd Review 10 06/01



JUN 9'99 16:23 FR 714 258 0921 TO IT GROUP IRVINE P.08

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWLWP102 OHM M9F080198-5 | **Data Analyzed:** | 8 Jun 99 17:55 |
| **Misc. Info:** | 500ml 18708-1142 TEDLAR BAG | **Method:** | MSB0608 |
| **Data Name:** | B1938.D | **Shift Call.File:** | CC06081.D |
| **Data Path:** | D:\GCMSB\990607\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (1 | -0.03 | ND | 0.0099 |
| 3) Chloromethan | -0.03 | ND | 0.0082 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | 0.00 | ND | 0.0140 |
| 5) Vinyl Chloride | | ND | 0.0051 |
| 6) Bromomethan | | ND | 0.0078 |
| 7) Chloroethane | | ND | 0.0105 |
| 8) Trichlorofluoromethane (11) | 0.02 | ND | 0.0112 |
| 9) 1,1-Dichloroethene | -0.26 | ND | 0.0079 |
| 10) Carbon Disulfide | 0.01 | ND | 0.0311 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.00 | ND | 0.0153 |
| 12) Acetone | 0.03 | ND | 0.0237 |
| 13) Methylene Chloride | 0.01 | ND | 0.0069 |
| 14) t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) 1,1-Dichloroethane | | ND | 0.0081 |
| 16) Vinyl Acetate | -0.31 | ND | 0.0351 |
| 17) c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) 2-Butanone | | ND | 0.0294 |
| 19) Chloroform | 0.19 | ND | 0.0097 |
| 20) 1,1,1-Trichloroethane | 0.03 | ND | 0.0109 |
| 21) Carbon Tetrachloride | 0.01 | ND | 0.0126 |
| 23) Benzene | -0.02 | ND | 0.0064 |
| 25) 1,2-Dichloroethane | | ND | 0.0081 |
| 26) Trichloroethene | 0.01 | ND | 0.0107 |
| 27) 1,2-Dichloropropane | | ND | 0.0092 |
| 28) Bromodichloromethane | -0.12 | ND | 0.0134 |
| 29) c-1,3-Dichloropropene | 0.11 | ND | 0.0091 |
| 30) 4-Methyl-2-Pentanone | -0.08 | ND | 0.0409 |
| 32) Toluene | -0.08 | ND | ~~0.0075~~ 0.019 |
| 34) t-1,3-Dichloropropene | -0.11 | ND | 0.0091 |
| 35) 1,1,2-Trichloroethane | 0.04 | ND | 0.0109 |
| 36) Tetrachloroethene | 0.01 | ND | 0.0135 |
| 37) 2-Hexanone | -0.17 | ND | 0.1226 |
| 38) Dibromochloromethane | | ND | 0.0170 |
| 39) 1,2-Dibromoethane | | ND | 0.0153 |
| 40) Chlorobenzene | -0.09 | ND | 0.0092 |
| 41) Ethylbenzene | -0.04 | ND | 0.0087 |
| 42) p,&m-Xylene | 0.03 | ND | 0.0087 |
| 43) o-Xylene | -0.02 | ND | 0.0087 |
| 44) Styrene | 0.04 | ND | 0.0085 |
| 45) Bromoform | | ND | 0.0206 |



JUN 9'99 16:23 FR (14 25B 0921 10 11 GROUP IRVINE P.09

D:\GCMSB\990607\B1938.D

| | | | |
|---|---|---|---|
| Sample Name: | CWLWP102 OHM M9F080198-5 | Data Analyzed: | 06/ 8/99 17:55 |
| Misc. Info: | 500ml 18708-1142 TEDLAR BAG | Method: | MSB0608 |
| Data Name: | B1938.D | Shift Cali.File: | CC06081.D |
| Data Path: | D:\GCMSB\990607\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.46 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.10 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.05 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | -0.07 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.01 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.39 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.18 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.17 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.17 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.49 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 241818 | 271781 | OK | 7.07 | 7.12 | OK |
| 1,4-Difluorobenzene | 1070434 | 1196358 | OK | 8.72 | 8.76 | OK |
| Chlorobenzene-d5 | 570006 | 604334 | OK | 14.06 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.07 | 100.1 |
| Toluene-d8 | 50 | 41.15 | 82.3 |
| 4-Bromofluorobenzene | 50 | 49.78 | 99.6 |

Comments:

Foot Notes:

1st Review: 06 0999 2nd Review 10 06 0999

**OHM Remediation Services Corp.**
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY
217053
SVE 147 48HR
FORM 0001 REV. 3-97

| | | | | | |
|---|---|---|---|---|---|
| OHM / LAB REPRESENTATIVE: L. DIGNRONSKI | LAB REPRESENTATIVE'S PHONE: 949-660-7537 | LAB REPRESENTATIVE'S FAX: 949-475-5433 | LABORATORY SERVICES ID: | LABORATORY CONTACT: QUINTANA | NAME REPORT (LABORATORY FORM): IT GROUP |
| PROJECT NAME: EL TORO | PROJECT LOCATION: ELTORO - DOGS | PROJECT NUMBER: 18708 | LABORATORY PHONE: 949-251-1040 | LABORATORY FAX: | LABORATORY NAME: DWA LANK ISTLDA |
| PROJECT CONTACT: L. DIGNRONSKI | PROJECT PHONE NUMBER: — | PROJECT FAX: — | LABORATORY ADDRESS: 1721 GRAND | | ADDRESS: 3347 MICHELSON STREET |
| PROJECT ADDRESS: — | CITY, STATE AND ZIP CODE: — | CLIENT: SWDIV | CITY, STATE AND ZIP CODE: SANTA ANA | | CITY, STATE AND ZIP CODE: IRVINE CA |
| PROJECT MANAGER: B. SEDLAR | PROJECT MANAGER'S PHONE: 949-261-6441 | PROJECT MANAGER'S FAX: — | | | |

| Item | Sample Identifier | Matrix | Date | Time | Preserved | # of Cont. | QC Level | T.A.T. | Analyze TO-14 | [illegible] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1181 | WAR | 6-16 | 1230 | — | 2 | II | 24HR | X | | | | | | | | ANALYZE "A" TUBE FIRST |
| 2 | 18708-1182 | WAR | 6-16 | 1235 | — | 3 | II | 24HR | X | | | | | | | | |
| 3 | 18708-1183 | WAR | 6-16 | 1240 | — | 2 | II | 24HR | X | | | | | | | | |
| 4 | 18708-1184 | WAR | 6-16 | 1245 | — | 2 | II | 24HR | X | | | | | | | | |
| 5 | 18708-1185 | WAR | 6-16 | 1250 | — | 2 | II | 24HR | | | X | | | | | | ANALYZE ONLY IF 18708-1184 IS DETECTED |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

OR

| | | | | |
|---|---|---|---|---|
| LABORATORY RECEIVED BY: C. PARRISH | COURIER | | | COOLER TEMPERATURE UPON RECEIPT: |
| Cory Parrish | [illegible] | 6/18/99 | 3:[illegible] | SAMPLES CONDITION UPON RECEIPT: |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

JUN. 16. 1999 4:09PM

| Sample Point Location | Sample Type G | C | F |
|---|---|---|---|
| 1. SVE147 AND 48HR | X | | |
| 2. SVE147 48HR INC | X | | |
| 3. SVE147 48HR DUP HR | X | | |
| 4. SVE147 48HR MID | X | | |
| 5. SVE147 48HR EFF | X | | |

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample
QC - Quality Control Sample

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX0H6102 OHM M9F160225-02 | **Data Analyzed:** | 16 Jun 99 17:23 |
| **Misc. Info:** | 8 ml 18708-1182 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | B2017.D | **Shift Call.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 62.5 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | | ND | 125.00 |
| 3) Chloromethane | | ND | 250.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 125.00 |
| 5) Vinyl Chloride | | ND | 125.00 |
| 6) Bromomethane | 0.43 | ND | 125.00 |
| 7) Chloroethane | | ND | 250.00 |
| 8) Trichlorofluoromethane (11) | | ND | 125.00 |
| 9) 1,1-Dichloroethene | 0.00 | ND | 125.00 |
| 10) Carbon Disulfide | | ND | 625.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 300.16 | 125.00 |
| 12) Acetone | 0.04 | ND | 625.00 |
| 13) Methylene Chloride | -0.01 | ND | 125.00 |
| 14) t-1,2-Dichloroethene | | ND | 125.00 |
| 15) 1,1-Dichloroethane | | ND | 125.00 |
| 16) Vinyl Acetate | 0.05 | ND | 625.00 |
| 17) c-1,2-Dichloroethene | | ND | 125.00 |
| 18) 2-Butanone | -0.49 | ND | 625.00 |
| 19) Chloroform | 0.02 | ND | 125.00 |
| 20) 1,1,1-Trichloroethane | | ND | 125.00 |
| 21) Carbon Tetrachloride | 0.03 | 199.89 | 125.00 |
| 23) Benzene | | ND | 125.00 |
| 25) 1,2-Dichloroethane | | ND | 125.00 |
| 26) Trichloroethene | 0.03 | 8595.42 | 125.00 |
| 27) 1,2-Dichloropropane | -0.32 | ND | 125.00 |
| 28) Bromodichloromethane | | ND | 125.00 |
| 29) c-1,3-Dichloropropene | -0.48 | ND | 125.00 |
| 30) 4-Methyl-2-Pentanone | -0.03 | ND | 625.00 |
| 32) Toluene | 0.01 | ND | ~~125.00~~ 3/2.5 |
| 34) t-1,3-Dichloropropene | | ND | 125.00 |
| 35) 1,1,2-Trichloroethane | 0.04 | ND | 125.00 |
| 36) Tetrachloroethene | 0.02 | 206.22 | 125.00 |
| 37) 2-Hexanone | | ND | 1875.00 |
| 38) Dibromochloromethane | | ND | 125.00 |
| 39) 1,2-Dibromoethane | | ND | 125.00 |
| 40) Chlorobenzene | | ND | 125.00 |
| 41) Ethylbenzene | -0.44 | ND | 125.00 |
| 42) p,&m-Xylene | 0.11 | ND | 125.00 |
| 43) o-Xylene | | ND | 125.00 |
| 44) Styrene | | ND | 125.00 |
| 45) Bromoform | | ND | 125.00 |



JUN 17'99 14:43 FR 714 258 0921 TO IT GROUP IRVINE P.05

| | | | |
|---|---|---|---|
| **Sample Name:** | CX0GM102 OHM M9F160225-01 | **Data Analyzed:** | 06/16/99 16:56 |
| **Misc. Info:** | 400 ml 18708-1181 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | B2016.D | **Shift Call.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1.25 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.46 | ND | 2.50 |
| 48) Benzyl Chloride | 0.12 | ND | 12.50 |
| 49) 4-Ethyl Toluene | 0.03 | ND | 2.50 |
| 50) 1,3,5-Trimethylbenzene | 0.06 | ND | 2.50 |
| 51) 1,2,4-Trimethylbenzene | 0.07 | ND | 2.50 |
| 52) 1,3-Dichlorobenzene | 0.33 | ND | 2.50 |
| 53) 1,4-Dichlorobenzene | 0.13 | ND | 2.50 |
| 54) 1,2-Dichlorobenzene | -0.33 | ND | 2.50 |
| 55) 1,2,4-Trichlorobenzene | -0.25 | ND | 25.00 |
| 56) Hexachlorobutadiene | | ND | 5.00 |

MTBZ ND 19.5

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 253352 | OK | 7.11 | 7.11 | OK |
| 1,4-Difluorobenzene | 1134159 | 1114915 | OK | 8.76 | 8.75 | OK |
| Chlorobenzene-d5 | 643492 | 585340 | OK | 14.07 | 13.96 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 48.71 | 97.4 |
| Toluene-d8 | 50 | 41.17 | 82.3 |
| 4-Bromofluorobenzene | 50 | 51.41 | 102.8 |

Comments:

Foot Notes:

1st Review: 6/17/99 2nd Review: PN 6/17/99



JUN 17'99 14:43 FR 714 258 0921 TO IT GROUP IRVINE P.04

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX0H7102 OHM M9F160225-03 | **Data Analyzed:** | 16 Jun 99 17:50 |
| **Misc. Info:** | 10 ml 18708-1183 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | B2018.D | **Shift Call.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 50 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | | ND | 100.00 |
| 3) Chloromethane | 0.33 | ND | 200.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 100.00 |
| 5) Vinyl Chloride | | ND | 100.00 |
| 6) Bromomethane | | ND | 100.00 |
| 7) Chloroethane | | ND | 200.00 |
| 8) Trichlorofluoromethane (11) | | ND | 100.00 |
| 9) 1,1-Dichloroethene | 0.01 | 130.47 | 100.00 |
| 10) Carbon Disulfide | | ND | 500.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 329.19 | 100.00 |
| 12) Acetone | 0.00 | ND | 500.00 |
| 13) Methylene Chloride | -0.01 | ND | 100.00 |
| 14) t-1,2-Dichloroethene | 0.04 | ND | 100.00 |
| 15) 1,1-Dichloroethane | 0.08 | ND | 100.00 |
| 16) Vinyl Acetate | 0.01 | ND | 500.00 |
| 17) c-1,2-Dichloroethene | 0.05 | ND | 100.00 |
| 18) 2-Butanone | | ND | 500.00 |
| 19) Chloroform | 0.00 | ND | 100.00 |
| 20) 1,1,1-Trichloroethane | | ND | 100.00 |
| 21) Carbon Tetrachloride | 0.03 | 213.36 | 100.00 |
| 23) Benzene | | ND | 100.00 |
| 25) 1,2-Dichloroethane | -0.02 | ND | 100.00 |
| 26) Trichloroethene | 0.02 | 8517.62 | 100.00 |
| 27) 1,2-Dichloropropane | | ND | 100.00 |
| 28) Bromodichloromethane | | ND | 100.00 |
| 29) c-1,3-Dichloropropene | | ND | 100.00 |
| 30) 4-Methyl-2-Pentanone | 0.02 | ND | 500.00 |
| 32) Toluene | 0.48 | ND | ~~400.00~~ 250 |
| 34) t-1,3-Dichloropropene | | ND | 100.00 |
| 35) 1,1,2-Trichloroethane | -0.04 | ND | 100.00 |
| 36) Tetrachloroethene | 0.01 | 167.84 | 100.00 |
| 37) 2-Hexanone | 0.33 | ND | 1500.00 |
| 38) Dibromochloromethane | | ND | 100.00 |
| 39) 1,2-Dibromoethane | | ND | 100.00 |
| 40) Chlorobenzene | | ND | 100.00 |
| 41) Ethylbenzene | -0.34 | ND | 100.00 |
| 42) p,&m-Xylene | | ND | 100.00 |
| 43) o-Xylene | | ND | 100.00 |
| 44) Styrene | | ND | 100.00 |
| 45) Bromoform | | ND | 100.00 |



JUN 17'99 14:43 FR 714 258 0921 TO IT GROUP IRVINE P.07

| | | | |
|---|---|---|---|
| Sample Name: | CX0H6102 OHM M9F160225-02 | Data Analyzed: | 06/16/99 17:23 |
| Misc. Info: | 8 ml 18708-1182 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2017.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 62.5 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.39 | ND | 125.00 |
| 48) | Benzyl Chloride | | ND | 625.00 |
| 49) | 4-Ethyl Toluene | 0.47 | ND | 125.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.23 | ND | 125.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.03 | ND | 125.00 |
| 52) | 1,3-Dichlorobenzene | | ND | 125.00 |
| 53) | 1,4-Dichlorobenzene | | ND | 125.00 |
| 54) | 1,2-Dichlorobenzene | | ND | 125.00 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 1250.00 |
| 56) | Hexachlorobutadiene | | ND | 250.00 |

MTBE ND 625

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 264219 | OK | 7.11 | 7.10 | OK |
| 1,4-Difluorobenzene | 1134159 | 1221706 | OK | 8.76 | 8.76 | OK |
| Chlorobenzene-d5 | 643492 | 611525 | OK | 14.07 | 14.08 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 45.56 | 91.1 |
| Toluene-d8 | 50 | 44.67 | 89.3 |
| 4-Bromofluorobenzene | 50 | 46.08 | 92.2 |

Comments:

Foot Notes:

1st Review: 6/17/99 2nd Review: 6/17/99



JUN 17'99 14:43 FR 714 258 0921 TO IT GROUP IRVINE P.06

# TENTATIVELY IDENTIFIED COMPOUNDS

## SANTA ANA - AIR TOXICS

CLIENT ID: 18708-1183

SAMPLE NO: M9F160225-3

ANALYSIS DATE: 6/16/99

DILUTION FACTOR: 50

DATA FILE: B2018

| RETEN. TIME | CAS NO. | COMPOUND | CONC. (ppbv) |
|---|---|---|---|
| | | NO TICS REPORTED | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COMMENTS:

REDUCED BY: PRC 6/17/99

REVIEWED BY: AO 061799

TIC.XLS

| | | | |
|---|---|---|---|
| Sample Name: | CX0H7102 OHM M9F160225-03 | Data Analyzed: | 06/16/99 17:50 |
| Misc. Info: | 10 ml 18708-1183 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2018.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 50 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | | ND | 100.00 |
| 48) Benzyl Chloride | -0.49 | ND | 500.00 |
| 49) 4-Ethyl Toluene | | ND | 100.00 |
| 50) 1,3,5-Trimethylbenzene | 0.27 | ND | 100.00 |
| 51) 1,2,4-Trimethylbenzene | | ND | 100.00 |
| 52) 1,3-Dichlorobenzene | | ND | 100.00 |
| 53) 1,4-Dichlorobenzene | | ND | 100.00 |
| 54) 1,2-Dichlorobenzene | 0.06 | ND | 100.00 |
| 55) 1,2,4-Trichlorobenzene | | ND | 1000.00 |
| 56) Hexachlorobutadiene | | ND | 200.00 |
| MTBE | | ND | 500 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 209283 | OK | 7.11 | 7.09 | OK |
| 1,4-Difluorobenzene | 1134159 | 1056795 | OK | 8.76 | 8.76 | OK |
| Chlorobenzene-d5 | 643492 | 629236 | OK | 14.07 | 14.07 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 41.75 | 83.5 |
| Toluene-d8 | 50 | 42.64 | 85.3 |
| 4-Bromofluorobenzene | 50 | 50.35 | 100.7 |

Comments:

Foot Notes:

1st Review: 6/17/99

2nd Review: PN 6/17/99



JUN 17'99 14:44 FR 714 258 0921 TO IT GROUP IRVINE P.08

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CX0HC102 OHM M9F160225-04 | Data Analyzed: | 16 Jun 99 18:17 |
| Misc. Info: | 500 ml 18708-1184 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2019.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.17 | ND | 2.00 |
| 3) | Chloromethane | -0.05 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.03 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | | ND | 2.00 |
| 10) | Carbon Disulfide | -0.03 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.04 | ND | 2.00 |
| 12) | Acetone | 0.01 | ND | 10.00 |
| 13) | Methylene Chloride | -0.02 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | 0.23 | ND | 2.00 |
| 16) | Vinyl Acetate | -0.01 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | -0.03 | ND | 2.00 |
| 18) | 2-Butanone | 0.03 | ND | 10.00 |
| 19) | Chloroform | -0.01 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | 0.00 | ND | 2.00 |
| 21) | Carbon Tetrachloride | 0.01 | ND | 2.00 |
| 23) | Benzene | 0.02 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.00 | 46.35 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | -0.12 | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.08 | ND | 10.00 |
| 32) | Toluene | -0.06 | ~~2.01~~ ND | ~~2.00~~ 5.0 |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.07 | ND | 2.00 |
| 36) | Tetrachloroethene | -0.03 | 2.65 | 2.00 |
| 37) | 2-Hexanone | -0.32 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | -0.03 | ND | 2.00 |
| 41) | Ethylbenzene | -0.01 | ND | 2.00 |
| 42) | p,&m-Xylene | -0.00 | ND | 2.00 |
| 43) | o-Xylene | 0.02 | ND | 2.00 |
| 44) | Styrene | -0.01 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 17'99 14:44 FR 714 258 0921 TO IT GROUP IRVINE P.10

| | | | |
|---|---|---|---|
| Sample Name: | CX0HC102 OHM M9F160225-04 | Data Analyzed: | 06/16/99 18:17 |
| Misc. Info: | 500 ml 18708-1184 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2019.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.38 | ND | 2.00 |
| 48) Benzyl Chloride | 0.00 | ND | 10.00 |
| 49) 4-Ethyl Toluene | -0.02 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.09 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.12 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.32 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.17 | ND | 20.00 |
| 56) Hexachlorobutadiene | -0.47 | ND | 4.00 |
| MTBE | | ND ✓ | 10 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 261426 | OK | 7.11 | 7.09 | OK |
| 1,4-Difluorobenzene | 1134159 | 1165721 | OK | 8.76 | 8.73 | OK |
| Chlorobenzene-d5 | 643492 | 628599 | OK ✓ | 14.07 | 13.94 | OK ✓ |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 47.52 | 95.0 |
| Toluene-d8 | 50 | 40.66 | 81.3 |
| 4-Bromofluorobenzene | 50 | 53.94 | 107.9 |

Comments:

Foot Notes:

1st Review: K 6/17/99 2nd Review: PK 6/17/99



JUN 17 99 14:44 FR 714 258 0921 TO IT GROUP IRVINE P.11

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CX0HD102 OHM M9F160225-05 | Data Analyzed: | 16 Jun 99 18:45 |
| Misc. Info: | 500 ml 18708-1185 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2020.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.12 | ND | 2.00 |
| 3) Chloromethane | -0.06 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | 0.19 | ND | 2.00 |
| 7) Chloroethane | | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.00 | ND | 2.00 |
| 9) 1,1-Dichloroethene | | ND | 2.00 |
| 10) Carbon Disulfide | -0.01 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 2.00 |
| 12) Acetone | 0.02 | ND | 10.00 |
| 13) Methylene Chloride | -0.01 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | 0.03 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | 0.33 | ND | 2.00 |
| 18) 2-Butanone | 0.19 | ND | 10.00 |
| 19) Chloroform | -0.02 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.00 | ND | 2.00 |
| 23) Benzene | 0.02 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | -0.01 | 19.93 | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | | ND | 2.00 |
| 29) c-1,3-Dichloropropene | 0.49 | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.05 | ND | 10.00 |
| 32) Toluene | -0.08 | ~~2.65~~ ND | ~~2.00~~ 5.0 |
| 34) t-1,3-Dichloropropene | | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | | ND | 2.00 |
| 36) Tetrachloroethene | -0.02 | ND | 2.00 |
| 37) 2-Hexanone | -0.01 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | 0.01 | ND | 2.00 |
| 42) p,&m-Xylene | -0.04 | ND | 2.00 |
| 43) o-Xylene | 0.04 | ND | 2.00 |
| 44) Styrene | 0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 17'99 14:45 FR 714 258 0921 TO IT GROUP IRVINE P.12

| | | | |
|---|---|---|---|
| **Sample Name:** | CX0HD102 OHM M9F160225-05 | **Data Analyzed:** | 06/16/99 18:45 |
| **Misc. Info:** | 500 ml 18708-1185 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | B2020.D | **Shift Cali.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.30 | ND | 2.00 |
| 48) Benzyl Chloride | -0.01 | ND | 10.00 |
| 49) 4-Ethyl Toluene | -0.00 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.04 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.04 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.29 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.09 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.41 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | -0.34 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |

MTBE ND 10

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 263094 | OK | 7.11 | 7.09 | OK |
| 1,4-Difluorobenzene | 1134159 | 1152878 | OK | 8.76 | 8.73 | OK |
| Chlorobenzene-d5 | 643492 | 606135 | OK | 14.07 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 46.58 | 93.2 |
| Toluene-d8 | 50 | 40.05 | 80.1 |
| 4-Bromofluorobenzene | 50 | 48.20 | 96.4 |

Comments:

Foot Notes:

1st Review: 6/17'99 2nd Review: PN 6/17/99



714 258 0921 TO IT GROUP IRVINE P.13

## Quanterra Air Toxics Lab

**Sample Name:** CX0GM102 OHM M9F160225-0 **Data Analyzed:** 16 Jun 99 16:56
**Misc. Info:** 400 ml 18708-1181 TEDLAR BAG **Method:** MSB0616
**Data Name:** b2016.d **Shift Cali.File:** CC06161.D
**Data Path:** d:\gcmsb\990614\ **Dilution Factor:** 1.25

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.07 | ND | 0.0123 |
| 3) | Chloromethan | -0.01 | ND | 0.0103 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0174 |
| 5) | Vinyl Chloride | | ND | 0.0064 |
| 6) | Bromomethan | | ND | 0.0097 |
| 7) | Chloroethane | | ND | 0.0132 |
| 8) | Trichlorofluoromethane (11) | -0.03 | ND | 0.0140 |
| 9) | 1,1-Dichloroethene | -0.00 | ND | 0.0099 |
| 10) | Carbon Disulfide | -0.00 | ND | 0.0389 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 0.0357 | 0.0191 |
| 12) | Acetone | -0.00 | ND | 0.0296 |
| 13) | Methylene Chloride | -0.00 | ND | 0.0087 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0099 |
| 15) | 1,1-Dichloroethane | | ND | 0.0101 |
| 16) | Vinyl Acetate | 0.13 | ND | 0.0439 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0099 |
| 18) | 2-Butanone | 0.04 | ND | 0.0368 |
| 19) | Chloroform | 0.00 | ND | 0.0122 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0136 |
| 21) | Carbon Tetrachloride | 0.00 | ND | 0.0157 |
| 23) | Benzene | -0.03 | ND | 0.0080 |
| 25) | 1,2-Dichloroethane | | ND | 0.0101 |
| 26) | Trichloroethene | -0.01 | 0.7117 | 0.0134 |
| 27) | 1,2-Dichloropropane | | ND | 0.0115 |
| 28) | Bromodichloromethane | | ND | 0.0167 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0113 |
| 30) | 4-Methyl-2-Pentanone | -0.08 | ND | 0.0511 |
| 32) | Toluene | -0.06 | ND | ~~0.0094~~ 0.0123 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0113 |
| 35) | 1,1,2-Trichloroethane | | ND | 0.0136 |
| 36) | Tetrachloroethene | -0.01 | 0.0206 | 0.0169 |
| 37) | 2-Hexanone | -0.35 | ND | 0.1533 |
| 38) | Dibromochloromethane | | ND | 0.0213 |
| 39) | 1,2-Dibromoethane | | ND | 0.0192 |
| 40) | Chlorobenzene | | ND | 0.0115 |
| 41) | Ethylbenzene | -0.04 | ND | 0.0108 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0108 |
| 43) | o-Xylene | 0.06 | ND | 0.0108 |
| 44) | Styrene | 0.00 | ND | 0.0106 |
| 45) | Bromoform | | ND | 0.0258 |



JUN 17 '99 14:45 HR 714 258 0921 TO IT GROUP IRVINE P.14

| | | | |
|---|---|---|---|
| Sample Name: | CX0GM102 OHM M9F160225-0 | Data Analyzed: | 06/16/99 16:56 |
| Misc. Info: | 400 ml 18708-1181 TEDLAR B | Method: | MSB0616 |
| Data Name: | b2016.d | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1.25 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.46 | ND | 0.0171 |
| 48) | Benzyl Chloride | 0.12 | ND | 0.0647 |
| 49) | 4-Ethyl Toluene | 0.03 | ND | 0.0123 |
| 50) | 1,3,5-Trimethylbenzene | 0.06 | ND | 0.0123 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 0.0123 |
| 52) | 1,3-Dichlorobenzene | 0.33 | ND | 0.0150 |
| 53) | 1,4-Dichlorobenzene | 0.13 | ND | 0.0150 |
| 54) | 1,2-Dichlorobenzene | -0.33 | ND | 0.0150 |
| 55) | 1,2,4-Trichlorobenzene | -0.25 | ND | 0.1852 |
| 56) | Hexachlorobutadiene | | ND | 0.0532 |
| | MTBE | | ND | 0.045 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 253352 | OK | 7.11 | 7.11 | OK |
| 1,4-Difluorobenzene | 1134159 | 1114915 | OK | 8.76 | 8.75 | OK |
| Chlorobenzene-d5 | 643492 | 595340 | OK | 14.07 | 13.98 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 48.71 | 97.4 |
| Toluene-d8 | 50 | 41.17 | 82.3 |
| 4-Bromofluorobenzene | 50 | 51.41 | 102.8 |

Comments:

Foot Notes:

1st Review: 6/17/99 2nd Review PN 6/17/99



714 258 0921 TO IT GROUP IRVINE P.15

## Quanterra Air Toxics Lab

**Sample Name:** CX0H6102 OHM M9F160225-02 **Data Analyzed:** 16 Jun 99 17:23
**Misc. Info:** 8 ml 18708-1182 TEDLAR BAG **Method:** MSB0616
**Data Name:** b2017.d **Shift Cal.File:** CC06161.D
**Data Path:** d:\gcmsb\990614\ **Dilution Factor:** 62.5

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | | ND | 0.6169 |
| 3) | Chloromethan | | ND | 0.5153 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.8720 |
| 5) | Vinyl Chloride | | ND | 0.3189 |
| 6) | Bromomethan | 0.43 | ND | 0.4844 |
| 7) | Chloroethane | | ND | 0.6583 |
| 8) | Trichlorofluoromethane (11) | | ND | 0.7009 |
| 9) | 1,1-Dichloroethene | 0.00 | ND | 0.4946 |
| 10) | Carbon Disulfide | | ND | 1.9425 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.01 | 2.2956 | 0.9560 |
| 12) | Acetone | 0.04 | ND | 1.4819 |
| 13) | Methylene Chloride | -0.01 | ND | 0.4334 |
| 14) | t-1,2-Dichloroethene | | ND | 0.4946 |
| 15) | 1,1-Dichloroethane | | ND | 0.5049 |
| 16) | Vinyl Acetate | 0.05 | ND | 2.1963 |
| 17) | c-1,2-Dichloroethene | | ND | 0.4946 |
| 18) | 2-Butanone | -0.49 | ND | 1.8394 |
| 19) | Chloroform | 0.02 | ND | 0.6091 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.6806 |
| 21) | Carbon Tetrachloride | 0.03 | 1.2549 | 0.7847 |
| 23) | Benzene | | ND | 0.3985 |
| 25) | 1,2-Dichloroethane | | ND | 0.5049 |
| 26) | Trichloroethene | 0.03 | 46.0973 | 0.6704 |
| 27) | 1,2-Dichloropropane | -0.32 | ND | 0.5765 |
| 28) | Bromodichloromethane | | ND | 0.8359 |
| 29) | c-1,3-Dichloropropene | -0.48 | ND | 0.5661 |
| 30) | 4-Methyl-2-Pentanone | -0.03 | ND | 2.5550 |
| 32) | Toluene | 0.01 | ND | ~~0.4701~~ 1.175 |
| 34) | t-1,3-Dichloropropene | | ND | 0.5661 |
| 35) | 1,1,2-Trichloroethane | 0.04 | ND | 0.6806 |
| 36) | Tetrachloroethene | 0.02 | 1.3959 | 0.8461 |
| 37) | 2-Hexanone | | ND | 7.6650 |
| 38) | Dibromochloromethane | | ND | 1.0628 |
| 39) | 1,2-Dibromoethane | | ND | 0.9585 |
| 40) | Chlorobenzene | | ND | 0.5743 |
| 41) | Ethylbenzene | -0.44 | ND | 0.5416 |
| 42) | p,&m-Xylene | 0.11 | ND | 0.5416 |
| 43) | o-Xylene | | ND | 0.5416 |
| 44) | Styrene | | ND | 0.5314 |
| 45) | Bromoform | | ND | 1.2895 |



JUN 17'99 14:46 FR 714 258 0921 TO IT GROUP IRVINE P.16

| | | | |
|---|---|---|---|
| Sample Name: | CX0H6102 OHM M9F160225-02 | Data Analyzed: | 06/16/99 17:23 |
| Misc. Info: | 8 ml 18708-1182 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | b2017.d | Shift Cal.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 62.5 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.39 | ND | 0.8564 |
| 48) | Benzyl Chloride | | ND | 3.2350 |
| 49) | 4-Ethyl Toluene | 0.47 | ND | 0.6133 |
| 50) | 1,3,5-Trimethylbenzene | 0.23 | ND | 0.6133 |
| 51) | 1,2,4-Trimethylbenzene | 0.03 | ND | 0.6133 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.7500 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.7500 |
| 54) | 1,2-Dichlorobenzene | | ND | 0.7500 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 9.2575 |
| 56) | Hexachlorobutadiene | | ND | 2.6608 |
| | MTBE | | ND | 2.25 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 284219 | OK | 7.11 | 7.10 | OK |
| 1,4-Difluorobenzene | 1134159 | 1221706 | OK | 8.76 | 8.76 | OK |
| Chlorobenzene-d5 | 643492 | 611525 | OK | 14.07 | 14.08 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 45.56 | 91.1 |
| Toluene-d8 | 50 | 44.67 | 89.3 |
| 4-Bromofluorobenzene | 50 | 46.08 | 92.2 |

Comments:

Foot Notes:

1st Review: 6/17/99 2nd Review 6/17/99



JUN 17'99 14:46 FR 714 258 0921 TO IT GROUP IRVINE P.17

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CX0H7102 OHM M9F160225-0 | Data Analyzed: | 16 Jun 99 17:50 |
| Misc. Info: | 10 ml 18708-1183 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | b2018.d | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 50 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | | ND | 0.4935 |
| 3) | Chloromethan | 0.33 | ND | 0.4122 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.6976 |
| 5) | Vinyl Chloride | | ND | 0.2551 |
| 6) | Bromomethan | | ND | 0.3875 |
| 7) | Chloroethane | | ND | 0.5266 |
| 8) | Trichlorofluoromethane (11) | | ND | 0.5607 |
| 9) | 1,1-Dichloroethene | 0.01 | 0.5163 | 0.3957 |
| 10) | Carbon Disulfide | | ND | 1.5540 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | 2.5177 | 0.7648 |
| 12) | Acetone | 0.00 | ND | 1.1855 |
| 13) | Methylene Chloride | -0.01 | ND | 0.3467 |
| 14) | t-1,2-Dichloroethene | 0.04 | ND | 0.3957 |
| 15) | 1,1-Dichloroethane | 0.08 | ND | 0.4039 |
| 16) | Vinyl Acetate | 0.01 | ND | 1.7570 |
| 17) | c-1,2-Dichloroethene | 0.05 | ND | 0.3957 |
| 18) | 2-Butanone | | ND | 1.4715 |
| 19) | Chloroform | 0.00 | ND | 0.4873 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.5445 |
| 21) | Carbon Tetrachloride | 0.03 | 1.3395 | 0.6278 |
| 23) | Benzene | | ND | 0.3188 |
| 25) | 1,2-Dichloroethane | -0.02 | ND | 0.4039 |
| 26) | Trichloroethene | 0.02 | 45.6800 | 0.5363 |
| 27) | 1,2-Dichloropropane | | ND | 0.4612 |
| 28) | Bromodichloromethane | | ND | 0.6687 |
| 29) | c-1,3-Dichloropropene | | ND | 0.4529 |
| 30) | 4-Methyl-2-Pentanone | 0.02 | ND | 2.0440 |
| 32) | Toluene | 0.48 | ND | ~~0.3781~~ 0.9403 |
| 34) | t-1,3-Dichloropropene | | ND | 0.4529 |
| 35) | 1,1,2-Trichloroethane | -0.04 | ND | 0.5445 |
| 36) | Tetrachloroethene | 0.01 | 1.1361 | 0.6769 |
| 37) | 2-Hexanone | 0.33 | ND | 6.1320 |
| 38) | Dibromochloromethane | | ND | 0.8502 |
| 39) | 1,2-Dibromoethane | | ND | 0.7668 |
| 40) | Chlorobenzene | | ND | 0.4594 |
| 41) | Ethylbenzene | -0.34 | ND | 0.4333 |
| 42) | p,&m-Xylene | | ND | 0.4333 |
| 43) | o-Xylene | | ND | 0.4333 |
| 44) | Styrene | | ND | 0.4251 |
| 45) | Bromoform | | ND | 1.0316 |



JUN 17'99 14:46 FR 714 258 0921 TO IT GROUP IRVINE P.18

| | | | |
|---|---|---|---|
| Sample Name: | CX0H7102 OHM M9F160225-03 | Data Analyzed: | 06/16/99 17:50 |
| Misc. Info: | 10 ml 18708-1183 TEDLAR BA | Method: | MSB0616 |
| Data Name: | b2018.d | Shift Cali.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 50 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | | ND | 0.6851 |
| 48) | Benzyl Chloride | -0.49 | ND | 2.5880 |
| 49) | 4-Ethyl Toluene | | ND | 0.4906 |
| 50) | 1,3,5-Trimethylbenzene | 0.27 | ND | 0.4906 |
| 51) | 1,2,4-Trimethylbenzene | | ND | 0.4906 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.6000 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.6000 |
| 54) | 1,2-Dichlorobenzene | 0.06 | ND | 0.6000 |
| 55) | 1,2,4-Trichlorobenzene | | ND | 7.4060 |
| 56) | Hexachlorobutadiene | | ND | 2.1286 |
| | MTBE | | ND | 1.8 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 209283 | OK | 7.11 | 7.09 | OK |
| 1,4-Difluorobenzene | 1134159 | 1056795 | OK | 8.76 | 8.76 | OK |
| Chlorobenzene-d5 | 643492 | 629236 | OK | 14.07 | 14.07 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 41.75 | 83.5 |
| Toluene-d8 | 50 | 42.64 | 85.3 |
| 4-Bromofluorobenzene | 50 | 50.35 | 100.7 |

Comments:

Foot Notes:

1st Review: 6/17/99 2nd Review PN 6/17/99



JUN 17'99 14:46 FR 714 258 0921 TO IT GROUP IRVINE P.19

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CX0HC102 OHM M9F160225-0[illegible] | **Data Analyzed:** | 16 Jun 99 18:17 |
| **Misc. Info:** | 500 ml 18708-1184 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | b2019.d | **Shift Cal.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.17 | ND | 0.0099 |
| 3) | Chloromethan | -0.05 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.03 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.03 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.04 | ND | 0.0153 |
| 12) | Acetone | 0.01 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.02 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | 0.23 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.01 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | -0.03 | ND | 0.0079 |
| 18) | 2-Butanone | 0.03 | ND | 0.0294 |
| 19) | Chloroform | -0.01 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | 0.00 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.01 | ND | 0.0126 |
| 23) | Benzene | 0.02 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | 0.00 | 0.2486 ✓ | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | -0.12 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.08 | ND | 0.0409 |
| 32) | Toluene | -0.06 | ~~0.0076~~ ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropane | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.07 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.03 | 0.0179 ✓ | 0.0135 |
| 37) | 2-Hexanone | -0.32 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | -0.03 | ND | 0.0092 |
| 41) | Ethylbenzene | -0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | -0.00 | ND | 0.0087 |
| 43) | o-Xylene | 0.02 | ND | 0.0087 |
| 44) | Styrene | -0.01 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 17'99 14:47 FR 714 258 0921 TO IT GROUP IRVINE P.20

| | | | |
|---|---|---|---|
| Sample Name: | CX0HC102 OHM M9F160225-04 | Data Analyzed: | 06/16/99 18:17 |
| Misc. Info: | 500 ml 18708-1184 TEDLAR B | Method: | MSB0616 |
| Data Name: | b2019.d | Shift Cali.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.38 | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.00 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | -0.02 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.09 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.12 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.32 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.17 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | -0.47 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 261426 | OK | 7.11 | 7.09 | OK |
| 1,4-Difluorobenzene | 1134159 | 1165721 | OK | 8.76 | 8.73 | OK |
| Chlorobenzene-d5 | 643492 | 628599 | OK ✓ | 14.07 | 13.94 | OK ✓ |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 47.52 | 95.0 |
| Toluene-d8 | 50 | 40.66 | 81.3 |
| 4-Bromofluorobenzene | 50 | 53.94 | 107.9 |

Comments:

Foot Notes:

1st Review: L 6/17/99 2nd Review PN 6/17/99



/14 258 0921 TO IT GROUP IRVINE P.21

## Quanterra Air Toxics Lab

**Sample Name:** CX0HD102 OHM M9F160225-05 **Data Analyzed:** 16 Jun 99 18:45
**Misc. Info:** 500 ml 18708-1185 TEDLAR BAG **Method:** MSB0616
**Data Name:** B2020.D **Shift Cal.File:** CC06161.D
**Data Path:** D:\GCMSB\990614\ **Dilution Factor:** 1

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.12 | ND | 0.0099 |
| 3) | Chloromethan | -0.06 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | 0.19 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 0.0153 |
| 12) | Acetone | 0.02 | ND | 0.0237 |
| 13) | Methylene Chloride | -0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.03 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | 0.33 | ND | 0.0079 |
| 18) | 2-Butanone | 0.19 | ND | 0.0294 |
| 19) | Chloroform | -0.02 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.00 | ND | 0.0126 |
| 23) | Benzene | 0.02 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.01 | 0.1069 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | 0.49 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.05 | ND | 0.0409 |
| 32) | Toluene | -0.08 | ~~0.0180~~ ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.02 | ND | 0.0135 |
| 37) | 2-Hexanone | -0.01 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | -0.04 | ND | 0.0087 |
| 43) | o-Xylene | 0.04 | ND | 0.0087 |
| 44) | Styrene | 0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 17'99 14:47 FR 714 258 0921 TO IT GROUP IRVINE P.22

| | | | |
|---|---|---|---|
| **Sample Name:** | CX0HD102 OHM M9F160225-0 | **Data Analyzed:** | 06/16/99 18:45 |
| **Misc. Info:** | 500 ml 18708-1185 TEDLAR B | **Method:** | MSB0616 |
| **Data Name:** | B2020.D | **Shift Call.File:** | CC08161.D |
| **Data Path:** | D:\GCMSB\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.30 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.01 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | -0.00 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.04 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.04 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.29 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.09 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.41 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | -0.34 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 263094 | OK | 7.11 | 7.09 | OK |
| 1,4-Difluorobenzene | 1134159 | 1152878 | OK | 8.76 | 8.73 | OK |
| Chlorobenzene-d5 | 643492 | 606135 | OK | 14.07 | 13.95 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 46.58 | 93.2 |
| Toluene-d8 | 50 | 40.05 | 80.1 |
| 4-Bromofluorobenzene | 50 | 48.20 | 96.4 |

Comments:

Foot Notes:

1st Review: 6/17/99 2nd Review PM 6/17/99

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWQA-102 OHM M9F150209-1 | **Data Analyzed:** | 15 Jun 99 8:44 pm |
| **Misc. Info:** | 533ML 18708-1177 TEDLAR | **Method:** | MSA0615 |
| **Data Name:** | A3065.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 0.9375 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.03 | ND | 1.88 |
| 3) | Chloromethane | 0.03 | ND | 3.75 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 1.88 |
| 5) | Vinyl Chloride | | ND | 1.88 |
| 6) | Bromomethane | | ND | 1.88 |
| 7) | Chloroethane | | ND | 3.75 |
| 8) | Trichlorofluoromethane (11) | -0.02 | ND | 1.88 |
| 9) | 1,1-Dichloroethene | -0.30 | ND | 1.88 |
| 10) | Carbon Disulfide | -0.00 | ND | 9.38 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.04 | ND | 1.88 |
| 12) | Acetone | -0.00 | ND | 9.38 |
| 13) | Methylene Chloride | -0.01 | ND | 1.88 |
| 14) | t-1,2-Dichloroethene | | ND | 1.88 |
| 15) | 1,1-Dichloroethane | | ND | 1.88 |
| 16) | Vinyl Acetate | -0.41 | ND | 9.38 |
| 17) | c-1,2-Dichloroethene | | ND | 1.88 |
| 18) | 2-Butanone | 0.01 | ND | 9.38 |
| 19) | Chloroform | 0.15 | ND | 1.88 |
| 20) | 1,1,1-Trichloroethane | | ND | 1.88 |
| 21) | Carbon Tetrachloride | 0.02 | ND | 1.88 |
| 23) | Benzene | 0.00 | ND | 1.88 |
| 25) | 1,2-Dichloroethane | | ND | 1.88 |
| 26) | Trichloroethene | 0.02 | ND | 1.88 |
| 27) | 1,2-Dichloropropane | | ND | 1.88 |
| 28) | Bromodichloromethane | | ND | 1.88 |
| 29) | c-1,3-Dichloropropene | | ND | 1.88 |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 9.38 |
| 32) | Toluene | -0.04 | ND | ~~1.88~~ 5.00 Base RL |
| 34) | t-1,3-Dichloropropene | 0.14 | ND | 1.88 |
| 35) | 1,1,2-Trichloroethane | 0.46 | ND | 1.88 |
| 36) | Tetrachloroethene | 0.04 | ND | 1.88 |
| 37) | 2-Hexanone | 0.12 | ND | 28.13 |
| 38) | Dibromochloromethane | | ND | 1.88 |
| 39) | 1,2-Dibromoethane | | ND | 1.88 |
| 40) | Chlorobenzene | | ND | 1.88 |
| 41) | Ethylbenzene | 0.28 | ND | 1.88 |
| 42) | p,&m-Xylene | 0.01 | ND | 1.88 |
| 43) | o-Xylene | 0.07 | ND | 1.88 |
| 44) | Styrene | 0.08 | ND | 1.88 |
| 45) | Bromoform | | ND | 1.88 |



JUN 16'99 15:49 FR 714 258 0921 TO IT GROUP IRVINE P.03

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWWQC-102 OHM M9F150209-2 | Data Analyzed: | 15 Jun 99 8:13 pm |
| Misc. Info: | 4ML 18708-1178 TEDLAR | Method: | MSA0615 |
| Data Name: | A3064.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSA~1\990614\ | Dilution Factor: | 125 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | | ND | 250.00 |
| 3) | Chloromethane | | ND | 500.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 250.00 |
| 5) | Vinyl Chloride | | ND | 250.00 |
| 6) | Bromomethane | 0.27 | ND | 250.00 |
| 7) | Chloroethane | | ND | 500.00 |
| 8) | Trichlorofluoromethane (11) | | ND | 250.00 |
| 9) | 1,1-Dichloroethene | 0.00 | 262.13 | 250.00 |
| 10) | Carbon Disulfide | | ND | 1250.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | 769.42 | 250.00 |
| 12) | Acetone | 0.01 | ND | 1250.00 |
| 13) | Methylene Chloride | -0.02 | ND | 250.00 |
| 14) | t-1,2-Dichloroethene | | ND | 250.00 |
| 15) | 1,1-Dichloroethane | -0.04 | ND | 250.00 |
| 16) | Vinyl Acetate | -0.41 | ND | 1250.00 |
| 17) | c-1,2-Dichloroethene | 0.00 | ND | 250.00 |
| 18) | 2-Butanone | | ND | 1250.00 |
| 19) | Chloroform | -0.01 | ND | 250.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 250.00 |
| 21) | Carbon Tetrachloride | 0.01 | 469.29 | 250.00 |
| 23) | Benzene | 0.06 | ND | 250.00 |
| 25) | 1,2-Dichloroethane | | ND | 250.00 |
| 26) | Trichloroethene | -0.01 | 25646.15 | 250.00 |
| 27) | 1,2-Dichloropropane | -0.37 | ND | 250.00 |
| 28) | Bromodichloromethane | | ND | 250.00 |
| 29) | c-1,3-Dichloropropene | | ND | 250.00 |
| 30) | 4-Methyl-2-Pentanone | -0.03 | ND | 1250.00 |
| 32) | Toluene | | ND | ~~250.00~~ 625. |
| 34) | t-1,3-Dichloropropene | | ND | 250.00 |
| 35) | 1,1,2-Trichloroethane | 0.04 | ND | 250.00 |
| 36) | Tetrachloroethene | -0.02 | 486.12 | 250.00 |
| 37) | 2-Hexanone | | ND | 3750.00 |
| 38) | Dibromochloromethane | | ND | 250.00 |
| 39) | 1,2-Dibromoethane | | ND | 250.00 |
| 40) | Chlorobenzene | | ND | 250.00 |
| 41) | Ethylbenzene | -0.42 | ND | 250.00 |
| 42) | p,&m-Xylene | | ND | 250.00 |
| 43) | o-Xylene | | ND | 250.00 |
| 44) | Styrene | | ND | 250.00 |
| 45) | Bromoform | | ND | 250.00 |



JUN 16'99 15:49 FR 714 258 0921 TO IT GROUP IRVINE P.05

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWQD-102 OHM M9F150209-3 | **Data Analyzed:** | 15 Jun 99 7:35 pm |
| **Misc. Info:** | 500ML 18708-1179/TEDLAR | **Method:** | MSA0615 |
| **Data Name:** | A3063.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 2) Dichlorodifluoromethane (12) | -0.05 | ND | 2.00 |
| 3) Chloromethane | -0.03 | ND | 4.00 |
| 4) 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) Vinyl Chloride | | ND | 2.00 |
| 6) Bromomethane | | ND | 2.00 |
| 7) Chloroethane | -0.03 | ND | 4.00 |
| 8) Trichlorofluoromethane (11) | -0.00 | ND | 2.00 |
| 9) 1,1-Dichloroethene | -0.01 | ND | 2.00 |
| 10) Carbon Disulfide | -0.00 | ND | 10.00 |
| 11) 1,1,2-Cl 1,2,2-F ethane (113) | -0.09 | ND | 2.00 |
| 12) Acetone | 0.02 | 12.25 | 10.00 |
| 13) Methylene Chloride | 0.01 | ND | 2.00 |
| 14) t-1,2-Dichloroethene | | ND | 2.00 |
| 15) 1,1-Dichloroethane | | ND | 2.00 |
| 16) Vinyl Acetate | -0.39 | ND | 10.00 |
| 17) c-1,2-Dichloroethene | | ND | 2.00 |
| 18) 2-Butanone | 0.02 | ND | 10.00 |
| 19) Chloroform | 0.18 | ND | 2.00 |
| 20) 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) Carbon Tetrachloride | 0.00 | ND | 2.00 |
| 23) Benzene | 0.02 | ND | 2.00 |
| 25) 1,2-Dichloroethane | | ND | 2.00 |
| 26) Trichloroethene | -0.01 | 68.28 | 2.00 |
| 27) 1,2-Dichloropropane | | ND | 2.00 |
| 28) Bromodichloromethane | | ND | 2.00 |
| 29) c-1,3-Dichloropropene | | ND | 2.00 |
| 30) 4-Methyl-2-Pentanone | -0.09 | ND | 10.00 |
| 32) Toluene | -0.06 | ND | ~~2.00~~ 5. |
| 34) t-1,3-Dichloropropene | 0.29 | ND | 2.00 |
| 35) 1,1,2-Trichloroethane | 0.06 | ND | 2.00 |
| 36) Tetrachloroethene | -0.07 | 2.85 | 2.00 |
| 37) 2-Hexanone | 0.06 | ND | 30.00 |
| 38) Dibromochloromethane | | ND | 2.00 |
| 39) 1,2-Dibromoethane | | ND | 2.00 |
| 40) Chlorobenzene | | ND | 2.00 |
| 41) Ethylbenzene | -0.01 | ND | 2.00 |
| 42) p,&m-Xylene | 0.01 | ND | 2.00 |
| 43) o-Xylene | 0.10 | ND | 2.00 |
| 44) Styrene | 0.04 | ND | 2.00 |
| 45) Bromoform | | ND | 2.00 |



JUN 16'99 15:50 FR 714 258 0921 TO IT GROUP IRVINE P.07

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWWQE-102 OHM M9F150209-4 | Data Analyzed: | 15 Jun 99 9:14 pm |
| Misc. Info: | 500ML 18708-1180 TEDLAR | Method: | MSA0615 |
| Data Name: | A3066.D | Shift Cali.File: | CC06151.D |
| Data Path: | D:\GCMSA~1\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.05 | ND | 2.00 |
| 3) | Chloromethane | -0.01 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | 0.27 | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.03 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | -0.30 | ND | 2.00 |
| 10) | Carbon Disulfide | 0.01 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | ND | 2.00 |
| 12) | Acetone | 0.02 | 11.87 | 10.00 |
| 13) | Methylene Chloride | -0.01 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | | ND | 2.00 |
| 15) | 1,1-Dichloroethane | | ND | 2.00 |
| 16) | Vinyl Acetate | -0.13 | ND | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | -0.00 | ND | 10.00 |
| 19) | Chloroform | 0.00 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | | ND | 2.00 |
| 21) | Carbon Tetrachloride | 0.03 | ND | 2.00 |
| 23) | Benzene | -0.00 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | -0.01 | 12.37 | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | -0.12 | ND | 10.00 |
| 32) | Toluene | -0.08 | ND | ~~2.00~~ 5. |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | 0.36 | ND | 2.00 |
| 36) | Tetrachloroethene | 0.02 | ND | 2.00 |
| 37) | 2-Hexanone | 0.27 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | | ND | 2.00 |
| 41) | Ethylbenzene | 0.28 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.01 | ND | 2.00 |
| 43) | o-Xylene | 0.06 | ND | 2.00 |
| 44) | Styrene | 0.08 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 16'99 15:50 FR 714 258 0921 TO IT GROUP IRVINE P.09

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWWQA-102 OHM M9F150209- | Data Analyzed: | 15 Jun 99 8:44 pm |
| Misc. Info: | 533ML 18708-1177 TEDLAR | Method: | MSA0615 |
| Data Name: | A3065.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSA-1\990614\ | Dilution Factor: | 0.9375 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.03 | ND | 0.0093 |
| 3) | Chloromethan | 0.03 | ND | 0.0077 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0131 |
| 5) | Vinyl Chloride | | ND | 0.0048 |
| 6) | Bromomethan | | ND | 0.0073 |
| 7) | Chloroethane | | ND | 0.0099 |
| 8) | Trichlorofluoromethane (11) | -0.02 | ND | 0.0105 |
| 9) | 1,1-Dichloroethene | -0.30 | ND | 0.0074 |
| 10) | Carbon Disulfide | -0.00 | ND | 0.0291 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.04 | ND | 0.0143 |
| 12) | Acetone | -0.00 | ND | 0.0222 |
| 13) | Methylene Chloride | -0.01 | ND | 0.0085 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0074 |
| 15) | 1,1-Dichloroethane | | ND | 0.0076 |
| 16) | Vinyl Acetate | -0.41 | ND | 0.0329 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0074 |
| 18) | 2-Butanone | 0.01 | ND | 0.0276 |
| 19) | Chloroform | 0.15 | ND | 0.0091 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0102 |
| 21) | Carbon Tetrachloride | 0.02 | ND | 0.0118 |
| 23) | Benzene | 0.00 | ND | 0.0060 |
| 25) | 1,2-Dichloroethane | | ND | 0.0076 |
| 26) | Trichloroethene | 0.02 | ND | 0.0101 |
| 27) | 1,2-Dichloropropane | | ND | 0.0086 |
| 28) | Bromodichloromethane | | ND | 0.0125 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0085 |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 0.0383 |
| 32) | Toluene | -0.04 | ND | ~~0.0071~~ 0.0188 (Bar RL) |
| 34) | t-1,3-Dichloropropene | 0.14 | ND | 0.0085 |
| 35) | 1,1,2-Trichloroethane | 0.46 | ND | 0.0102 |
| 36) | Tetrachloroethene | 0.04 | ND | 0.0127 |
| 37) | 2-Hexanone | 0.12 | ND | 0.1150 |
| 38) | Dibromochloromethane | | ND | 0.0159 |
| 39) | 1,2-Dibromoethane | | ND | 0.0144 |
| 40) | Chlorobenzene | | ND | 0.0086 |
| 41) | Ethylbenzene | 0.28 | ND | 0.0081 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0081 |
| 43) | o-Xylene | 0.07 | ND | 0.0081 |
| 44) | Styrene | 0.08 | ND | 0.0080 |
| 45) | Bromoform | | ND | 0.0193 |



JUN 16'99 15:51 FR 714 258 0921 TO IT GROUP IRVINE P.11

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWQC-102 OHM M9F150209-2 | **Data Analyzed:** | 15 Jun 99 8:13 pm |
| **Misc. Info:** | 4ML 18708-1178 TEDLAR | **Method:** | MSA0615 |
| **Data Name:** | A3064.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 125 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | | ND | 1.2338 |
| 3) | Chloromethan | | ND | 1.0305 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 1.7440 |
| 5) | Vinyl Chloride | | ND | 0.6378 |
| 6) | Bromomethan | 0.27 | ND | 0.9688 |
| 7) | Chloroethane | | ND | 1.3165 |
| 8) | Trichlorofluoromethane (11) | | ND | 1.4018 |
| 9) | 1,1-Dichloroethene | 0.00 | 1.1164 | 0.9893 |
| 10) | Carbon Disulfide | | ND | 3.8850 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | 5.8845 | 1.9120 |
| 12) | Acetone | 0.01 | ND | 2.9638 |
| 13) | Methylene Chloride | -0.02 | ND | 0.8668 |
| 14) | t-1,2-Dichloroethene | | ND | 0.9893 |
| 15) | 1,1-Dichloroethane | -0.04 | ND | 1.0098 |
| 16) | Vinyl Acetate | -0.41 | ND | 4.3925 |
| 17) | c-1,2-Dichloroethene | 0.00 | ND | 0.9893 |
| 18) | 2-Butanone | | ND | 3.6788 |
| 19) | Chloroform | -0.01 | ND | 1.2183 |
| 20) | 1,1,1-Trichloroethane | | ND | 1.3613 |
| 21) | Carbon Tetrachloride | 0.01 | 2.9462 | 1.5695 |
| 23) | Benzene | 0.06 | ND | 0.7970 |
| 25) | 1,2-Dichloroethane | | ND | 1.0098 |
| 26) | Trichloroethene | -0.01 | 137.5403 | 1.3408 |
| 27) | 1,2-Dichloropropane | -0.37 | ND | 1.1530 |
| 28) | Bromodichloromethane | | ND | 1.6718 |
| 29) | c-1,3-Dichloropropene | | ND | 1.1323 |
| 30) | 4-Methyl-2-Pentanone | -0.03 | ND | 5.1100 |
| 32) | Toluene | | ND | ~~0.9403~~ 2.38 |
| 34) | t-1,3-Dichloropropene | | ND | 1.1323 |
| 35) | 1,1,2-Trichloroethane | 0.04 | ND | 1.3613 |
| 36) | Tetrachloroethene | -0.02 | 3.2905 | 1.6923 |
| 37) | 2-Hexanone | | ND | 15.3300 |
| 38) | Dibromochloromethane | | ND | 2.1255 |
| 39) | 1,2-Dibromoethane | | ND | 1.9170 |
| 40) | Chlorobenzene | | ND | 1.1485 |
| 41) | Ethylbenzene | -0.42 | ND | 1.0833 |
| 42) | p,&m-Xylene | | ND | 1.0833 |
| 43) | o-Xylene | | ND | 1.0833 |
| 44) | Styrene | | ND | 1.0628 |
| 45) | Bromoform | | ND | 2.5790 |



JUN 16'99 15:51 FR 714 258 0921 TO IT GROUP IRVINE P.13

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWWQD-102 OHM M9F150209-3 | Data Analyzed: | 15 Jun 99 7:35 pm |
| Misc. Info: | 500ML 18708-1179 TEDLAR | Method: | MSA0615 |
| Data Name: | A3063.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSA~1\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.05 | ND | 0.0099 |
| 3) | Chloromethan | -0.03 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | | ND | 0.0078 |
| 7) | Chloroethane | -0.03 | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.01 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.00 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.09 | ND | 0.0153 |
| 12) | Acetone | 0.02 | 0.0290 | 0.0237 |
| 13) | Methylene Chloride | 0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.39 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.02 | ND | 0.0294 |
| 19) | Chloroform | 0.18 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.00 | ND | 0.0126 |
| 23) | Benzene | 0.02 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.01 | 0.3862 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.09 | ND | 0.0409 |
| 32) | Toluene | -0.06 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | 0.29 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.06 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.07 | 0.0193 | 0.0135 |
| 37) | 2-Hexanone | 0.06 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | -0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0087 |
| 43) | o-Xylene | 0.10 | ND | 0.0087 |
| 44) | Styrene | 0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 15:52 FR 714 258 0921 TO IT GROUP IRVINE P.15

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWQE-102 OHM M9F150209-4 | **Data Analyzed:** | 15 Jun 99 9:14 pm |
| **Misc. Info:** | 500ML 18708-1180 TEDLAR | **Method:** | MSA0615 |
| **Data Name:** | A3066.D | **Shift Call.File:** | CC06151.D |
| **Data Path:** | D:\GCMSA~1\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.05 | ND | 0.0099 |
| 3) | Chloromethan | -0.01 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | 0.27 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.03 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.30 | ND | 0.0079 |
| 10) | Carbon Disulfide | 0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.03 | ND | 0.0153 |
| 12) | Acetone | 0.02 | 0.0277 | 0.0237 |
| 13) | Methylene Chloride | -0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.13 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | -0.00 | ND | 0.0294 |
| 19) | Chloroform | 0.00 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.03 | ND | 0.0126 |
| 23) | Benzene | -0.00 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.01 | 0.0663 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.12 | ND | 0.0409 |
| 32) | Toluene | -0.08 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.36 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.02 | ND | 0.0135 |
| 37) | 2-Hexanone | 0.27 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | | ND | 0.0092 |
| 41) | Ethylbenzene | 0.28 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0087 |
| 43) | o-Xylene | 0.06 | ND | 0.0087 |
| 44) | Styrene | 0.08 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 15:52 FR 714 258 0921 TO IT GROUP IRVINE P.17

**OHM Remediation Services Corp**
Subsidiary of OHM Corporation
U.S. Route 224 East * Findlay, Ohio 45840 * (419) 423-3526

# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY
217045

SVE147 4HR

FORM 5049 REV 2-93

| | | | | | |
|---|---|---|---|---|---|
| LAB COORDINATOR: L. OIENKOWSKI | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY ADDRESS: | LABORATORY CONTACT: QUANTERRA | MAIL REPORT (COMPANY NAME): IT GROUP |
| PROJECT NAME: EL TORO | PROJECT LOCATION: EL TORO SVE147 | PROJECT NUMBER: 18708 | LABORATORY PHONE: 909-590-1828 | LABORATORY FAX: | PROJECT MANAGER: DARRYL ISHIDA |
| PROJECT COMMAND: L. OIENKOWSKI | PROJECT PHONE NUMBER: 949-451-1661 | PROJECT FAX: — | LABORATORY ADDRESS: 1721 GRAND | | ADDRESS: 3347 MICHELSON STE 200 |
| PROJECT AGENCY: — | CITY, STATE AND ZIP CODE: — | CLIENT: CWDIV | CITY, STATE AND ZIP CODE: SANTA ANA, CA. 92705 | | CITY, STATE AND ZIP CODE: IRVINE, CA. |
| PROJECT MANAGER: D. SEDLAK | PROJECT MANAGER'S PHONE: 949-261-6941 | PROJECT MANAGER'S FAX: — | | | |

SVE147 4HR

| Item | Sample Identifier | Matrix | Date | Time | Preserved | # of Cont. | QC Level | TAT | Analyses TO-14 | Contaminant-Free | | | | | | Comments | Sample Point Location | G | C | F | QC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18708-1168 | AIR | 6-14 | 1600 | — | 2 | III | 5DA | X | | | | | | | ANALYZE AT LONG FIRST | 1. SVE147 AMO | X | | | X |
| 2 | 18708-1169 | AIR | 6-14 | 1605 | — | 3 | III | 5DA | X | | | | | | | | 2. SVE147 INF | X | | | |
| 3 | 18708-1170 | AIR | 6-14 | 1610 | — | 2 | III | 5DA | X | | | | | | | | 3. SVE147 [illegible] | X | | | X |
| 4 | 18708-1171 | AIR | 6-14 | 1615 | — | 2 | III | 24HR | X | | | | | | | | 4. SVE147 MID | X | | | |
| 5 | 18708-1172 | AIR | 6-14 | 1620 | — | 2 | III | 24HR | | | X | | | | | ANALYZE IF 18708-1171 IS DETECTED | 5. SVE147 EFF | X | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

SAMPLED BY: C. PARRIS
SIGNATURE: [signature]

CARRIER AND AIRBILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

| RECEIVED BY | DATE | TIME | SAMPLE RECEIVED TEMPERATURE SUBMITTED |
|---|---|---|---|
| | 6-14-99 | | |

COMMENTS:

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

| | | | |
|---|---|---|---|
| Sample Name: | CWWP4-002 OHM M9F150207-1 | Date Analyzed: | 06/15/99 18:16 |
| Misc. Info: | 500 ml 18708-1168 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2002.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.09 | ND | 2.00 |
| 48) Benzyl Chloride | -0.02 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.01 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.01 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.29 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.08 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.43 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | -0.05 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |

MTBE ND 10

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 263276 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1147978 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 522492 | OK | 13.99 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.14 | 102.3 |
| Toluene-d8 | 50 | 41.17 | 82.3 |
| 4-Bromofluorobenzene | 50 | 49.87 | 99.7 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review: 10 061699



JUN 16/99 11:28 HR 714 258 0921 TO 19494755433 P.04

| | | | |
|---|---|---|---|
| Sample Name: | CWWP4-002 OHM M9F150207-1 | Data Analyzed: | 06/15/99 18:16 |
| Misc. Info: | 500 ml 18708-1168 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2002.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | -0.09 | ND | 2.00 |
| 48) Benzyl Chloride | -0.02 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.01 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.01 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.29 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.08 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.43 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | -0.05 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |

MTBE ND 10

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 263276 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063287 | 1147978 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 522492 | OK | 13.99 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.14 | 102.3 |
| Toluene-d8 | 50 | 41.17 | 82.3 |
| 4-Bromofluorobenzene | 50 | 49.87 | 99.7 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review: 06/16/99



JUN 16'99 17:28 FR 714 258 0921 TO 19494755433 P.04

| | | | |
|---|---|---|---|
| Sample Name: | CWWP8-001 OHM M9F150207-2 | Data Analyzed: | 06/15/99 19:34 |
| Misc. Info: | 500 ml 18708-1169 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2003.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.06 | ND | 2.00 |
| 48) Benzyl Chloride | -0.01 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.04 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.07 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.35 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.14 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.33 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.11 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |
| MTBE | | ND | 10 |

| LS. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 263730 | OK | 7.01 | 7.12 | OK |
| 1,4-Difluorobenzene | 1063297 | 1124893 | OK | 8.65 | 8.75 | OK |
| Chlorobenzene-d5 | 583827 | 596772 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.93 | 101.9 |
| Toluene-d8 | 50 | 42.89 | 85.8 |
| 4-Bromofluorobenzene | 50 | 49.65 | 99.3 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review: 110 061699



JUN 16'99 17:29 FR 714 258 0921 TO 19494755433 P.06

| | | | |
|---|---|---|---|
| Sample Name: | CWWP8-001 OHM M9F150207-2 | Data Analyzed: | 06/15/99 19:34 |
| Misc. Info: | 500 ml 18708-1169 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2003.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.06 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.01 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.04 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.07 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.35 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.14 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.33 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.11 | ND | 20.00 |
| 56) | Hexachlorobutadiene | | ND | 4.00 |
| | MTBE | | ND | 10 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 263730 | OK | 7.01 | 7.12 | OK |
| 1,4-Difluorobenzene | 1063297 | 1124893 | OK | 8.65 | 8.75 | OK |
| Chlorobenzene-d5 | 583827 | 596772 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.93 | 101.9 |
| Toluene-d8 | 50 | 42.89 | 85.8 |
| 4-Bromofluorobenzene | 50 | 49.65 | 99.3 |

Comments:

Foot Notes:

1st Review: 6/16'99 2nd Review: 110 061699



JUN 16'99 17:29 FR 714 258 0921 TO 19494755433 P.06

| | | | |
|---|---|---|---|
| Sample Name: | CWWP9-001 OHM M9F150207-3 | Data Analyzed: | 06/15/99 17:39 |
| Misc. Info: | 500 ml 18708-1170 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2001.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.03 | ND | 2.00 |
| 48) | Benzyl Chloride | 0.01 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.02 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | 0.02 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.29 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.08 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.36 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.04 | ND | 20.00 |
| 56) | Hexachlorobutadiene | | ND | 4.00 |
| | MTBE | | ND | 10 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 271083 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1117463 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 522844 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.03 | 104.1 |
| Toluene-d8 | 50 | 36.50 | 73.0 |
| 4-Bromofluorobenzene | 50 | 51.12 | 102.2 |

Comments:

Foot Notes:

1st Review: 6/16/99

2nd Review: 110061699



JUN 16,99 17:29 FR 714 258 0921 TO 19494755433 P.08

| | | | |
|---|---|---|---|
| Sample Name: | CWWP9-001 OHM M9F150207-3 | Data Analyzed: | 06/15/99 17:39 |
| Misc. Info: | 500 ml 18708-1170 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2001.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.03 | ND | 2.00 |
| 48) Benzyl Chloride | 0.01 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.02 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | 0.02 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | 0.07 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.29 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.08 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.36 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.04 | ND | 20.00 |
| 56) Hexachlorobutadiene | | ND | 4.00 |
| MTBE | | ND | 10 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 271083 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1117463 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583627 | 522844 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.03 | 104.1 |
| Toluene-d8 | 50 | 36.50 | 73.0 |
| 4-Bromofluorobenzene | 50 | 51.12 | 102.2 |

Comments:

Foot Notes:

1st Review: 6/16/99

2nd Review: 06/16/99



JUN 16'99 17:29 FR 714 258 0921 TO 19494755433 P.08

| | | | |
|---|---|---|---|
| Sample Name: | CWWPA102 OHM M9F150207-04 | Data Analyzed: | 06/16/99 10:48 |
| Misc. Info: | 500 ml 18708-1171 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2007.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.16 | ND | 2.00 |
| 48) | Benzyl Chloride | -0.03 | ND | 10.00 |
| 49) | 4-Ethyl Toluene | 0.09 | ND | 2.00 |
| 50) | 1,3,5-Trimethylbenzene | -0.08 | ND | 2.00 |
| 51) | 1,2,4-Trimethylbenzene | 0.16 | ND | 2.00 |
| 52) | 1,3-Dichlorobenzene | 0.40 | ND | 2.00 |
| 53) | 1,4-Dichlorobenzene | 0.20 | ND | 2.00 |
| 54) | 1,2-Dichlorobenzene | -0.30 | ND | 2.00 |
| 55) | 1,2,4-Trichlorobenzene | 0.03 | ND | 20.00 |
| 56) | Hexachlorobutadiene | 0.26 | ND | 4.00 |

MTBE ND 10

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 234756 | OK | 7.11 | 7.06 | OK |
| 1,4-Difluorobenzene | 1134159 | 906760 | OK | 8.76 | 8.69 | OK |
| Chlorobenzene-d5 | 643492 | 634319 | OK ✓ | 14.07 | 13.88 | OK ✓ |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.74 | 103.5 ✓ |
| Toluene-d8 | 50 | 52.93 | 105.9 |
| 4-Bromofluorobenzene | 50 | 50.72 | 101.4 |

Comments:

Foot Notes:

1st Review: 6/16 99 2nd Review: 110 061699



JUN 16 99 11:00 FR 714 258 0921 TO 19494755433 P.10

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| Sample Name: | CWWPC102 OHM M9F150207-05 | Data Analyzed: | 16 Jun 99 11:21 |
| Misc. Info: | 500 ml 18708-1172 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2008.D | Shift Cali.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (12) | -0.08 | ND | 2.00 |
| 3) | Chloromethane | -0.05 | ND | 4.00 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 2.00 |
| 5) | Vinyl Chloride | | ND | 2.00 |
| 6) | Bromomethane | 0.05 | ND | 2.00 |
| 7) | Chloroethane | | ND | 4.00 |
| 8) | Trichlorofluoromethane (11) | -0.06 | ND | 2.00 |
| 9) | 1,1-Dichloroethene | -0.29 | ND | 2.00 |
| 10) | Carbon Disulfide | -0.02 | ND | 10.00 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 2.00 |
| 12) | Acetone | -0.00 | 13.28 | 10.00 |
| 13) | Methylene Chloride | -0.01 | ND | 2.00 |
| 14) | t-1,2-Dichloroethene | 0.37 | ND | 2.00 |
| 15) | 1,1-Dichloroethane | -0.16 | ND | 2.00 |
| 16) | Vinyl Acetate | -0.32 | ~~ND 13.30~~ HS, RT | 10.00 |
| 17) | c-1,2-Dichloroethene | | ND | 2.00 |
| 18) | 2-Butanone | 0.06 | ND | 10.00 |
| 19) | Chloroform | 0.01 | ND | 2.00 |
| 20) | 1,1,1-Trichloroethane | -0.07 | ND | 2.00 |
| 21) | Carbon Tetrachloride | -0.00 | ND | 2.00 |
| 23) | Benzene | 0.33 | ND | 2.00 |
| 25) | 1,2-Dichloroethane | | ND | 2.00 |
| 26) | Trichloroethene | 0.01 | ND | 2.00 |
| 27) | 1,2-Dichloropropane | | ND | 2.00 |
| 28) | Bromodichloromethane | | ND | 2.00 |
| 29) | c-1,3-Dichloropropene | 0.46 | ND | 2.00 |
| 30) | 4-Methyl-2-Pentanone | 0.57 | ND | 10.00 |
| 32) | Toluene | -0.06 | ND | ~~2.00~~ 5.0 |
| 34) | t-1,3-Dichloropropene | | ND | 2.00 |
| 35) | 1,1,2-Trichloroethane | | ND | 2.00 |
| 36) | Tetrachloroethene | 0.01 | ND | 2.00 |
| 37) | 2-Hexanone | 0.14 | ND | 30.00 |
| 38) | Dibromochloromethane | | ND | 2.00 |
| 39) | 1,2-Dibromoethane | | ND | 2.00 |
| 40) | Chlorobenzene | -0.06 | ND | 2.00 |
| 41) | Ethylbenzene | -0.01 | ND | 2.00 |
| 42) | p,&m-Xylene | 0.04 | ND | 2.00 |
| 43) | o-Xylene | 0.06 | ND | 2.00 |
| 44) | Styrene | 0.02 | ND | 2.00 |
| 45) | Bromoform | | ND | 2.00 |



JUN 16'99 17:30 FR 714 258 0921 TO 19494755433 P.11

| | | | |
|---|---|---|---|
| Sample Name: | CWWPC102 OHM M9F150207-05 | Data Analyzed: | 06/16/99 11:21 |
| Misc. Info: | 500 ml 18708-1172 TEDLAR BAG | Method: | MSB0616 |
| Data Name: | B2008.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| Compound | dRT | Result(ppbv) | RL(ppbv) |
|---|---|---|---|
| 47) 1,1,2,2-Tetrachloroethane | 0.10 | ND | 2.00 |
| 48) Benzyl Chloride | 0.05 | ND | 10.00 |
| 49) 4-Ethyl Toluene | 0.10 | ND | 2.00 |
| 50) 1,3,5-Trimethylbenzene | -0.00 | ND | 2.00 |
| 51) 1,2,4-Trimethylbenzene | -0.03 | ND | 2.00 |
| 52) 1,3-Dichlorobenzene | 0.39 | ND | 2.00 |
| 53) 1,4-Dichlorobenzene | 0.19 | ND | 2.00 |
| 54) 1,2-Dichlorobenzene | -0.30 | ND | 2.00 |
| 55) 1,2,4-Trichlorobenzene | 0.18 | ND | 20.00 |
| 56) Hexachlorobutadiene | 0.28 | ND | 4.00 |
| MTBE | | ND | 10 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 191923 | OK | 7.11 | 7.06 | OK |
| 1,4-Difluorobenzene | 1134159 | 1181616 | OK | 8.76 | 8.69 | OK |
| Chlorobenzene-d5 | 643492 | 592817 | OK | 14.07 | 13.89 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 31.84 | 63.7 |
| Toluene-d8 | 50 | 39.49 | 79.0 |
| 4-Bromofluorobenzene | 50 | 49.60 | 99.2 |

Comments:

Foot Notes:

1st Review: 6/16'99

2nd Review: 10061699



JUN 16'99 17:30 FR 714 258 0921 TO 19494755433 P.12

## Quanterra Air Toxics Lab

102 6/16'99

**Sample Name:** CWWP4-~~002~~ OHM M9F150207-1 **Data Analyzed:** 15 Jun 99 18:16
**Misc. Info:** 500 ml 18708-1168 TEDLAR BAG **Method:** MSB0615
**Data Name:** B2002.D **Shift Call.File:** CC06151.D
**Data Path:** D:\GCMSB\990614\ **Dilution Factor:** 1

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.14 | ND | 0.0099 |
| 3) | Chloromethan | -0.06 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.02 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.32 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | 0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.23 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.00 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.02 | ND | 0.0153 |
| 12) | Acetone | 0.03 | 0.0304 ✓ | 0.0237 |
| 13) | Methylene Chloride | -0.03 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | 0.13 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.11 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.32 | ND ~~0.0470~~ HSAT | 0.0351 |
| 17) | c-1,2-Dichloroethene | 0.27 | ND | 0.0079 |
| 18) | 2-Butanone | -0.15 | ND | 0.0294 |
| 19) | Chloroform | -0.03 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.01 | ND | 0.0126 |
| 23) | Benzene | 0.01 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | -0.04 | ND | 0.0081 |
| 26) | Trichloroethene | 0.01 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.06 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | 0.38 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.07 | ND | 0.0409 |
| 32) | Toluene | -0.09 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | 0.06 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | -0.10 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.01 | ND | 0.0135 |
| 37) | 2-Hexanone | 0.21 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | -0.11 | ND | 0.0092 |
| 41) | Ethylbenzene | 0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.01 | ND | 0.0087 |
| 43) | o-Xylene | 0.01 | ND | 0.0087 |
| 44) | Styrene | 0.01 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 17:31 FR 714 258 0921 TO 19494755433 P.13

| | | | |
|---|---|---|---|
| Sample Name: | CWWP4-002 OHM M9F150207-1 | Data Analyzed: | 06/15/99 18:16 |
| Misc. Info: | 500 ml 18708-1168 TEDLAR B | Method: | MSB0615 |
| Data Name: | B2002.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | -0.09 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.02 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.01 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.01 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.29 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.08 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.43 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | -0.05 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 283276 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1147978 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 522492 | OK | 13.99 | 13.94 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.14 | 102.3 |
| Toluene-d8 | 50 | 41.17 | 82.3 |
| 4-Bromofluorobenzene | 50 | 49.87 | 99.7 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review 110 061699



JUN 16'99 17:31 FR 714 258 0921 TO 19494755433 P.14

## Quanterra Air Toxics Lab

102 L 6/16 '99

**Sample Name:** CWWP8-~~901~~ OHM M9F150207-2 **Data Analyzed:** 15 Jun 99 19:34
**Misc. Info:** 500 ml 18708-1169 TEDLAR BAG **Method:** MSB0615
**Data Name:** B2003.D **Shift Call.File:** CC06151.D
**Data Path:** D:\GCMSB\990614\ **Dilution Factor:** 1

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.08 | ND | 0.0099 |
| 3) | Chloromethan | 0.22 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | -0.01 | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | -0.10 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | 0.01 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | 0.04 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.01 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.00 | ND | 0.0153 |
| 12) | Acetone | 0.02 | 0.0482 ✓ | 0.0237 |
| 13) | Methylene Chloride | -0.01 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | 0.40 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.11 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.34 | ND ~~0.0424~~ MS RT | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | -0.12 | ND | 0.0294 |
| 19) | Chloroform | -0.06 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | -0.03 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | -0.02 | ND | 0.0126 |
| 23) | Benzene | -0.13 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.02 | 0.0324 ✓ | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | -0.13 | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | 0.06 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.52 | ND | 0.0409 |
| 32) | Toluene | -0.12 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | -0.30 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.03 | ND | 0.0135 |
| 37) | 2-Hexanone | -0.14 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | -0.23 | ND | 0.0153 |
| 40) | Chlorobenzene | -0.14 | ND | 0.0092 |
| 41) | Ethylbenzene | -0.02 | ND | 0.0087 |
| 42) | p,&m-Xylene | -0.02 | ND | 0.0087 |
| 43) | o-Xylene | 0.05 | ND | 0.0087 |
| 44) | Styrene | 0.04 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 17:31 FR 714 258 0921 TO 19494755433 P.15

| | | | |
|---|---|---|---|
| Sample Name: | CWWP8-001 OHM M9F150207-2 | Data Analyzed: | 06/15/99 19:34 |
| Misc. Info: | 500 ml 18708-1169 TEDLAR B | Method: | MSB0615 |
| Data Name: | B2003.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.06 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.01 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.04 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.07 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.35 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.14 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.33 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.11 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 263730 | OK | 7.01 | 7.12 | OK |
| 1,4-Difluorobenzene | 1063297 | 1124893 | OK | 8.65 | 8.75 | OK |
| Chlorobenzene-d5 | 583827 | 596772 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 50.93 | 101.9 |
| Toluene-d8 | 50 | 42.89 | 85.8 |
| 4-Bromofluorobenzene | 50 | 49.65 | 99.3 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review MO 061699



714 258 0921 TO 19494755433 P.16

## Quanterra Air Toxics Lab

6/16 '99

| | | | |
|---|---|---|---|
| Sample Name: | CWWP9-~~001~~ 102 OHM M9F150207-3 | Data Analyzed: | 15 Jun 99 17:39 |
| Misc. Info: | 500 ml 18708-1170 TEDLAR BAG | Method: | MSB0615 |
| Data Name: | B2001.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.04 | ND | 0.0099 |
| 3) | Chloromethan | -0.04 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | 0.17 | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | -0.00 | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.27 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.00 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | 0.03 | ND | 0.0153 |
| 12) | Acetone | 0.02 | 0.0257 | 0.0237 |
| 13) | Methylene Chloride | -0.00 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | -0.27 | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.08 | ND | 0.0081 |
| 16) | Vinyl Acetate | 0.11 | ND | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | -0.18 | ND | 0.0294 |
| 19) | Chloroform | -0.11 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | -0.08 | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.04 | ND | 0.0126 |
| 23) | Benzene | -0.05 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 |
| 26) | Trichloroethene | -0.01 | ~~0.0109~~ 0.0109 | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | 0.13 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.09 | ND | 0.0409 |
| 32) | Toluene | -0.10 | ND | ~~0.0075~~ 0.0188 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.28 | ND | 0.0109 |
| 36) | Tetrachloroethene | 0.03 | ND | 0.0135 |
| 37) | 2-Hexanone | 0.03 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | -0.18 | ND | 0.0092 |
| 41) | Ethylbenzene | 0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.02 | ND | 0.0087 |
| 43) | o-Xylene | 0.02 | ND | 0.0087 |
| 44) | Styrene | 0.01 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 17:32 FR 714 258 0921 TO 19494755433 P.17

| | | | |
|---|---|---|---|
| Sample Name: | CWWP9-001 OHM M9F150207-3 | Data Analyzed: | 06/15/99 17:39 |
| Misc. Info: | 500 ml 18708-1170 TEDLAR B | Method: | MSB0615 |
| Data Name: | B2001.D | Shift Call.File: | CC06151.D |
| Data Path: | D:\GCMSB\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.03 | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.01 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.02 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | 0.02 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.07 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.29 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.08 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.36 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.04 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 233713 | 271063 | OK | 7.01 | 7.10 | OK |
| 1,4-Difluorobenzene | 1063297 | 1117463 | OK | 8.65 | 8.74 | OK |
| Chlorobenzene-d5 | 583827 | 522844 | OK | 13.99 | 13.91 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 52.03 | 104.1 |
| Toluene-d8 | 50 | 36.50 | 73.0 |
| 4-Bromofluorobenzene | 50 | 51.12 | 102.2 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review 10 061699



JUN 16'99 17:32 FR 714 258 0921 TO 19494755433 P.18

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPA102 OHM M9F150207-04 | **Data Analyzed:** | 16 Jun 99 10:48 |
| **Misc. Info:** | 500 ml 18708-1171 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | B2007.D | **Shift Cal.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.10 | ND | 0.0099 |
| 3) | Chloromethan | -0.08 | ND | 0.0082 |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 |
| 5) | Vinyl Chloride | | ND | 0.0051 |
| 6) | Bromomethan | | ND | 0.0078 |
| 7) | Chloroethane | | ND | 0.0105 |
| 8) | Trichlorofluoromethane (11) | | ND | 0.0112 |
| 9) | 1,1-Dichloroethene | -0.31 | ND | 0.0079 |
| 10) | Carbon Disulfide | -0.05 | ND | 0.0311 |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | | ND | 0.0153 |
| 12) | Acetone | -0.03 | 0.0263 ✓ | 0.0237 |
| 13) | Methylene Chloride | -0.03 | ND | 0.0069 |
| 14) | t-1,2-Dichloroethene | | ND | 0.0079 |
| 15) | 1,1-Dichloroethane | -0.15 | ND | 0.0081 |
| 16) | Vinyl Acetate | -0.33 | ND ~~0.0600~~ MS, RT | 0.0351 |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 |
| 18) | 2-Butanone | 0.02 | ND | 0.0294 |
| 19) | Chloroform | 0.18 | ND | 0.0097 |
| 20) | 1,1,1-Trichloroethane | | ND | 0.0109 |
| 21) | Carbon Tetrachloride | 0.04 | ND | 0.0126 |
| 23) | Benzene | 0.01 | ND | 0.0064 |
| 25) | 1,2-Dichloroethane | 0.55 | ND ~~0.0090~~ MS, RT | 0.0081 |
| 26) | Trichloroethene | 0.04 | ND | 0.0107 |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 |
| 28) | Bromodichloromethane | | ND | 0.0134 |
| 29) | c-1,3-Dichloropropene | 0.27 | ND | 0.0091 |
| 30) | 4-Methyl-2-Pentanone | -0.02 | ND | 0.0409 |
| 32) | Toluene | -0.03 | ND | ~~0.0075~~ 0.0198 |
| 34) | t-1,3-Dichloropropene | -0.18 | ND | 0.0091 |
| 35) | 1,1,2-Trichloroethane | 0.47 | ND | 0.0109 |
| 36) | Tetrachloroethene | -0.01 | ND | 0.0135 |
| 37) | 2-Hexanone | -0.36 | ND | 0.1226 |
| 38) | Dibromochloromethane | | ND | 0.0170 |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 |
| 40) | Chlorobenzene | -0.11 | ND | 0.0092 |
| 41) | Ethylbenzene | 0.01 | ND | 0.0087 |
| 42) | p,&m-Xylene | 0.03 | ND | 0.0087 |
| 43) | o-Xylene | -0.01 | ND | 0.0087 |
| 44) | Styrene | 0.02 | ND | 0.0085 |
| 45) | Bromoform | | ND | 0.0206 |



JUN 16'99 17:32 FR 714 258 0921 TO 19494755433 P.19

| | | | |
|---|---|---|---|
| Sample Name: | CWWPA102 OHM M9F150207-04 | Data Analyzed: | 06/16/99 10:48 |
| Misc. Info: | 500 ml 18708-1171 TEDLAR BA | Method: | MSB0616 |
| Data Name: | B2007.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.16 | ND | 0.0137 |
| 48) | Benzyl Chloride | -0.03 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.09 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | -0.08 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | 0.16 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.40 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.20 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.30 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.03 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | 0.26 | ND | 0.0426 |

MTBE ND 0.136

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 234756 | OK | 7.11 | 7.06 | OK |
| 1,4-Difluorobenzene | 1134159 | 906760 | OK | 8.76 | 8.69 | OK |
| Chlorobenzene-d5 | 643492 | 634319 | OK | 14.07 | 13.88 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 51.74 | 103.5 |
| Toluene-d8 | 50 | 52.93 | 105.9 |
| 4-Bromofluorobenzene | 50 | 50.72 | 101.4 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review RO 061699



JUN 16'99 17:33 FR 714 258 0921 TO 19494755433 P.20

## Quanterra Air Toxics Lab

| | | | |
|---|---|---|---|
| **Sample Name:** | CWWPC102 OHM M9F150207-05 | **Data Analyzed:** | 16 Jun 99 11:21 |
| **Misc. Info:** | 500 ml 18708-1172 TEDLAR BAG | **Method:** | MSB0616 |
| **Data Name:** | B2008.D | **Shift Cali.File:** | CC06161.D |
| **Data Path:** | d:\gcmsb\990614\ | **Dilution Factor:** | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) | |
|---|---|---|---|---|---|
| 2) | Dichlorodifluoromethane (1 | -0.08 | ND | 0.0099 | |
| 3) | Chloromethan | -0.05 | ND | 0.0082 | |
| 4) | 1,2-Cl-1,1,2,2-F ethane (114) | | ND | 0.0140 | |
| 5) | Vinyl Chloride | | ND | 0.0051 | |
| 6) | Bromomethan | 0.05 | ND | 0.0078 | |
| 7) | Chloroethane | | ND | 0.0105 | |
| 8) | Trichlorofluoromethane (11) | -0.06 | ND | 0.0112 | |
| 9) | 1,1-Dichloroethene | -0.29 | ND | 0.0079 | |
| 10) | Carbon Disulfide | -0.02 | ND | 0.0311 | |
| 11) | 1,1,2-Cl 1,2,2-F ethane (113) | -0.01 | ND | 0.0153 | |
| 12) | Acetone | -0.00 | 0.0315 ✓ | 0.0237 | |
| 13) | Methylene Chloride | -0.01 | ND | 0.0069 | |
| 14) | t-1,2-Dichloroethene | 0.37 | ND | 0.0079 | |
| 15) | 1,1-Dichloroethane | -0.16 | ND | 0.0081 | |
| 16) | Vinyl Acetate | -0.32 | ND ~~0.0476~~ HS, RT | 0.0351 | |
| 17) | c-1,2-Dichloroethene | | ND | 0.0079 | |
| 18) | 2-Butanone | 0.06 | ND | 0.0294 | |
| 19) | Chloroform | 0.01 | ND | 0.0097 | |
| 20) | 1,1,1-Trichloroethane | -0.07 | ND | 0.0109 | |
| 21) | Carbon Tetrachloride | -0.00 | ND | 0.0126 | |
| 23) | Benzene | 0.33 | ND | 0.0064 | |
| 25) | 1,2-Dichloroethane | | ND | 0.0081 | |
| 26) | Trichloroethene | 0.01 | ND | 0.0107 | |
| 27) | 1,2-Dichloropropane | | ND | 0.0092 | |
| 28) | Bromodichloromethane | | ND | 0.0134 | |
| 29) | c-1,3-Dichloropropene | 0.46 | ND | 0.0091 | |
| 30) | 4-Methyl-2-Pentanone | 0.57 | ND | 0.0409 | |
| 32) | Toluene | -0.06 | ND | ~~0.0075~~ | 0.0188 |
| 34) | t-1,3-Dichloropropene | | ND | 0.0091 | |
| 35) | 1,1,2-Trichloroethane | | ND | 0.0109 | |
| 36) | Tetrachloroethene | 0.01 | ND | 0.0135 | |
| 37) | 2-Hexanone | 0.14 | ND | 0.1226 | |
| 38) | Dibromochloromethane | | ND | 0.0170 | |
| 39) | 1,2-Dibromoethane | | ND | 0.0153 | |
| 40) | Chlorobenzene | -0.06 | ND | 0.0092 | |
| 41) | Ethylbenzene | -0.01 | ND | 0.0087 | |
| 42) | p,&m-Xylene | 0.04 | ND | 0.0087 | |
| 43) | o-Xylene | 0.06 | ND | 0.0087 | |
| 44) | Styrene | 0.02 | ND | 0.0085 | |
| 45) | Bromoform | | ND | 0.0206 | |



JUN 16'99 17:33 FR 714 258 0921 TO 19494755433 P.21

| | | | |
|---|---|---|---|
| Sample Name: | CWWPC102 OHM M9F150207-05 | Data Analyzed: | 06/16/99 11:21 |
| Misc. Info: | 500 ml 18708-1172 TEDLAR BA | Method: | MSB0616 |
| Data Name: | B2008.D | Shift Call.File: | CC06161.D |
| Data Path: | d:\gcmsb\990614\ | Dilution Factor: | 1 |

| | Compound | dRT | Result(ug/L) | RL(ug/L) |
|---|---|---|---|---|
| 47) | 1,1,2,2-Tetrachloroethane | 0.10 | ND | 0.0137 |
| 48) | Benzyl Chloride | 0.05 | ND | 0.0518 |
| 49) | 4-Ethyl Toluene | 0.10 | ND | 0.0098 |
| 50) | 1,3,5-Trimethylbenzene | -0.00 | ND | 0.0098 |
| 51) | 1,2,4-Trimethylbenzene | -0.03 | ND | 0.0098 |
| 52) | 1,3-Dichlorobenzene | 0.39 | ND | 0.0120 |
| 53) | 1,4-Dichlorobenzene | 0.19 | ND | 0.0120 |
| 54) | 1,2-Dichlorobenzene | -0.30 | ND | 0.0120 |
| 55) | 1,2,4-Trichlorobenzene | 0.18 | ND | 0.1481 |
| 56) | Hexachlorobutadiene | 0.28 | ND | 0.0426 |
| | MTBE | | ND | 0.036 |

| I.S. | Daily Area | Sample Area | Area Criteria | Daily R.T. | Sample R.T. | R.T. Criteria |
|---|---|---|---|---|---|---|
| Bromochloromethane | 261064 | 191923 | OK | 7.11 | 7.06 | OK |
| 1,4-Difluorobenzene | 1134159 | 1181616 | OK | 8.76 | 8.69 | OK |
| Chlorobenzene-d5 | 643492 | 592817 | OK | 14.07 | 13.89 | OK |

| Surrogates | Spiked | Found | %Recovery |
|---|---|---|---|
| 1,2-Dichloroethane | 50 | 31.84 | 63.7 |
| Toluene-d8 | 50 | 39.49 | 79.0 |
| 4-Bromofluorobenzene | 50 | 49.60 | 99.2 |

Comments:

Foot Notes:

1st Review: 6/16/99 2nd Review JD 061699



JUN 16 99 11:33 FR 714 258 0921 TO 19494755433 P.22

# TENTATIVELY IDENTIFIED COMPOUNDS

## SANTA ANA - AIR TOXICS

CLIENT ID: OHM

SAMPLE NO: 18708-1170

ANALYSIS DATE: 061599

DILUTION FACTOR: 1

DATA FILE: B2001

| RETEN. TIME | CAS NO. | COMPOUND | CONC. (ppbv) |
|---|---|---|---|
| 5.19 | — | Branched Alkane, C6 | 38.44 |
| 5.87 | 110543 | Hexane | 31.59 |
| ~~18.08~~ | | ~~n,n-dimethylacetamide~~ | ~~478.~~ LR 6/16/99 |
| 20.07 | — | hydroxy substituted alkane, C8 | 29. |
| 20.46 | — | unknown phenol | 69. |
| 20.98 | — | Oxygen substituted alkane, C10 | 24. |
| 21.61 | — | No Match Found | 17. |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COMMENTS:

REDUCED BY: 110 06/16/99

REVIEWED BY: LR 6/16/99

TIC.XLS

**OHM Remediation Services Corp.**
Subsidiary of OHM Corporation
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

# CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

217044

SWL 147 1 HR

FORM CD19 REV. 3/97

| | | | | | |
|---|---|---|---|---|---|
| OHM LAB COORDINATOR: L. DIRNKONSKI | LAB COORDINATOR'S PHONE: 949-660-7537 | LAB COORDINATOR'S FAX: 949-475-5433 | LABORATORY RECEIVED: | LABORATORY CONTACT: QUANTARA | MAIL REPORT COMPANY NAME: IT GROUP |
| PROJECT NAME: ILLIRO | PROJECT LOCATION: ILLIRO SWL 147 | PROJECT NUMBER: 18708 | ANALYSIS FROM: 909-590-1828 | LABORATORY FAX: | REPORT TO: DONNA ISHIOA |
| PROJECT MANAGER: L. DIRNKONSKI | PROJECT MANAGER PHONE: 949-451-1661 | PROJECT FAX: — | LABORATORY ADDRESS: 1721 GRAND | ADDRESS: 3347 MICHELSON STR. 200 | |
| PROJECT NUMBER: — | CITY, STATE AND ZIP CODE: — | CLIENT: SWDIV | CITY, STATE AND ZIP CODE: SANTA ANA, CA. | CITY, STATE, AND ZIP CODE: IRVINE, CA. | |
| PROJECT MANAGER: B. SADLAK | PHONE: 949-261-6441 | PROJECT MANAGER'S FAX: | | | |

| Sample Identifier | Matrix | Date | Time | Preservative | # of Cont. | QC Level | T.A.T. | Analysis TO-14 | | | | | | | | ANALYZER, TEMPERATURE & RST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18708-1164 | VAPOR | 6-14 | 1305 | - | II | 2 | 24HR | X | | | | | | | | |
| 18708-1165 | VAPOR | 6-14 | 1310 | - | II | 3 | 24HR | X | | | | | | | | |
| 18708-1166 | VAPOR | 6-14 | 1315 | - | II | 2 | 24HR | X | | X | | | | | | |
| 18708-1167 | VAPOR | 6-14 | 1320 | - | II | 2 | 24HR | X | | X | | | | | | ANALYZE IF 18708-1166 IS DETECTED |

SAMPLES COLLECTED BY: C. MARRISH

CHAIN OF CUSTODY REPORTED BY: C. MARRISH

| RELINQUISHED BY | RECEIVED BY | DATE | TIME | SAMPLE CONDITION REMARKS |
|---|---|---|---|---|
| [signature] | [signature] | 6-14-99 | 2:00 | |

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Manager

**Project Information Section**
**For Project Personnel Only**
**Do Not Submit to Laboratory**

SWL 147
1 HR

| Sample Point Location | Sample Type G | C | P | QC |
|---|---|---|---|---|
| 1. SWL 147 AMB | X | | | X |
| 2. SWL 147 BINF | X | | | |
| 3. SWL 147 MID | X | | | |
| 4. SWL 147 EFF | X | | | |

COMMENTS:

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

**IT CORPORATION**

**Client Sample ID: 18708-1164**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-001 **Work Order #...:** CWVJX102 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:05 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166396 **Analysis Time..:** 19:21
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| **Acetone** | **16** | **10** | **ppb(v/v)** |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1164**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-001 **Work Order #...:** CWVJX102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1165**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-002 **Work Order #...:** CWVK3102 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:10 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166396 **Analysis Time..:** 17:44
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | 16 | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1165**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-002 **Work Order #...:** CWVK3102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1166**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-003 **Work Order #...:** CWVK5102 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:15 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166396 **Analysis Time..:** 18:20
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | 13 | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1166**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-003 **Work Order #...:** CWVK5102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1167**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-004 **Work Order #...:** CWVK6102 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:20 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166396 **Analysis Time..:** 18:54
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 2.0 | ppb(v/v) |
| Chloromethane | ND | 4.0 | ppb(v/v) |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 2.0 | ppb(v/v) |
| Vinyl chloride | ND | 2.0 | ppb(v/v) |
| Bromomethane | ND | 2.0 | ppb(v/v) |
| Chloroethane | ND | 4.0 | ppb(v/v) |
| Trichlorofluoromethane | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethene | ND | 2.0 | ppb(v/v) |
| Carbon disulfide | ND | 10 | ppb(v/v) |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 2.0 | ppb(v/v) |
| Acetone | 10 | 10 | ppb(v/v) |
| Methylene chloride | ND | 2.0 | ppb(v/v) |
| trans-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 1,1-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Vinyl acetate | ND | 10 | ppb(v/v) |
| cis-1,2-Dichloroethene | ND | 2.0 | ppb(v/v) |
| 2-Butanone (MEK) | ND | 10 | ppb(v/v) |
| Chloroform | ND | 2.0 | ppb(v/v) |
| 1,1,1-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Carbon tetrachloride | ND | 2.0 | ppb(v/v) |
| Benzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloroethane | ND | 2.0 | ppb(v/v) |
| Trichloroethene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichloropropane | ND | 2.0 | ppb(v/v) |
| Bromodichloromethane | ND | 2.0 | ppb(v/v) |
| cis-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 4-Methyl-2-pentanone (MIBK) | ND | 10 | ppb(v/v) |
| Toluene | ND | 5.0 | ppb(v/v) |
| trans-1,3-Dichloropropene | ND | 2.0 | ppb(v/v) |
| 1,1,2-Trichloroethane | ND | 2.0 | ppb(v/v) |
| Tetrachloroethene | ND | 2.0 | ppb(v/v) |
| 2-Hexanone | ND | 30 | ppb(v/v) |
| Dibromochloromethane | ND | 2.0 | ppb(v/v) |
| 1,2-Dibromoethane (EDB) | ND | 2.0 | ppb(v/v) |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1167**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-004 **Work Order #...:** CWVK6102 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 2.0 | ppb(v/v) |
| Ethylbenzene | ND | 2.0 | ppb(v/v) |
| Xylenes (total) | ND | 2.0 | ppb(v/v) |
| Styrene | ND | 2.0 | ppb(v/v) |
| Bromoform | ND | 2.0 | ppb(v/v) |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | ppb(v/v) |
| Benzyl chloride | ND | 10 | ppb(v/v) |
| 4-Ethyltoluene | ND | 2.0 | ppb(v/v) |
| 1,3,5-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trimethylbenzene | ND | 2.0 | ppb(v/v) |
| 1,3-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,4-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2-Dichlorobenzene | ND | 2.0 | ppb(v/v) |
| 1,2,4-Trichlorobenzene | ND | 20 | ppb(v/v) |
| Hexachlorobutadiene | ND | 4.0 | ppb(v/v) |
| Methyl tert-butyl ether (MTBE) | ND | 10 | ppb(v/v) |

**IT CORPORATION**

**Client Sample ID: 18708-1164**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-001 **Work Order #...:** CWVJX101 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:05 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166400 **Analysis Time..:** 19:21
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| **Acetone** | **0.039** | **0.024** | **ug/L** |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1164**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-001 **Work Order #...:** CWVJX101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1165**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-002 **Work Order #...:** CWVK3101 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:10 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166400 **Analysis Time..:** 17:44
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| **Acetone** | **0.037** | **0.024** | **ug/L** |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1165**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-002 **Work Order #...:** CWVK3101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

A
M

**IT CORPORATION**

**Client Sample ID: 18708-1166**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-003 **Work Order #...:** CWVK5101 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:15 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166400 **Analysis Time..:** 18:20
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| :etone | 0.031 | 0.024 | ug/L |
| ethylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1166**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-003 **Work Order #...:** CWVK5101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |

**IT CORPORATION**

**Client Sample ID: 18708-1167**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-004 **Work Order #...:** CWVK6101 **Matrix.....:** AIR
**Date Sampled...:** 06/14/99 13:20 **Date Received..:** 06/14/99
**Prep Date.....:** 06/14/99 **Analysis Date..:** 06/14/99
**Prep Batch #...:** 9166400 **Analysis Time..:** 18:54
**Dilution Factor:** 1
**Analyst ID.....:** 015590 **Instrument ID..:** MSB
**Method.....:** EPA-19 TO-14

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Dichlorodifluoromethane | ND | 0.0099 | ug/L |
| Chloromethane | ND | 0.0082 | ug/L |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ND | 0.014 | ug/L |
| Vinyl chloride | ND | 0.0051 | ug/L |
| Bromomethane | ND | 0.0078 | ug/L |
| Chloroethane | ND | 0.011 | ug/L |
| Trichlorofluoromethane | ND | 0.011 | ug/L |
| 1,1-Dichloroethene | ND | 0.0079 | ug/L |
| Carbon disulfide | ND | 0.031 | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 0.015 | ug/L |
| **etone** | **0.024** | **0.024** | **ug/L** |
| Methylene chloride | ND | 0.0069 | ug/L |
| trans-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 1,1-Dichloroethane | ND | 0.0081 | ug/L |
| Vinyl acetate | ND | 0.035 | ug/L |
| cis-1,2-Dichloroethene | ND | 0.0079 | ug/L |
| 2-Butanone (MEK) | ND | 0.029 | ug/L |
| Chloroform | ND | 0.0097 | ug/L |
| 1,1,1-Trichloroethane | ND | 0.011 | ug/L |
| Carbon tetrachloride | ND | 0.013 | ug/L |
| Benzene | ND | 0.0064 | ug/L |
| 1,2-Dichloroethane | ND | 0.0081 | ug/L |
| Trichloroethene | ND | 0.011 | ug/L |
| 1,2-Dichloropropane | ND | 0.0092 | ug/L |
| Bromodichloromethane | ND | 0.013 | ug/L |
| cis-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 4-Methyl-2-pentanone (MIBK) | ND | 0.041 | ug/L |
| Toluene | ND | 0.019 | ug/L |
| trans-1,3-Dichloropropene | ND | 0.0091 | ug/L |
| 1,1,2-Trichloroethane | ND | 0.011 | ug/L |
| Tetrachloroethene | ND | 0.014 | ug/L |
| 2-Hexanone | ND | 0.12 | ug/L |
| Dibromochloromethane | ND | 0.017 | ug/L |
| 1,2-Dibromoethane (EDB) | ND | 0.015 | ug/L |

(Continued on next page)

**IT CORPORATION**

**Client Sample ID: 18708-1167**

**GC/MS Volatiles**

**Lot-Sample #...:** M9F140167-004 **Work Order #...:** CWVK6101 **Matrix.....:** AIR

| PARAMETER | RESULT | REPORTING LIMIT | UNITS |
|---|---|---|---|
| Chlorobenzene | ND | 0.0092 | ug/L |
| Ethylbenzene | ND | 0.0087 | ug/L |
| Xylenes (total) | ND | 0.0087 | ug/L |
| Styrene | ND | 0.0085 | ug/L |
| Bromoform | ND | 0.021 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 0.014 | ug/L |
| Benzyl chloride | ND | 0.052 | ug/L |
| 4-Ethyltoluene | ND | 0.0098 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 0.0098 | ug/L |
| 1,3-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,4-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2-Dichlorobenzene | ND | 0.012 | ug/L |
| 1,2,4-Trichlorobenzene | ND | 0.15 | ug/L |
| Hexachlorobutadiene | ND | 0.043 | ug/L |
| Methyl tert-butyl ether (MTBE) | ND | 0.036 | ug/L |