SEVERN TRENT SERVICES

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

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

January 18, 2001

STL LOT NUMBER: **E1A060128**
PO/CONTRACT: 05160-SEV002

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

Dear Mr. Purcell,

This report contains the analytical results for the 20 samples received under chain of custody by STL Los Angeles on January 6, 2001. These samples are associated with your BRC, former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading beyond 2 to 6 degrees Celsius is considered not within acceptable criteria unless otherwise noted such as limited transit time from field and test requested. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

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

Sincerely,

Diane Suzuki
Project Manager

cc: Project File

This report contains a total of 0 73 pages.

# Analysis Request and Chain of Custody Record

**ORANGE COAST ANALYTICAL, INC.**
3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: _____

BOE-C6-0162492

| CUSTOMER INFORMATION | PROJECT INFORMATION |
|---|---|
| COMPANY: Kennedy Jenks | PROJECT NAME: Boeing C-6 |
| SEND REPORT TO: Jay Knight | NUMBER: 004032.01 |
| ADDRESS: 2151 Michelson Dr. Ste 100 | LOCATION: |
| Irvine Ca 92612 | ADDRESS: |
| PHONE: 949-261-1577 FAX: | SAMPLED BY: Tim |

ANALYSIS/METHOD REQUEST: VOCs 8260

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER TYPE | PRES. | VOCs 8260 | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|
| N-2-5 | 1 | 1/5/01 | 8:30 | Soil | ACETATE LINER | ICE | X | |
| " -10 | | | 8:40 | | | | | |
| " -15 | | | 8:50 | | | | | |
| " -20 | | | 9:00 | | | | | |
| " -30 | | | 9:15 | | | | | |
| " -40 | | | 10:11 | | | | | |
| O-5-5 | | | 10:35 | | | | | |
| " -10 | | | 10:40 | | | | | |
| " -15 | | | 10:45 | | | | | |
| " -20 | | | 10:50 | | | | | |
| " -30 | | | 11:18 | | | | | |
| " -40 | | | 12:01 | | | | | |
| PD-3-5 | | | 1:21 | | | | | |
| " -10 | 1 | 1/5/01 | 1:30 | Soil | ACETATE LINER | ICE | X | |

Total No. of Samples: 14

Method of Shipment:

| Relinquished By: | Date/Time: | Received By: | Date/Time: |
|---|---|---|---|
| Tim Doyle | 1/5/01 | [illegible] | 1/5/01 3:45 |
| [illegible] | 1/5/01 5:00 | [illegible] | 1/5/01 1700 |
| | | Received For Lab By: | |

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

0 0 2

# Analysis Request and Chain of Custody Record

**ORANGE COAST ANALYTICAL, INC.**
3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: _____

| CUSTOMER INFORMATION | PROJECT INFORMATION |
|---|---|
| COMPANY: Kennedy Jenks | PROJECT NAME: Boeing C-6 |
| SEND REPORT TO: Jay Knight | NUMBER: 004032.01 |
| ADDRESS: 2151 Michelson Dr. Ste 100 Irvine, Ca 92612 | LOCATION: |
| | ADDRESS: |
| PHONE: 949-261-1577 FAX: | SAMPLED BY: Tim |

ANALYSIS/METHOD REQUEST: VOCs 8260

| SAMPLE ID | NO. OF CONTAINERS | SAMPLE DATE | SAMPLE TIME | SAMPLE MATRIX | CONTAINER TYPE | PRES. | VOCs 8260 | | | | | | | | REMARKS/PRECAUTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PD-3-15 | 1 | 1/5/01 | 1:35 | Soil | Acetate Liner | ICE | X | | | | | | | | |
| " -20 | | | 1:46 | | | | | | | | | | | | |
| " -30 | | | 2:00 | | | | | | | | | | | | |
| " -40 | | | 2:45 | Soil | Acetate liner | ICE | | | | | | | | | |
| Rinsate | 1 | | 3:30 | W | VOA | HCL | | | | | | | | | |
| Trip Blank | 1 | 1/5/01 | 3:30 | W | VOA | HCL | X | | | | | | | | |

| | | | |
|---|---|---|---|
| Total No. of Samples: 6 | | Method of Shipment: | |
| Relinquished By: Tim Doyle | Date/Time: 1/5/01 3:30 | Received By: [signature] | Date/Time: 1/5/01 3:45 |
| Relinquished By: [signature] | Date/Time: 1/5/01 5:00 | Received By: [signature] | Date/Time: 1/5/01 1700 |
| Relinquished By: | Date/Time: | Received For Lab By: | Date/Time: |

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0162493

0 03

# STL – LOS ANGELES
## PROJECT RECEIPT CHECKLIST

Date: 1-05-2001

Quantims Lot #: ELA060128
Client Name: Kennedy Jenks
Received by: Royce Shrulin
Delivered by : ☐Client ☐Airborne ☐Fed Ex ☐DHL ☐Ultra-Ex ☐Rey B. ☐UPS ☒DES ☐Other

Quote #: 38269
Project: Boeing C-6
Date/Time Received: 1/5 1700

| | | Initial / Date |
|---|---|---|
| Custody Seal Status: | ☐Intact ☐Broken ☒None | RS 1/06 |
| Custody Seal #(s): | ☒No Seal # | |
| Sample Container(s): | ☐STL-LA ☒Client ☐N/A | |
| Temperature(s) (COOLER/BLANK) in °C: | 7°C (CORRECTED TEMP) -2°C | |
| Thermometer Used : | ☒IR (Infra-red) ☐Digital (Probe) | |
| Samples: | ☒Intact ☐Broken ☐Other | |
| Anomalies: | ☒No ☐Yes (See Clouseau) | |
| Labeled by | | |
| Labeling checked by | | |
| Turn Around Time: | ☐RUSH-24HR ☐RUSH-48HR ☐RUSH-72HR ☒NORMAL | RS 1/06 |
| Short-Hold Notification: | ☐Ph ☐Wet Chem ☐Metals (Filter/Pres) ☐Encore ☒N/A | |
| Outside Analysis(es) (Test/Lab/Date Sent Out) : | | |

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

| Fraction | 1-18 | 19,20 | | | | | | | | | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOAh /* | | 1 | | | | | | | | | N/A |
| PSleave | 1 | | | | | | | | | | |

h:HCl na:Sodium Hydroxide znna:Zinc Acetate/Sodium Hydroxide s: H2SO4 n:HNO3 n/f:HNO3-Field filtered n/fl:HNO3-Lab filtered
CGJ:Clear Glass Jar CGB:Clear Glass Bottle AGJ:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E:Encore Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: 1/06 REVIEWED BY/DATE: 1/8/01

PRC Ver 5 030200 KAF

0 04

# EXECUTIVE SUMMARY - Detection Highlights

E1A060128

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **N-2-5 01/05/01 08:30 001** | | | | |
| Trichloroethene | 21 | 5.0 | ug/kg | SW846 8260B |
| **N-2-10 01/05/01 08:40 002** | | | | |
| 1,1-Dichloroethene | 4.2 J | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 9.1 | 5.0 | ug/kg | SW846 8260B |
| **N-2-15 01/05/01 08:50 003** | | | | |
| Trichloroethene | 3.4 J | 5.0 | ug/kg | SW846 8260B |
| **N-2-20 01/05/01 09:00 004** | | | | |
| 1,1-Dichloroethene | 14 | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 40 | 5.0 | ug/kg | SW846 8260B |
| **N-2-30 01/05/01 09:15 005** | | | | |
| 1,1-Dichloroethene | 210 | 5.0 | ug/kg | SW846 8260B |
| trans-1,2-Dichloroethene | 2.3 J | 5.0 | ug/kg | SW846 8260B |
| 1,1-Dichloroethane | 5.4 | 5.0 | ug/kg | SW846 8260B |
| cis-1,2-Dichloroethene | 2.5 J | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | 6.9 | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 180 | 5.0 | ug/kg | SW846 8260B |
| **N-2-40 01/05/01 10:11 006** | | | | |
| 1,1-Dichloroethene | 22 | 5.0 | ug/kg | SW846 8260B |
| 1,1,1-Trichloroethane | 3.1 J | 5.0 | ug/kg | SW846 8260B |
| Trichloroethene | 22 | 5.0 | ug/kg | SW846 8260B |
| **O-5-5 01/05/01 10:35 007** | | | | |
| Trichloroethene | 50 | 5.0 | ug/kg | SW846 8260B |
| **O-5-15 01/05/01 10:45 009** | | | | |
| Trichloroethene | 2.8 J | 5.0 | ug/kg | SW846 8260B |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

E1A060128

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | ANALYTICAL METHOD |
|---|---|---|---|---|
| **O-5-20 01/05/01 10:50 010** | | | | |
| Trichloroethene | 6.8 | 5.0 | ug/kg | SW846 8260B |
| **O-5-30 01/05/01 11:18 011** | | | | |
| Trichloroethene | 12 | 5.0 | ug/kg | SW846 8260B |
| **PD-3-5 01/05/01 13:21 013** | | | | |
| Trichloroethene | 2.4 J | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | 2.4 J | 5.0 | ug/kg | SW846 8260B |
| **PD-3-15 01/05/01 13:35 015** | | | | |
| Trichloroethene | 8.5 | 5.0 | ug/kg | SW846 8260B |
| **PD-3-20 01/05/01 13:45 016** | | | | |
| Trichloroethene | 11 | 5.0 | ug/kg | SW846 8260B |
| Tetrachloroethene | 2.6 J | 5.0 | ug/kg | SW846 8260B |
| **PD-3-30 01/05/01 14:00 017** | | | | |
| Trichloroethene | 7.0 | 5.0 | ug/kg | SW846 8260B |
| **PD-3-40 01/05/01 14:45 018** | | | | |
| Trichloroethene | 2.9 J | 5.0 | ug/kg | SW846 8260B |
| **Trip Blank 01/05/01 15:30 020** | | | | |
| Methyl tert-butyl ether | 0.54 J | 1.0 | ug/L | SW846 8260B |



BOE-C6-0162496

# METHODS SUMMARY

E1A060128

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

**References:**

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



BOE-C6-0162497

# SAMPLE SUMMARY

E1A060128

| WO # | SAMPLE# | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|---|
| DTCHJ | 001 | N-2-5 | 01/05/01 | 08:30 |
| DTCHK | 002 | N-2-10 | 01/05/01 | 08:40 |
| DTCHL | 003 | N-2-15 | 01/05/01 | 08:50 |
| DTCHM | 004 | N-2-20 | 01/05/01 | 09:00 |
| DTCHN | 005 | N-2-30 | 01/05/01 | 09:15 |
| DTCHP | 006 | N-2-40 | 01/05/01 | 10:11 |
| DTCHQ | 007 | O-5-5 | 01/05/01 | 10:35 |
| DTCHR | 008 | O-5-10 | 01/05/01 | 10:40 |
| DTCHT | 009 | O-5-15 | 01/05/01 | 10:45 |
| DTCH0 | 010 | O-5-20 | 01/05/01 | 10:50 |
| DTCH1 | 011 | O-5-30 | 01/05/01 | 11:18 |
| DTCH2 | 012 | O-5-40 | 01/05/01 | 00:01 |
| DTCH4 | 013 | PD-3-5 | 01/05/01 | 13:21 |
| DTCH5 | 014 | PD-3-10 | 01/05/01 | 13:30 |
| DTCH7 | 015 | PD-3-15 | 01/05/01 | 13:35 |
| DTCH8 | 016 | PD-3-20 | 01/05/01 | 13:45 |
| DTCJD | 017 | PD-3-30 | 01/05/01 | 14:00 |
| DTCJE | 018 | PD-3-40 | 01/05/01 | 14:45 |
| DTCJF | 019 | Rinsate | 01/05/01 | 15:30 |
| DTCJG | 020 | Trip Blank | 01/05/01 | 15:30 |

**NOTE(S):**

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



BOE-C6-0162498

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-5

GC/MS Volatiles

Lot-Sample #...: E1A060128-001 Work Order #...: DTCHJ1AA Matrix.....: SOLID
Date Sampled...: 01/05/01 08:30 Date Received..: 01/05/01 17:00 MS Run #.....: 1013012
Prep Date.....: 01/12/01 Analysis Date..: 01/12/01
Prep Batch #...: 1013105 Analysis Time..: 21:23
Dilution Factor: 1
Analyst ID.....: 004648 Instrument ID..: MSD
Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **21** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-5

GC/MS Volatiles

Lot-Sample #...: E1A060128-001 Work Order #...: DTCHJ1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 107 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 93 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-10

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E1A060128-002 | Work Order #...: | DTCHK1AA | Matrix.....: | SOLID |
| Date Sampled...: | 01/05/01 08:40 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1013012 |
| Prep Date.....: | 01/12/01 | Analysis Date..: | 01/12/01 | | |
| Prep Batch #...: | 1013105 | Analysis Time..: | 21:54 | | |
| Dilution Factor: | 1 | | | | |
| Analyst ID.....: | 004648 | Instrument ID..: | MSD | | |
| | | Method.....: | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| **1,1-Dichloroethene** | **4.2 J** | **5.0** | **ug/kg** | **2.0** |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **9.1** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

(Continued on next page)

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-10

GC/MS Volatiles

Lot-Sample #...: E1A060128-002 Work Order #...: DTCHK1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 92 | (60 - 140) |
| Toluene-d8 | 88 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-15

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-003 | **Work Order #...:** | DTCHL1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 08:50 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1013012 |
| **Prep Date.....:** | 01/12/01 | **Analysis Date..:** | 01/12/01 | | |
| **Prep Batch #...:** | 1013105 | **Analysis Time..:** | 22:25 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 004648 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **3.4 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-15

GC/MS Volatiles

Lot-Sample #...: E1A060128-003 Work Order #...: DTCHL1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-20

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E1A060128-004 | Work Order #...: | DTCHM1AA | Matrix.....: | SOLID |
| Date Sampled...: | 01/05/01 09:00 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1013012 |
| Prep Date.....: | 01/12/01 | Analysis Date..: | 01/12/01 | | |
| Prep Batch #...: | 1013105 | Analysis Time..: | 22:56 | | |
| Dilution Factor: | 1 | | | | |
| Analyst ID.....: | 004648 | Instrument ID..: | MSD | | |
| | | Method.....: | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| **1,1-Dichloroethene** | **14** | **5.0** | **ug/kg** | **2.0** |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **40** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-20

GC/MS Volatiles

Lot-Sample #...: E1A060128-004 Work Order #...: DTCHM1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 98 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| Toluene-d8 | 90 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-30

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-005 | **Work Order #...:** | DTCHN1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 09:15 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1013012 |
| **Prep Date.....:** | 01/13/01 | **Analysis Date..:** | 01/13/01 | | |
| **Prep Batch #...:** | 1013105 | **Analysis Time..:** | 00:29 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 004648 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| **1,1-Dichloroethene** | **210** | **5.0** | **ug/kg** | **2.0** |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| **trans-1,2-Dichloroethene** | **2.3 J** | **5.0** | **ug/kg** | **2.0** |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| **1,1-Dichloroethane** | **5.4** | **5.0** | **ug/kg** | **1.0** |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| **cis-1,2-Dichloroethene** | **2.5 J** | **5.0** | **ug/kg** | **2.0** |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| **1,1,1-Trichloroethane** | **6.9** | **5.0** | **ug/kg** | **1.0** |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **180** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-30

GC/MS Volatiles

Lot-Sample #...: E1A060128-005 Work Order #...: DTCHN1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 103 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 90 | (60 - 140) |
| Toluene-d8 | 96 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-40

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-006 | **Work Order #...:** | DTCHP1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 10:11 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1017120 |
| **Prep Date.....:** | 01/17/01 | **Analysis Date..:** | 01/17/01 | | |
| **Prep Batch #...:** | 1017273 | **Analysis Time..:** | 04:21 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| **1,1-Dichloroethene** | **22** | **5.0** | **ug/kg** | **2.0** |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| **1,1,1-Trichloroethane** | **3.1 J** | **5.0** | **ug/kg** | **1.0** |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **22** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: N-2-40

GC/MS Volatiles

Lot-Sample #...: E1A060128-006 Work Order #...: DTCHP1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 91 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 86 | (60 - 140) |
| Toluene-d8 | 85 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-5

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-007 | **Work Order #...:** | DTCHQ1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 10:35 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 10:15 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-5

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-007 **Work Order #...:** DTCHQ1AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 102 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 88 | (60 - 140) |
| Toluene-d8 | 91 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-10

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-008 | **Work Order #...:** | DTCHR1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 10:40 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 11:48 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-10

GC/MS Volatiles

Lot-Sample #...: E1A060128-008 Work Order #...: DTCHR1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 95 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 91 | (60 - 140) |
| Toluene-d8 | 90 | (70 - 130) |



BOE-C6-0162514

KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-15

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-009 | **Work Order #...:** | DTCHT1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 10:45 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 12:19 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 999998 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **2.8 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-15

GC/MS Volatiles

Lot-Sample #...: E1A060128-009 Work Order #...: DTCHT1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 93 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 90 | (60 - 140) |
| Toluene-d8 | 86 | (70 - 130) |

NOTE(S):

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-20

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-010 | **Work Order #...:** | DTCH01AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 10:50 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 12:50 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **6.8** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-20

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-010 **Work Order #...:** DTCH01AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 110 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| Toluene-d8 | 107 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-30

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-011 | **Work Order #...:** | DTCH11AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 11:18 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 13:21 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **12** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-30

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-011 **Work Order #...:** DTCH11AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 95 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 90 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |



BOE-C6-0162520

KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-40

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-012 | **Work Order #...:** | DTCH21AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 00:01 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 13:52 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: O-5-40

GC/MS Volatiles

Lot-Sample #...: E1A060128-012 Work Order #...: DTCH21AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 91 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| Toluene-d8 | 87 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-5

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E1A060128-013 | Work Order #...: | DTCH41AA | Matrix.....: | SOLID |
| Date Sampled...: | 01/05/01 13:21 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1015246 |
| Prep Date.....: | 01/15/01 | Analysis Date..: | 01/15/01 | | |
| Prep Batch #...: | 1015461 | Analysis Time..: | 14:23 | | |
| Dilution Factor: | 1 | | | | |
| Analyst ID.....: | 015590 | Instrument ID..: | MSD | | |
| | | Method.....: | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **2.4 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-5

GC/MS Volatiles

Lot-Sample #...: E1A060128-013 Work Order #...: DTCH41AA Matrix.....: SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| **Tetrachloroethene** | **2.4 J** | **5.0** | **ug/kg** | **2.0** |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

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

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-10

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-014 | **Work Order #...:** | DTCH51AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 13:30 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 14:54 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-10

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-014 **Work Order #...:** DTCH51AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 94 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 91 | (60 - 140) |
| Toluene-d8 | 91 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-15

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-015 | **Work Order #...:** | DTCH71AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 13:35 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 15:25 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **8.5** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-15

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-015 **Work Order #...:** DTCH71AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 92 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 93 | (60 - 140) |
| Toluene-d8 | 91 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-20

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-016 | **Work Order #...:** | DTCH81AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 13:45 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 15:56 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **11** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-20

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-016 **Work Order #...:** DTCH81AA **Matrix.....:** SOLID

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| **Tetrachloroethene** | **2.6 J** | **5.0** | **ug/kg** | **2.0** |
| 2-Hexanone | ND | 25 | ug/kg | 10 |
| Dibromochloromethane | ND | 5.0 | ug/kg | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 | ug/kg | 3.0 |
| Chlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| Ethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| Xylenes (total) | ND | 5.0 | ug/kg | 3.0 |
| Styrene | ND | 10 | ug/kg | 2.0 |
| Bromoform | ND | 5.0 | ug/kg | 3.0 |
| Isopropylbenzene | ND | 5.0 | ug/kg | 2.0 |
| p-Isopropyltoluene | ND | 5.0 | ug/kg | 2.0 |
| Bromobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/kg | 3.0 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/kg | 3.0 |
| n-Propylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 2-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 4-Chlorotoluene | ND | 5.0 | ug/kg | 2.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| tert-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/kg | 2.0 |
| sec-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/kg | 2.0 |
| n-Butylbenzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dibromo-3-chloro-propane | ND | 10 | ug/kg | 3.0 |
| 1,2,4-Trichloro-benzene | ND | 5.0 | ug/kg | 2.0 |
| Hexachlorobutadiene | ND | 5.0 | ug/kg | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/kg | 2.0 |

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

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-30

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-017 | **Work Order #...:** | DTCJD1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 14:00 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 16:26 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **7.0** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-30

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-017 **Work Order #...:** DTCJD1AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 92 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 100 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |

KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-40

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-018 | **Work Order #...:** | DTCJE1AA | **Matrix.....:** | SOLID |
| **Date Sampled...:** | 01/05/01 14:45 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1015246 |
| **Prep Date.....:** | 01/15/01 | **Analysis Date..:** | 01/15/01 | | |
| **Prep Batch #...:** | 1015461 | **Analysis Time..:** | 16:57 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 015590 | **Instrument ID..:** | MSD | | |
| | | **Method.....:** | SW846 8260B | | |

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| Dichlorodifluoromethane | ND | 10 | ug/kg | 1.0 |
| Chloromethane | ND | 10 | ug/kg | 3.0 |
| Vinyl chloride | ND | 10 | ug/kg | 2.0 |
| Bromomethane | ND | 10 | ug/kg | 2.0 |
| Chloroethane | ND | 10 | ug/kg | 2.0 |
| Trichlorofluoromethane | ND | 10 | ug/kg | 2.0 |
| Acrolein | ND | 100 | ug/kg | 30 |
| 1,1-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Iodomethane | ND | 10 | ug/kg | 5.0 |
| Acetone | ND | 25 | ug/kg | 15 |
| Carbon disulfide | ND | 5.0 | ug/kg | 2.0 |
| Methylene chloride | ND | 5.0 | ug/kg | 3.0 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| Acrylonitrile | ND | 50 | ug/kg | 30 |
| Methyl tert-butyl ether | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| Vinyl acetate | ND | 10 | ug/kg | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 | ug/kg | 2.0 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/kg | 2.0 |
| 2-Butanone | ND | 25 | ug/kg | 15 |
| Bromochloromethane | ND | 5.0 | ug/kg | 1.0 |
| Chloroform | ND | 5.0 | ug/kg | 1.0 |
| Tetrahydrofuran | ND | 20 | ug/kg | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/kg | 1.0 |
| 1,1-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| Carbon tetrachloride | ND | 5.0 | ug/kg | 1.0 |
| Benzene | ND | 5.0 | ug/kg | 2.0 |
| 1,2-Dichloroethane | ND | 5.0 | ug/kg | 1.0 |
| **Trichloroethene** | **2.9 J** | **5.0** | **ug/kg** | **2.0** |
| 1,2-Dichloropropane | ND | 5.0 | ug/kg | 1.0 |
| Bromodichloromethane | ND | 5.0 | ug/kg | 1.0 |
| 2-Chloroethyl vinyl ether | ND | 10 | ug/kg | 5.0 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/kg | 1.0 |
| 4-Methyl-2-pentanone | ND | 25 | ug/kg | 10 |
| Toluene | ND | 5.0 | ug/kg | 2.0 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/kg | 3.0 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/kg | 3.0 |

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: PD-3-40

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-018 **Work Order #...:** DTCJE1AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 91 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 100 | (60 - 140) |
| Toluene-d8 | 87 | (70 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Rinsate

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Lot-Sample #...:** | E1A060128-019 | **Work Order #...:** | DTCJF1AA | **Matrix.....:** | WATER |
| **Date Sampled...:** | 01/05/01 15:30 | **Date Received..:** | 01/05/01 17:00 | **MS Run #.....:** | 1009156 |
| **Prep Date.....:** | 01/08/01 | **Analysis Date..:** | 01/08/01 | | |
| **Prep Batch #...:** | 1009306 | **Analysis Time..:** | 21:31 | | |
| **Dilution Factor:** | 1 | | | | |
| **Analyst ID.....:** | 004648 | **Instrument ID..:** | MSC | | |
| | | **Method.....:** | SW846 8260B | | |

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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Rinsate

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-019 **Work Order #...:** DTCJF1AA **Matrix.....:** WATER

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 94 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 100 | (65 - 130) |
| Toluene-d8 | 99 | (80 - 130) |



BOE-C6-0162536

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Trip Blank

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Lot-Sample #...: | E1A060128-020 | Work Order #...: | DTCJG1AA | Matrix.....: | WATER |
| Date Sampled...: | 01/05/01 15:30 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1009156 |
| Prep Date.....: | 01/08/01 | Analysis Date..: | 01/08/01 | | |
| Prep Batch #...: | 1009306 | Analysis Time..: | 22:01 | | |
| Dilution Factor: | 1 | | | | |
| Analyst ID.....: | 004648 | Instrument ID..: | MSC | | |
| | | Method.....: | SW846 8260B | | |

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

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Trip Blank

GC/MS Volatiles

**Lot-Sample #...:** E1A060128-020 **Work Order #...:** DTCJG1AA **Matrix.....:** WATER

| PARAMETER | RESULT | REPORTING LIMIT | UNITS | MDL |
|---|---|---|---|---|
| 2-Hexanone | ND | 5.0 | ug/L | 2.0 |
| Isopropylbenzene | ND | 1.0 | ug/L | 0.20 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 0.20 |
| Methylene chloride | ND | 1.0 | ug/L | 0.20 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 2.0 |
| **Methyl tert-butyl ether** | **0.54 J** | **1.0** | **ug/L** | **0.50** |
| n-Propylbenzene | ND | 1.0 | ug/L | 0.40 |
| Styrene | ND | 1.0 | ug/L | 0.30 |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.30 |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L | 0.30 |
| Tetrachloroethene | ND | 1.0 | ug/L | 0.70 |
| Toluene | ND | 1.0 | ug/L | 0.30 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 0.40 |
| 1,2,4-Trichloro-benzene | ND | 1.0 | ug/L | 0.30 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 0.20 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 0.30 |
| Trichloroethene | ND | 1.0 | ug/L | 0.30 |
| Trichlorofluoromethane | ND | 2.0 | ug/L | 0.20 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 0.30 |
| 1,1,2-Trichlorotrifluoro-ethane | ND | 1.0 | ug/L | 0.20 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 0.20 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 0.20 |
| Xylenes (total) | ND | 1.0 | ug/L | 0.50 |
| Acrolein | ND | 20 | ug/L | 12 |
| Acrylonitrile | ND | 20 | ug/L | 10 |
| Vinyl acetate | ND | 5.0 | ug/L | 1.0 |
| Tetrahydrofuran | ND | 10 | ug/L | 2.0 |
| 2-Chloroethyl vinyl ether | ND | 5.0 | ug/L | 2.0 |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 94 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 101 | (65 - 130) |
| Toluene-d8 | 99 | (80 - 130) |

**NOTE(S):**

J Estimated result. Result is less than RL.



BOE-C6-0162538

# QC DATA ASSOCIATION SUMMARY

E1A060128

Sample Preparation and Analysis Control Numbers

| SAMPLE# | MATRIX | ANALYTICAL METHOD | LEACH BATCH # | PREP BATCH # | MS RUN# |
|---|---|---|---|---|---|
| 001 | SOLID | SW846 8260B | | 1013105 | 1013012 |
| 002 | SOLID | SW846 8260B | | 1013105 | 1013012 |
| 003 | SOLID | SW846 8260B | | 1013105 | 1013012 |
| 004 | SOLID | SW846 8260B | | 1013105 | 1013012 |
| 005 | SOLID | SW846 8260B | | 1013105 | 1013012 |
| 006 | SOLID | SW846 8260B | | 1017273 | 1017120 |
| 007 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 008 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 009 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 010 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 011 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 012 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 013 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 014 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 015 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 016 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 017 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 018 | SOLID | SW846 8260B | | 1015461 | 1015246 |
| 019 | WATER | SW846 8260B | | 1009306 | 1009156 |
| 020 | WATER | SW846 8260B | | 1009306 | 1009156 |

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1A060128
MB Lot-Sample #: E1A090000-306

Work Order #...: DTEXF1AA

Matrix.....: WATER

Prep Date.....: 01/08/01
Prep Batch #...: 1009306

Analysis Time..: 20:30
Instrument ID..: MSC

Analysis Date..: 01/08/01
Dilution Factor: 1

Analyst ID.....: 004648

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTEXF1AA Matrix.....: WATER

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

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

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1A060128
MB Lot-Sample #: E1A130000-105

Work Order #...: DTMGF1AA

Matrix.....: SOLID

Prep Date.....: 01/12/01

Analysis Time..: 20:51

Analysis Date..: 01/12/01

Prep Batch #...: 1013105

Instrument ID..: MSD

Dilution Factor: 1

Analyst ID.....: 004648

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

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METHOD BLANK REPORT

GC/MS Volatiles

**Client Lot #...:** E1A060128 **Work Order #...:** DTMGF1AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 108 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 97 | (60 - 140) |
| Toluene-d8 | 99 | (70 - 130) |

**NOTE(S):**

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1A060128
MB Lot-Sample #: E1A150000-461

Work Order #...: DTNNG1AA

Matrix.....: SOLID

Prep Date.....: 01/15/01
Prep Batch #...: 1015461

Analysis Time..: 09:04
Instrument ID..: MSD

Analysis Date..: 01/15/01
Dilution Factor: 1

Analyst ID.....: 015590

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

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METHOD BLANK REPORT

GC/MS Volatiles

**Client Lot #...:** E1A060128 **Work Order #...:** DTNNG1AA **Matrix.....:** SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 96 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 88 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |

**NOTE(S):**

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

METHOD BLANK REPORT

GC/MS Volatiles

**Client Lot #...:** E1A060128 **Work Order #...:** DTQJQ1AA **Matrix.....:** SOLID
**MB Lot-Sample #:** E1A170000-273

**Prep Date.....:** 01/16/01 **Analysis Time..:** 20:06
**Analysis Date..:** 01/16/01 **Prep Batch #...:** 1017273 **Instrument ID..:** MSD
**Dilution Factor:** 1

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

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

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTQJQ1AA Matrix.....: SOLID

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

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 101 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 85 | (60 - 140) |
| Toluene-d8 | 97 | (70 - 130) |

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTEXF1AC Matrix.....: WATER
LCS Lot-Sample#: E1A090000-306
Prep Date.....: 01/08/01 Analysis Date..: 01/08/01
Prep Batch #...: 1009306 Analysis Time..: 20:00
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| Benzene | 10.0 | 10.4 | ug/L | 104 | SW846 8260B |
| 1,1-Dichloroethene | 10.0 | 11.0 | ug/L | 110 | SW846 8260B |
| Chlorobenzene | 10.0 | 10.2 | ug/L | 102 | SW846 8260B |
| Toluene | 10.0 | 10.2 | ug/L | 102 | SW846 8260B |
| Trichloroethene | 10.0 | 10.2 | ug/L | 102 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 99 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 101 | (65 - 130) |
| Toluene-d8 | 103 | (80 - 130) |

NOTE(S):

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

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTMGF1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A130000-105
Prep Date.....: 01/12/01 Analysis Date..: 01/12/01
Prep Batch #...: 1013105 Analysis Time..: 20:20
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 004648

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 53.4 | ug/kg | 107 | SW846 8260B |
| Benzene | 50.0 | 50.3 | ug/kg | 101 | SW846 8260B |
| Trichloroethene | 50.0 | 44.5 | ug/kg | 89 | SW846 8260B |
| Toluene | 50.0 | 50.9 | ug/kg | 102 | SW846 8260B |
| Chlorobenzene | 50.0 | 50.4 | ug/kg | 101 | SW846 8260B |

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTNNG1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A150000-461
Prep Date.....: 01/15/01 Analysis Date..: 01/15/01
Prep Batch #...: 1015461 Analysis Time..: 08:33
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 57.4 | ug/kg | 115 | SW846 8260B |
| Benzene | 50.0 | 54.6 | ug/kg | 109 | SW846 8260B |
| Trichloroethene | 50.0 | 47.2 | ug/kg | 94 | SW846 8260B |
| Toluene | 50.0 | 52.4 | ug/kg | 105 | SW846 8260B |
| Chlorobenzene | 50.0 | 51.2 | ug/kg | 102 | SW846 8260B |

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTQJQ1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A170000-273
Prep Date.....: 01/16/01 Analysis Date..: 01/16/01
Prep Batch #...: 1017273 Analysis Time..: 19:35
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 015590

| PARAMETER | SPIKE AMOUNT | MEASURED AMOUNT | UNITS | PERCENT RECOVERY | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 50.0 | 53.4 | ug/kg | 107 | SW846 8260B |
| Benzene | 50.0 | 49.7 | ug/kg | 99 | SW846 8260B |
| Trichloroethene | 50.0 | 47.6 | ug/kg | 95 | SW846 8260B |
| Toluene | 50.0 | 52.6 | ug/kg | 105 | SW846 8260B |
| Chlorobenzene | 50.0 | 51.5 | ug/kg | 103 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 80 | (60 - 140) |
| Toluene-d8 | 95 | (70 - 130) |

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTEXF1AC Matrix.....: WATER
LCS Lot-Sample#: E1A090000-306
Prep Date.....: 01/08/01 Analysis Date..: 01/08/01
Prep Batch #...: 1009306 Analysis Time..: 20:00
Dilution Factor: 1 Instrument ID..: MSC
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| Benzene | 104 | (75 - 120) | SW846 8260B |
| 1,1-Dichloroethene | 110 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 102 | (80 - 120) | SW846 8260B |
| Toluene | 102 | (80 - 120) | SW846 8260B |
| Trichloroethene | 102 | (75 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 99 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 101 | (65 - 130) |
| Toluene-d8 | 103 | (80 - 130) |

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTMGF1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A130000-105
Prep Date.....: 01/12/01 Analysis Date..: 01/12/01
Prep Batch #...: 1013105 Analysis Time..: 20:20
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 004648

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 107 | (60 - 150) | SW846 8260B |
| Benzene | 101 | (70 - 140) | SW846 8260B |
| Trichloroethene | 89 | (70 - 130) | SW846 8260B |
| Toluene | 102 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 101 | (70 - 130) | SW846 8260B |

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTNNG1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A150000-461
Prep Date.....: 01/15/01 Analysis Date..: 01/15/01
Prep Batch #...: 1015461 Analysis Time..: 08:33
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 115 | (60 - 150) | SW846 8260B |
| Benzene | 109 | (70 - 140) | SW846 8260B |
| Trichloroethene | 94 | (70 - 130) | SW846 8260B |
| Toluene | 105 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 102 | (70 - 130) | SW846 8260B |

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

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E1A060128 Work Order #...: DTQJQ1AC Matrix.....: SOLID
LCS Lot-Sample#: E1A170000-273
Prep Date.....: 01/16/01 Analysis Date..: 01/16/01
Prep Batch #...: 1017273 Analysis Time..: 19:35
Dilution Factor: 1 Instrument ID..: MSD
Analyst ID.....: 015590

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | METHOD |
|---|---|---|---|
| 1,1-Dichloroethene | 107 | (60 - 150) | SW846 8260B |
| Benzene | 99 | (70 - 140) | SW846 8260B |
| Trichloroethene | 95 | (70 - 130) | SW846 8260B |
| Toluene | 105 | (70 - 130) | SW846 8260B |
| Chlorobenzene | 103 | (70 - 130) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 80 | (60 - 140) |
| Toluene-d8 | 95 | (70 - 130) |

NOTE(S):

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE DATA REPORT

## GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DR92V1CT-MS | Matrix.....: | WATER |
| MS Lot-Sample #: | E1A050185-002 | | DR92V1CU-MSD | | |
| Date Sampled...: | 01/04/01 11:35 | Date Received..: | 01/05/01 10:00 | MS Run #.....: | 1009156 |
| Prep Date.....: | 01/09/01 | Analysis Date..: | 01/09/01 | | |
| Prep Batch #...: | 1009306 | Analysis Time..: | 06:02 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 004648 | Instrument ID..: | MSC |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| Benzene | ND | 10.0 | 9.68 | ug/L | 97 | | SW846 8260B |
| | ND | 10.0 | 9.87 | ug/L | 99 | 1.9 | SW846 8260B |
| 1,1-Dichloroethene | ND | 10.0 | 10.8 | ug/L | 108 | | SW846 8260B |
| | ND | 10.0 | 10.5 | ug/L | 105 | 2.8 | SW846 8260B |
| Chlorobenzene | ND | 10.0 | 9.60 | ug/L | 96 | | SW846 8260B |
| | ND | 10.0 | 9.77 | ug/L | 98 | 1.8 | SW846 8260B |
| Toluene | ND | 10.0 | 9.35 | ug/L | 94 | | SW846 8260B |
| | ND | 10.0 | 9.53 | ug/L | 95 | 1.9 | SW846 8260B |
| Trichloroethene | ND | 10.0 | 9.93 | ug/L | 99 | | SW846 8260B |
| | ND | 10.0 | 10.2 | ug/L | 102 | 2.6 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 98 | (75 - 120) |
| | 99 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 111 | (65 - 130) |
| | 112 | (65 - 130) |
| Toluene-d8 | 98 | (80 - 130) |
| | 99 | (80 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DTCHL1AC-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E1A060128-003 | | DTCHL1AD-MSD | | |
| Date Sampled...: | 01/05/01 08:50 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1013012 |
| Prep Date.....: | 01/12/01 | Analysis Date..: | 01/12/01 | | |
| Prep Batch #...: | 1013105 | Analysis Time..: | 23:27 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 004648 | Instrument ID..: | MSD |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 52.7 | ug/kg | 105 | | SW846 8260B |
| | ND | 50.0 | 53.1 | ug/kg | 106 | 0.73 | SW846 8260B |
| Benzene | ND | 50.0 | 50.2 | ug/kg | 100 | | SW846 8260B |
| | ND | 50.0 | 51.4 | ug/kg | 103 | 2.3 | SW846 8260B |
| Trichloroethene | 3.4 | 50.0 | 45.8 | ug/kg | 85 | | SW846 8260B |
| | 3.4 | 50.0 | 46.6 | ug/kg | 86 | 1.6 | SW846 8260B |
| Toluene | ND | 50.0 | 51.0 | ug/kg | 102 | | SW846 8260B |
| | ND | 50.0 | 50.8 | ug/kg | 102 | 0.45 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 50.7 | ug/kg | 101 | | SW846 8260B |
| | ND | 50.0 | 50.4 | ug/kg | 101 | 0.71 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 105 | (70 - 130) |
| | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| | 105 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |
| | 101 | (70 - 130) |

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DTCHQ1AC-MS<br>DTCHQ1AD-MSD | Matrix.....: | SOLID |
| MS Lot-Sample #: | E1A060128-007 | | | | |
| Date Sampled...: | 01/05/01 10:35 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1015246 |
| Prep Date.....: | 01/15/01 | Analysis Date..: | 01/15/01 | | |
| Prep Batch #...: | 1015461 | Analysis Time..: | 10:46 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 015590 | Instrument ID..: | MSD |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 51.4 | ug/kg | 103 | | SW846 8260B |
| | ND | 50.0 | 55.3 | ug/kg | 111 | 7.2 | SW846 8260B |
| Benzene | ND | 50.0 | 51.2 | ug/kg | 102 | | SW846 8260B |
| | ND | 50.0 | 53.2 | ug/kg | 106 | 3.8 | SW846 8260B |
| Trichloroethene | 50 | 50.0 | 78.0 | ug/kg | 56 a | | SW846 8260B |
| | 50 | 50.0 | 79.1 | ug/kg | 58 a | 1.3 | SW846 8260B |
| Toluene | ND | 50.0 | 48.3 | ug/kg | 97 | | SW846 8260B |
| | ND | 50.0 | 52.6 | ug/kg | 105 | 8.6 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 46.9 | ug/kg | 94 | | SW846 8260B |
| | ND | 50.0 | 49.9 | ug/kg | 100 | 6.1 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 99 | (70 - 130) |
| | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| | 94 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |
| | 95 | (70 - 130) |

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DTE9F1C9-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E1A090238-001 | | DTE9F1DA-MSD | | |
| Date Sampled...: | 01/08/01 08:40 | Date Received..: | 01/09/01 15:40 | MS Run #.....: | 1017120 |
| Prep Date.....: | 01/16/01 | Analysis Date..: | 01/16/01 | | |
| Prep Batch #...: | 1017273 | Analysis Time..: | 21:39 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 015590 | Instrument ID..: | MSD |

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCENT RECOVERY | RPD | METHOD |
|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | 50.0 | 48.0 | ug/kg | 96 | | SW846 8260B |
| | ND | 50.0 | 47.8 | ug/kg | 96 | 0.41 | SW846 8260B |
| Benzene | ND | 50.0 | 46.2 | ug/kg | 92 | | SW846 8260B |
| | ND | 50.0 | 46.0 | ug/kg | 92 | 0.34 | SW846 8260B |
| Trichloroethene | ND | 50.0 | 44.2 | ug/kg | 88 | | SW846 8260B |
| | ND | 50.0 | 43.0 | ug/kg | 86 | 2.5 | SW846 8260B |
| Toluene | ND | 50.0 | 47.3 | ug/kg | 95 | | SW846 8260B |
| | ND | 50.0 | 48.1 | ug/kg | 96 | 1.6 | SW846 8260B |
| Chlorobenzene | ND | 50.0 | 47.6 | ug/kg | 95 | | SW846 8260B |
| | ND | 50.0 | 48.1 | ug/kg | 96 | 1.1 | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 90 | (70 - 130) |
| | 90 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 84 | (60 - 140) |
| | 86 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |
| | 92 | (70 - 130) |

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DR92V1CT-MS<br>DR92V1CU-MSD | Matrix.....: | WATER |
| MS Lot-Sample #: | E1A050185-002 | | | | |
| Date Sampled...: | 01/04/01 11:35 | Date Received..: | 01/05/01 10:00 | MS Run #.....: | 1009156 |
| Prep Date.....: | 01/09/01 | Analysis Date..: | 01/09/01 | | |
| Prep Batch #...: | 1009306 | Analysis Time..: | 06:02 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 004648 | Instrument ID..: | MSC |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| Benzene | 97 | (75 - 120) | | | SW846 8260B |
| | 99 | (75 - 120) | 1.9 | (0-25) | SW846 8260B |
| 1,1-Dichloroethene | 108 | (70 - 130) | | | SW846 8260B |
| | 105 | (70 - 130) | 2.8 | (0-25) | SW846 8260B |
| Chlorobenzene | 96 | (80 - 120) | | | SW846 8260B |
| | 98 | (80 - 120) | 1.8 | (0-25) | SW846 8260B |
| Toluene | 94 | (80 - 120) | | | SW846 8260B |
| | 95 | (80 - 120) | 1.9 | (0-25) | SW846 8260B |
| Trichloroethene | 99 | (75 - 130) | | | SW846 8260B |
| | 102 | (75 - 130) | 2.6 | (0-25) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 98 | (75 - 120) |
| | 99 | (75 - 120) |
| 1,2-Dichloroethane-d4 | 111 | (65 - 130) |
| | 112 | (65 - 130) |
| Toluene-d8 | 98 | (80 - 130) |
| | 99 | (80 - 130) |

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DTCHL1AC-MS | Matrix.....: | SOLID |
| MS Lot-Sample #: | E1A060128-003 | | DTCHL1AD-MSD | | |
| Date Sampled...: | 01/05/01 08:50 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1013012 |
| Prep Date.....: | 01/12/01 | Analysis Date..: | 01/12/01 | | |
| Prep Batch #...: | 1013105 | Analysis Time..: | 23:27 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 004648 | Instrument ID..: | MSD |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 105 | (60 - 150) | | | SW846 8260B |
| | 106 | (60 - 150) | 0.73 | (0-30) | SW846 8260B |
| Benzene | 100 | (70 - 140) | | | SW846 8260B |
| | 103 | (70 - 140) | 2.3 | (0-30) | SW846 8260B |
| Trichloroethene | 85 | (70 - 130) | | | SW846 8260B |
| | 86 | (70 - 130) | 1.6 | (0-30) | SW846 8260B |
| Toluene | 102 | (70 - 130) | | | SW846 8260B |
| | 102 | (70 - 130) | 0.45 | (0-30) | SW846 8260B |
| Chlorobenzene | 101 | (70 - 130) | | | SW846 8260B |
| | 101 | (70 - 130) | 0.71 | (0-30) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| 3romofluorobenzene | 105 | (70 - 130) |
| | 105 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 106 | (60 - 140) |
| | 105 | (60 - 140) |
| Toluene-d8 | 101 | (70 - 130) |
| | 101 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DTCHQ1AC-MS<br>DTCHQ1AD-MSD | Matrix.....: | SOLID |
| MS Lot-Sample #: | E1A060128-007 | | | | |
| Date Sampled...: | 01/05/01 10:35 | Date Received..: | 01/05/01 17:00 | MS Run #.....: | 1015246 |
| Prep Date.....: | 01/15/01 | Analysis Date..: | 01/15/01 | | |
| Prep Batch #...: | 1015461 | Analysis Time..: | 10:46 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 015590 | Instrument ID..: | MSD |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 103 | (60 - 150) | | | SW846 8260B |
| | 111 | (60 - 150) | 7.2 | (0-30) | SW846 8260B |
| Benzene | 102 | (70 - 140) | | | SW846 8260B |
| | 106 | (70 - 140) | 3.8 | (0-30) | SW846 8260B |
| Trichloroethene | 56 a | (70 - 130) | | | SW846 8260B |
| | 58 a | (70 - 130) | 1.3 | (0-30) | SW846 8260B |
| Toluene | 97 | (70 - 130) | | | SW846 8260B |
| | 105 | (70 - 130) | 8.6 | (0-30) | SW846 8260B |
| Chlorobenzene | 94 | (70 - 130) | | | SW846 8260B |
| | 100 | (70 - 130) | 6.1 | (0-30) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 99 | (70 - 130) |
| | 97 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (60 - 140) |
| | 94 | (60 - 140) |
| Toluene-d8 | 92 | (70 - 130) |
| | 95 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

| | | | | | |
|---|---|---|---|---|---|
| Client Lot #...: | E1A060128 | Work Order #...: | DTE9F1C9-MS<br>DTE9F1DA-MSD | Matrix.....: | SOLID |
| MS Lot-Sample #: | E1A090238-001 | | | | |
| Date Sampled...: | 01/08/01 08:40 | Date Received..: | 01/09/01 15:40 | MS Run #.....: | 1017120 |
| Prep Date.....: | 01/16/01 | Analysis Date..: | 01/16/01 | | |
| Prep Batch #...: | 1017273 | Analysis Time..: | 21:39 | | |
| Dilution Factor: | 1 | Analyst ID.....: | 015590 | Instrument ID..: | MSD |

| PARAMETER | PERCENT RECOVERY | RECOVERY LIMITS | RPD | RPD LIMITS | METHOD |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | 96 | (60 - 150) | | | SW846 8260B |
| | 96 | (60 - 150) | 0.41 | (0-30) | SW846 8260B |
| Benzene | 92 | (70 - 140) | | | SW846 8260B |
| | 92 | (70 - 140) | 0.34 | (0-30) | SW846 8260B |
| Trichloroethene | 88 | (70 - 130) | | | SW846 8260B |
| | 86 | (70 - 130) | 2.5 | (0-30) | SW846 8260B |
| Toluene | 95 | (70 - 130) | | | SW846 8260B |
| | 96 | (70 - 130) | 1.6 | (0-30) | SW846 8260B |
| Chlorobenzene | 95 | (70 - 130) | | | SW846 8260B |
| | 96 | (70 - 130) | 1.1 | (0-30) | SW846 8260B |

| SURROGATE | PERCENT RECOVERY | RECOVERY LIMITS |
|---|---|---|
| Bromofluorobenzene | 90 | (70 - 130) |
| | 90 | (70 - 130) |
| 1,2-Dichloroethane-d4 | 84 | (60 - 140) |
| | 86 | (60 - 140) |
| Toluene-d8 | 89 | (70 - 130) |
| | 92 | (70 - 130) |

**NOTE(S):**

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

Bold print denotes control parameters