

## Data Package



**con-test<sup>®</sup>**  
ANALYTICAL LABORATORY

August 29, 2013

Heather Hallett  
CDM Smith, Inc. - NY  
11 British American Boulevard, Suite 200  
Latham, NY 12110

Project Location: Buffalo, NY  
Client Job Number:  
Project Number: 0897-94461  
Laboratory Work Order Number: 13H0569

Enclosed are results of analyses for samples received by the laboratory on August 15, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas  
Project Manager

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

CDM Smith, Inc. - NY  
11 British American Boulevard, Suite 200  
Latham, NY 12110  
ATTN: Heather Hallett

REPORT DATE: 8/29/2013

PURCHASE ORDER NUMBER: 0897-94461

PROJECT NUMBER: 0897-94461

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 13H0569

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Buffalo, NY

| FIELD SAMPLE # | LAB ID:    | MATRIX           | SAMPLE DESCRIPTION | TEST                                                                                                                                                                                                      | SUB LAB |
|----------------|------------|------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| MW-04_08-14-13 | 13H0569-01 | Ground Water     |                    | ASTM D516-90, 02<br>SM 18-20 4500 NO2 B<br>SM 18-20 4500 NO3 F<br>SM 5310B<br>SM18-20 2320B<br>SM18-20 2510B<br>SM18-20 3500 Fe D<br>SM18-20 4500 CL B<br>SM18-20 4500S-E<br>SW-846 6010C<br>SW-846 8260C |         |
| MW-06_08-14-13 | 13H0569-02 | Ground Water     |                    | ASTM D516-90, 02<br>SM 18-20 4500 NO2 B<br>SM 18-20 4500 NO3 F<br>SM 5310B<br>SM18-20 2320B<br>SM18-20 2510B<br>SM18-20 3500 Fe D<br>SM18-20 4500 CL B<br>SM18-20 4500S-E<br>SW-846 6010C<br>SW-846 8260C |         |
| FB-02_08-14-13 | 13H0569-03 | Ground Water     |                    | SW-846 8260C                                                                                                                                                                                              |         |
| TB-03_08-14-13 | 13H0569-04 | Trip Blank Water |                    | SW-846 8260C                                                                                                                                                                                              |         |
| FD-01_08-14-13 | 13H0569-05 | Ground Water     |                    | SW-846 8260C                                                                                                                                                                                              |         |

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**SM18-20 4500S-E**

**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:**

**Sulfide**

13H0569-01[MW-04\_08-14-13], 13H0569-02[MW-06\_08-14-13], B079053-BLK1, B079053-BS1

**SW-846 8260C**

**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

**Analyte & Samples(s) Qualified:**

**1,2,3-Trichlorobenzene, Naphthalene**

B079321-BS1, B079321-BSD1, B079321-MS1, B079321-MSD1, S004572-CCV1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:**

**Chloromethane**

13H0569-01[MW-04\_08-14-13], 13H0569-02[MW-06\_08-14-13], 13H0569-03[FB-02\_08-14-13], 13H0569-04[TB-03\_08-14-13], 13H0569-05[FD-01\_08-14-13], B079226-BLK1, B079226-BS1, B079226-BSD1, B079321-BLK1, B079321-BS1, B079321-BSD1, B079321-MS1, B079321-MSD1, S004570-CCV1, S004572-CCV1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

**Analyte & Samples(s) Qualified:**

**1,2,3-Trichlorobenzene, Bromomethane, Naphthalene**

B079226-BSD1, B079226-BS1

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

**Analyte & Samples(s) Qualified:**

**2,2-Dichloropropane, Bromomethane, Dichlorodifluoromethane (Freon 12)**

13H0569-02[MW-06\_08-14-13], B079321-MS1, B079321-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

**Analyte & Samples(s) Qualified:**

**Chloromethane**

13H0569-02[MW-06\_08-14-13], B079321-MS1, B079321-MSD1

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

**Analyte & Samples(s) Qualified:**

**1,2,3-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Naphthalene, tert-Butyl Alcohol (TBA)**

13H0569-02[MW-06\_08-14-13], B079321-MS1, B079321-MSD1

Elevated reporting limit due to high concentration of target compounds.

**Analyte & Samples(s) Qualified:**

13H0569-01[MW-04\_08-14-13], 13H0569-05[FD-01\_08-14-13]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

**Analyte & Samples(s) Qualified:**

**Bromomethane, Chloromethane**

13H0569-01[MW-04\_08-14-13], 13H0569-03[FB-02\_08-14-13], 13H0569-04[TB-03\_08-14-13], 13H0569-05[FD-01\_08-14-13], B079226-BLK1, B079226-BS1, B079226-BSD1, S004570-CCV1, 13H0569-02[MW-06\_08-14-13], B079321-BLK1, B079321-BS1, B079321-BSD1, B079321-MS1, B079321-MSD1, S004572-CCV1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

**Analyte & Samples(s) Qualified:**

**1,4-Dioxane, tert-Butyl Alcohol (TBA)**

13H0569-01[MW-04\_08-14-13], 13H0569-02[MW-06\_08-14-13], 13H0569-03[FB-02\_08-14-13], 13H0569-04[TB-03\_08-14-13], 13H0569-05[FD-01\_08-14-13], B079226-BLK1, B079226-BS1, B079226-BSD1, B079321-BLK1, B079321-BS1, B079321-BSD1, B079321-MS1, B079321-MSD1, S004570-CCV1, S004572-CCV1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

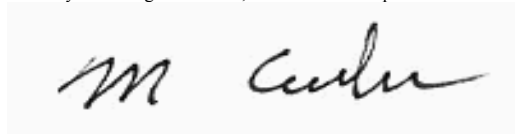
**Analyte & Samples(s) Qualified:**

**1,2,3-Trichlorobenzene, Bromomethane, Naphthalene**

B079226-BS1, B079226-BSD1, B079321-BS1, B079321-BSD1, B079321-MS1, B079321-MSD1, S004570-CCV1, S004572-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson  
Laboratory Director

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-04\_08-14-13

Sampled: 8/14/2013 09:20

Sample ID: 13H0569-01

Sample Matrix: Ground Water

Sample Flags: RL-11

## Volatile Organic Compounds by GC/MS

| Analyte                            | Results | RL    | Units | Dilution | Flag       | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|-------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone                            | ND      | 12000 | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Acrylonitrile                      | ND      | 1200  | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| tert-Amyl Methyl Ether (TAME)      | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Benzene                            | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Bromobenzene                       | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Bromochloromethane                 | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Bromodichloromethane               | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Bromoform                          | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Bromomethane                       | ND      | 500   | µg/L  | 250      | V-05       | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 2-Butanone (MEK)                   | ND      | 5000  | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| tert-Butyl Alcohol (TBA)           | ND      | 5000  | µg/L  | 250      | V-16       | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| n-Butylbenzene                     | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| sec-Butylbenzene                   | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| tert-Butylbenzene                  | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| tert-Butyl Ethyl Ether (TBEE)      | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Carbon Disulfide                   | ND      | 1000  | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Carbon Tetrachloride               | ND      | 1200  | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Chlorobenzene                      | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Chlorodibromomethane               | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Chloroethane                       | ND      | 500   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Chloroform                         | ND      | 500   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Chloromethane                      | ND      | 500   | µg/L  | 250      | L-04, V-05 | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 2-Chlorotoluene                    | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 4-Chlorotoluene                    | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND      | 1200  | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2-Dibromoethane (EDB)            | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Dibromomethane                     | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2-Dichlorobenzene                | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,3-Dichlorobenzene                | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,4-Dichlorobenzene                | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| trans-1,4-Dichloro-2-butene        | ND      | 500   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Dichlorodifluoromethane (Freon 12) | ND      | 500   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1-Dichloroethane                 | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2-Dichloroethane                 | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1-Dichloroethylene               | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| cis-1,2-Dichloroethylene           | 15000   | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| trans-1,2-Dichloroethylene         | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2-Dichloropropane                | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,3-Dichloropropane                | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 2,2-Dichloropropane                | ND      | 250   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1-Dichloropropene                | ND      | 500   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| cis-1,3-Dichloropropene            | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| trans-1,3-Dichloropropene          | ND      | 120   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Diethyl Ether                      | ND      | 500   | µg/L  | 250      |            | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-04\_08-14-13

Sampled: 8/14/2013 09:20

Sample ID: 13H0569-01

Sample Matrix: Ground Water

Sample Flags: RL-11

## Volatile Organic Compounds by GC/MS

| Analyte                                           | Results | RL    | Units | Dilution | Flag | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|---------------------------------------------------|---------|-------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diisopropyl Ether (DIPE)                          | ND      | 120   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,4-Dioxane                                       | ND      | 12000 | µg/L  | 250      | V-16 | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Ethylbenzene                                      | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Hexachlorobutadiene                               | ND      | 120   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 2-Hexanone (MBK)                                  | ND      | 2500  | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Isopropylbenzene (Cumene)                         | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| p-Isopropyltoluene (p-Cymene)                     | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Methylene Chloride                                | ND      | 1200  | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 2500  | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Naphthalene                                       | ND      | 500   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| n-Propylbenzene                                   | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Styrene                                           | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1,1,2-Tetrachloroethane                         | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 120   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Tetrachloroethylene                               | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Tetrahydrofuran                                   | ND      | 2500  | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Toluene                                           | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2,3-Trichlorobenzene                            | ND      | 1200  | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2,4-Trichlorobenzene                            | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,3,5-Trichlorobenzene                            | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1,1-Trichloroethane                             | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1,2-Trichloroethane                             | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Trichloroethylene                                 | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 500   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2,3-Trichloropropane                            | ND      | 500   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,2,4-Trimethylbenzene                            | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| 1,3,5-Trimethylbenzene                            | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| Vinyl Chloride                                    | 3500    | 500   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| m+p Xylene                                        | ND      | 500   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |
| o-Xylene                                          | ND      | 250   | µg/L  | 250      |      | SW-846 8260C | 8/21/13       | 8/21/13 13:07      | EEH     |

| Surrogates            | % Recovery | Recovery Limits | Flag          |
|-----------------------|------------|-----------------|---------------|
| 1,2-Dichloroethane-d4 | 91.9       | 70-130          | 8/21/13 13:07 |
| Toluene-d8            | 99.3       | 70-130          | 8/21/13 13:07 |
| 4-Bromofluorobenzene  | 104        | 70-130          | 8/21/13 13:07 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-04\_08-14-13

Sampled: 8/14/2013 09:20

Sample ID: 13H0569-01

Sample Matrix: Ground Water

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**Metals Analyses (Total)**

| Analyte | Results | RL    | Units | Dilution | Flag | Method       | Date<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|---------|-------|-------|----------|------|--------------|------------------|-----------------------|---------|
| Iron    | 3.4     | 0.050 | mg/L  | 1        |      | SW-846 6010C | 8/20/13          | 8/20/13 14:40         | OP      |

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Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-04\_08-14-13

Sampled: 8/14/2013 09:20

Sample ID: 13H0569-01

Sample Matrix: Ground Water

## Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

| Analyte              | Results | RL    | Units    | Dilution | Flag | Method              | Date Prepared | Date/Time Analyzed | Analyst |
|----------------------|---------|-------|----------|----------|------|---------------------|---------------|--------------------|---------|
| Alkalinity           | 540     | 1.0   | mg/L     | 1        |      | SM18-20 2320B       | 8/16/13       | 8/16/13 11:00      | VAK     |
| Chloride             | 150     | 5.0   | mg/L     | 5        |      | SM18-20 4500 CL B   | 8/21/13       | 8/21/13 13:10      | VAK     |
| Ferrous Iron         | 1.4     | 0.40  | mg/L     | 2        |      | SM18-20 3500 Fe D   | 8/19/13       | 8/19/13 14:45      | VLA     |
| Nitrate as N         | ND      | 0.050 | mg/L     | 1        |      | SM 18-20 4500 NO3 F | 8/19/13       | 8/19/13 9:58       | VAK     |
| Nitrite as N         | ND      | 0.010 | mg/L     | 1        |      | SM 18-20 4500 NO2 B | 8/15/13       | 8/15/13 11:20      | VAK     |
| Specific conductance | 1300    | 2.0   | µmhos/cm | 1        |      | SM18-20 2510B       | 8/16/13       | 8/16/13 12:15      | CM      |
| Sulfate              | 78      | 8.0   | mg/L     | 4        |      | ASTM D516-90, 02    | 8/22/13       | 8/22/13 18:30      | VLA     |
| Sulfide              | ND      | 2.0   | mg/L     | 1        | L-03 | SM18-20 4500S-E     | 8/19/13       | 8/19/13 16:16      | DJM     |
| Total Organic Carbon | 18      | 1.0   | mg/L     | 1        |      | SM 5310B            | 8/19/13       | 8/19/13 8:22       | LL      |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-06\_08-14-13

Sampled: 8/14/2013 10:50

Sample ID: 13H0569-02

Sample Matrix: Ground Water

## Volatile Organic Compounds by GC/MS

| Analyte                            | Results | RL    | Units | Dilution | Flag              | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|-------|-------|----------|-------------------|--------------|---------------|--------------------|---------|
| Acetone                            | ND      | 25000 | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Acrylonitrile                      | ND      | 2500  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| tert-Amyl Methyl Ether (TAME)      | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Benzene                            | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Bromobenzene                       | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Bromochloromethane                 | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Bromodichloromethane               | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Bromoform                          | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Bromomethane                       | ND      | 1000  | µg/L  | 500      | MS-07A            | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 2-Butanone (MEK)                   | ND      | 10000 | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| tert-Butyl Alcohol (TBA)           | ND      | 10000 | µg/L  | 500      | MS-15, V-16       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| n-Butylbenzene                     | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| sec-Butylbenzene                   | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| tert-Butylbenzene                  | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| tert-Butyl Ethyl Ether (TBEE)      | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Carbon Disulfide                   | ND      | 2000  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Carbon Tetrachloride               | ND      | 2500  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Chlorobenzene                      | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Chlorodibromomethane               | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Chloroethane                       | ND      | 1000  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Chloroform                         | ND      | 1000  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Chloromethane                      | ND      | 1000  | µg/L  | 500      | L-04, MS-09, V-05 | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 2-Chlorotoluene                    | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 4-Chlorotoluene                    | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND      | 2500  | µg/L  | 500      | MS-15             | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2-Dibromoethane (EDB)            | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Dibromomethane                     | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2-Dichlorobenzene                | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,3-Dichlorobenzene                | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,4-Dichlorobenzene                | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| trans-1,4-Dichloro-2-butene        | ND      | 1000  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Dichlorodifluoromethane (Freon 12) | ND      | 1000  | µg/L  | 500      | MS-07A            | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1-Dichloroethane                 | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2-Dichloroethane                 | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1-Dichloroethylene               | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| cis-1,2-Dichloroethylene           | 22000   | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| trans-1,2-Dichloroethylene         | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2-Dichloropropane                | ND      | 500   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,3-Dichloropropane                | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 2,2-Dichloropropane                | ND      | 500   | µg/L  | 500      | MS-07A            | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1-Dichloropropene                | ND      | 1000  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| cis-1,3-Dichloropropene            | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| trans-1,3-Dichloropropene          | ND      | 250   | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Diethyl Ether                      | ND      | 1000  | µg/L  | 500      |                   | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-06\_08-14-13

Sampled: 8/14/2013 10:50

Sample ID: 13H0569-02

Sample Matrix: Ground Water

## Volatile Organic Compounds by GC/MS

| Analyte                                           | Results | RL    | Units | Dilution | Flag  | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|---------------------------------------------------|---------|-------|-------|----------|-------|--------------|---------------|--------------------|---------|
| Diisopropyl Ether (DIPE)                          | ND      | 250   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,4-Dioxane                                       | ND      | 25000 | µg/L  | 500      | V-16  | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Ethylbenzene                                      | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Hexachlorobutadiene                               | ND      | 250   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 2-Hexanone (MBK)                                  | ND      | 5000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Isopropylbenzene (Cumene)                         | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| p-Isopropyltoluene (p-Cymene)                     | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Methylene Chloride                                | ND      | 2500  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 5000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Naphthalene                                       | ND      | 1000  | µg/L  | 500      | MS-15 | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| n-Propylbenzene                                   | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Styrene                                           | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1,1,2-Tetrachloroethane                         | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 250   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Tetrachloroethylene                               | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Tetrahydrofuran                                   | ND      | 5000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Toluene                                           | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2,3-Trichlorobenzene                            | ND      | 2500  | µg/L  | 500      | MS-15 | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2,4-Trichlorobenzene                            | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,3,5-Trichlorobenzene                            | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1,1-Trichloroethane                             | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1,2-Trichloroethane                             | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Trichloroethylene                                 | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 1000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2,3-Trichloropropane                            | ND      | 1000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,2,4-Trimethylbenzene                            | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| 1,3,5-Trimethylbenzene                            | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| Vinyl Chloride                                    | ND      | 1000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| m+p Xylene                                        | ND      | 1000  | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |
| o-Xylene                                          | ND      | 500   | µg/L  | 500      |       | SW-846 8260C | 8/22/13       | 8/22/13 13:15      | EEH     |

| Surrogates            | % Recovery | Recovery Limits | Flag          |
|-----------------------|------------|-----------------|---------------|
| 1,2-Dichloroethane-d4 | 96.2       | 70-130          | 8/22/13 13:15 |
| Toluene-d8            | 97.8       | 70-130          | 8/22/13 13:15 |
| 4-Bromofluorobenzene  | 98.9       | 70-130          | 8/22/13 13:15 |



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-06\_08-14-13

Sampled: 8/14/2013 10:50

Sample ID: 13H0569-02

Sample Matrix: Ground Water

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**Metals Analyses (Total)**

| Analyte | Results | RL    | Units | Dilution | Flag | Method       | Date<br>Prepared | Date/Time<br>Analyzed | Analyst |
|---------|---------|-------|-------|----------|------|--------------|------------------|-----------------------|---------|
| Iron    | 0.27    | 0.050 | mg/L  | 1        |      | SW-846 6010C | 8/20/13          | 8/20/13 13:23         | OP      |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: MW-06\_08-14-13

Sampled: 8/14/2013 10:50

Sample ID: 13H0569-02

Sample Matrix: Ground Water

## Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

| Analyte              | Results | RL    | Units    | Dilution | Flag | Method              | Date Prepared | Date/Time Analyzed | Analyst |
|----------------------|---------|-------|----------|----------|------|---------------------|---------------|--------------------|---------|
| Alkalinity           | 380     | 1.0   | mg/L     | 1        |      | SM18-20 2320B       | 8/16/13       | 8/16/13 11:00      | VAK     |
| Chloride             | 150     | 5.0   | mg/L     | 5        |      | SM18-20 4500 CL B   | 8/21/13       | 8/21/13 13:10      | VAK     |
| Ferrous Iron         | ND      | 0.20  | mg/L     | 1        |      | SM18-20 3500 Fe D   | 8/19/13       | 8/19/13 14:45      | VLA     |
| Nitrate as N         | ND      | 0.050 | mg/L     | 1        |      | SM 18-20 4500 NO3 F | 8/19/13       | 8/19/13 9:58       | VAK     |
| Nitrite as N         | ND      | 0.010 | mg/L     | 1        |      | SM 18-20 4500 NO2 B | 8/15/13       | 8/15/13 11:20      | VAK     |
| Specific conductance | 1200    | 2.0   | µmhos/cm | 1        |      | SM18-20 2510B       | 8/16/13       | 8/16/13 12:15      | CM      |
| Sulfate              | 82      | 8.0   | mg/L     | 4        |      | ASTM D516-90, 02    | 8/22/13       | 8/22/13 18:30      | VLA     |
| Sulfide              | ND      | 2.0   | mg/L     | 1        | L-03 | SM18-20 4500S-E     | 8/19/13       | 8/19/13 16:16      | DJM     |
| Total Organic Carbon | 14      | 1.0   | mg/L     | 1        |      | SM 5310B            | 8/19/13       | 8/19/13 8:22       | LL      |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: FB-02\_08-14-13

Sampled: 8/14/2013 10:10

Sample ID: 13H0569-03

Sample Matrix: Ground Water

## Volatile Organic Compounds by GC/MS

| Analyte                            | Results | RL   | Units | Dilution | Flag       | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone                            | ND      | 50   | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Acrylonitrile                      | ND      | 5.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| tert-Amyl Methyl Ether (TAME)      | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Benzene                            | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Bromobenzene                       | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Bromochloromethane                 | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Bromodichloromethane               | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Bromoform                          | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Bromomethane                       | ND      | 2.0  | µg/L  | 1        | V-05       | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 2-Butanone (MEK)                   | ND      | 20   | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| tert-Butyl Alcohol (TBA)           | ND      | 20   | µg/L  | 1        | V-16       | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| n-Butylbenzene                     | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| sec-Butylbenzene                   | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| tert-Butylbenzene                  | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| tert-Butyl Ethyl Ether (TBEE)      | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Carbon Disulfide                   | ND      | 4.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Carbon Tetrachloride               | ND      | 5.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Chlorobenzene                      | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Chlorodibromomethane               | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Chloroethane                       | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Chloroform                         | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Chloromethane                      | ND      | 2.0  | µg/L  | 1        | L-04, V-05 | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 2-Chlorotoluene                    | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 4-Chlorotoluene                    | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND      | 5.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2-Dibromoethane (EDB)            | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Dibromomethane                     | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2-Dichlorobenzene                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,3-Dichlorobenzene                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,4-Dichlorobenzene                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| trans-1,4-Dichloro-2-butene        | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Dichlorodifluoromethane (Freon 12) | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1-Dichloroethane                 | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2-Dichloroethane                 | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1-Dichloroethylene               | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| cis-1,2-Dichloroethylene           | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| trans-1,2-Dichloroethylene         | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2-Dichloropropane                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,3-Dichloropropane                | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 2,2-Dichloropropane                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1-Dichloropropene                | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| cis-1,3-Dichloropropene            | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| trans-1,3-Dichloropropene          | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Diethyl Ether                      | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: FB-02\_08-14-13

Sampled: 8/14/2013 10:10

Sample ID: 13H0569-03

Sample Matrix: Ground Water

## Volatile Organic Compounds by GC/MS

| Analyte                                           | Results | RL   | Units | Dilution | Flag | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|---------------------------------------------------|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diisopropyl Ether (DIPE)                          | ND      | 0.50 | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,4-Dioxane                                       | ND      | 50   | µg/L  | 1        | V-16 | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Ethylbenzene                                      | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Hexachlorobutadiene                               | ND      | 0.50 | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 2-Hexanone (MBK)                                  | ND      | 10   | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Isopropylbenzene (Cumene)                         | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| p-Isopropyltoluene (p-Cymene)                     | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Methylene Chloride                                | ND      | 5.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 10   | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Naphthalene                                       | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| n-Propylbenzene                                   | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Styrene                                           | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1,1,2-Tetrachloroethane                         | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 0.50 | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Tetrachloroethylene                               | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Tetrahydrofuran                                   | ND      | 10   | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Toluene                                           | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2,3-Trichlorobenzene                            | ND      | 5.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2,4-Trichlorobenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,3,5-Trichlorobenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1,1-Trichloroethane                             | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1,2-Trichloroethane                             | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Trichloroethylene                                 | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2,3-Trichloropropane                            | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,2,4-Trimethylbenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| 1,3,5-Trimethylbenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| Vinyl Chloride                                    | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| m+p Xylene                                        | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |
| o-Xylene                                          | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 11:48      | EEH     |

| Surrogates            | % Recovery | Recovery Limits | Flag          |
|-----------------------|------------|-----------------|---------------|
| 1,2-Dichloroethane-d4 | 90.7       | 70-130          | 8/21/13 11:48 |
| Toluene-d8            | 97.6       | 70-130          | 8/21/13 11:48 |
| 4-Bromofluorobenzene  | 101        | 70-130          | 8/21/13 11:48 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: TB-03\_08-14-13

Sampled: 8/14/2013 10:05

Sample ID: 13H0569-04

Sample Matrix: Trip Blank Water

## Volatile Organic Compounds by GC/MS

| Analyte                            | Results | RL   | Units | Dilution | Flag       | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone                            | ND      | 50   | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Acrylonitrile                      | ND      | 5.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| tert-Amyl Methyl Ether (TAME)      | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Benzene                            | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Bromobenzene                       | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Bromochloromethane                 | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Bromodichloromethane               | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Bromoform                          | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Bromomethane                       | ND      | 2.0  | µg/L  | 1        | V-05       | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 2-Butanone (MEK)                   | ND      | 20   | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| tert-Butyl Alcohol (TBA)           | ND      | 20   | µg/L  | 1        | V-16       | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| n-Butylbenzene                     | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| sec-Butylbenzene                   | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| tert-Butylbenzene                  | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| tert-Butyl Ethyl Ether (TBEE)      | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Carbon Disulfide                   | ND      | 4.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Carbon Tetrachloride               | ND      | 5.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Chlorobenzene                      | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Chlorodibromomethane               | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Chloroethane                       | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Chloroform                         | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Chloromethane                      | ND      | 2.0  | µg/L  | 1        | L-04, V-05 | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 2-Chlorotoluene                    | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 4-Chlorotoluene                    | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND      | 5.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2-Dibromoethane (EDB)            | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Dibromomethane                     | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2-Dichlorobenzene                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,3-Dichlorobenzene                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,4-Dichlorobenzene                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| trans-1,4-Dichloro-2-butene        | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Dichlorodifluoromethane (Freon 12) | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1-Dichloroethane                 | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2-Dichloroethane                 | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1-Dichloroethylene               | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| cis-1,2-Dichloroethylene           | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| trans-1,2-Dichloroethylene         | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2-Dichloropropane                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,3-Dichloropropane                | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 2,2-Dichloropropane                | ND      | 1.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1-Dichloropropene                | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| cis-1,3-Dichloropropene            | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| trans-1,3-Dichloropropene          | ND      | 0.50 | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Diethyl Ether                      | ND      | 2.0  | µg/L  | 1        |            | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: TB-03\_08-14-13

Sampled: 8/14/2013 10:05

Sample ID: 13H0569-04

Sample Matrix: Trip Blank Water

## Volatile Organic Compounds by GC/MS

| Analyte                                           | Results | RL   | Units | Dilution | Flag | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|---------------------------------------------------|---------|------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diisopropyl Ether (DIPE)                          | ND      | 0.50 | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,4-Dioxane                                       | ND      | 50   | µg/L  | 1        | V-16 | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Ethylbenzene                                      | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Hexachlorobutadiene                               | ND      | 0.50 | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 2-Hexanone (MBK)                                  | ND      | 10   | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Isopropylbenzene (Cumene)                         | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| p-Isopropyltoluene (p-Cymene)                     | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Methylene Chloride                                | ND      | 5.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 10   | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Naphthalene                                       | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| n-Propylbenzene                                   | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Styrene                                           | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1,1,2-Tetrachloroethane                         | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 0.50 | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Tetrachloroethylene                               | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Tetrahydrofuran                                   | ND      | 10   | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Toluene                                           | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2,3-Trichlorobenzene                            | ND      | 5.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2,4-Trichlorobenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,3,5-Trichlorobenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1,1-Trichloroethane                             | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1,2-Trichloroethane                             | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Trichloroethylene                                 | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2,3-Trichloropropane                            | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,2,4-Trimethylbenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| 1,3,5-Trimethylbenzene                            | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| Vinyl Chloride                                    | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| m+p Xylene                                        | ND      | 2.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |
| o-Xylene                                          | ND      | 1.0  | µg/L  | 1        |      | SW-846 8260C | 8/21/13       | 8/21/13 12:14      | EEH     |

| Surrogates            | % Recovery | Recovery Limits | Flag          |
|-----------------------|------------|-----------------|---------------|
| 1,2-Dichloroethane-d4 | 93.2       | 70-130          | 8/21/13 12:14 |
| Toluene-d8            | 99.5       | 70-130          | 8/21/13 12:14 |
| 4-Bromofluorobenzene  | 103        | 70-130          | 8/21/13 12:14 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: FD-01\_08-14-13

Sampled: 8/14/2013 00:00

Sample ID: 13H0569-05

Sample Matrix: Ground Water

Sample Flags: RL-11

## Volatile Organic Compounds by GC/MS

| Analyte                            | Results | RL    | Units | Dilution | Flag       | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|------------------------------------|---------|-------|-------|----------|------------|--------------|---------------|--------------------|---------|
| Acetone                            | ND      | 25000 | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Acrylonitrile                      | ND      | 2500  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| tert-Amyl Methyl Ether (TAME)      | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Benzene                            | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Bromobenzene                       | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Bromochloromethane                 | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Bromodichloromethane               | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Bromoform                          | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Bromomethane                       | ND      | 1000  | µg/L  | 500      | V-05       | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 2-Butanone (MEK)                   | ND      | 10000 | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| tert-Butyl Alcohol (TBA)           | ND      | 10000 | µg/L  | 500      | V-16       | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| n-Butylbenzene                     | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| sec-Butylbenzene                   | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| tert-Butylbenzene                  | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| tert-Butyl Ethyl Ether (TBEE)      | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Carbon Disulfide                   | ND      | 2000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Carbon Tetrachloride               | ND      | 2500  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Chlorobenzene                      | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Chlorodibromomethane               | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Chloroethane                       | ND      | 1000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Chloroform                         | ND      | 1000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Chloromethane                      | ND      | 1000  | µg/L  | 500      | L-04, V-05 | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 2-Chlorotoluene                    | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 4-Chlorotoluene                    | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND      | 2500  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2-Dibromoethane (EDB)            | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Dibromomethane                     | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2-Dichlorobenzene                | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,3-Dichlorobenzene                | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,4-Dichlorobenzene                | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| trans-1,4-Dichloro-2-butene        | ND      | 1000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Dichlorodifluoromethane (Freon 12) | ND      | 1000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1-Dichloroethane                 | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2-Dichloroethane                 | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1-Dichloroethylene               | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| cis-1,2-Dichloroethylene           | 23000   | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| trans-1,2-Dichloroethylene         | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2-Dichloropropane                | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,3-Dichloropropane                | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 2,2-Dichloropropane                | ND      | 500   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1-Dichloropropene                | ND      | 1000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| cis-1,3-Dichloropropene            | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| trans-1,3-Dichloropropene          | ND      | 250   | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Diethyl Ether                      | ND      | 1000  | µg/L  | 500      |            | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Buffalo, NY

Sample Description:

Work Order: 13H0569

Date Received: 8/15/2013

Field Sample #: FD-01\_08-14-13

Sampled: 8/14/2013 00:00

Sample ID: 13H0569-05

Sample Matrix: Ground Water

Sample Flags: RL-11

## Volatile Organic Compounds by GC/MS

| Analyte                                           | Results | RL    | Units | Dilution | Flag | Method       | Date Prepared | Date/Time Analyzed | Analyst |
|---------------------------------------------------|---------|-------|-------|----------|------|--------------|---------------|--------------------|---------|
| Diisopropyl Ether (DIPE)                          | ND      | 250   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,4-Dioxane                                       | ND      | 25000 | µg/L  | 500      | V-16 | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Ethylbenzene                                      | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Hexachlorobutadiene                               | ND      | 250   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 2-Hexanone (MBK)                                  | ND      | 5000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Isopropylbenzene (Cumene)                         | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| p-Isopropyltoluene (p-Cymene)                     | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Methyl tert-Butyl Ether (MTBE)                    | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Methylene Chloride                                | ND      | 2500  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 4-Methyl-2-pentanone (MIBK)                       | ND      | 5000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Naphthalene                                       | ND      | 1000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| n-Propylbenzene                                   | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Styrene                                           | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1,1,2-Tetrachloroethane                         | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1,2,2-Tetrachloroethane                         | ND      | 250   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Tetrachloroethylene                               | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Tetrahydrofuran                                   | ND      | 5000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Toluene                                           | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2,3-Trichlorobenzene                            | ND      | 2500  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2,4-Trichlorobenzene                            | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,3,5-Trichlorobenzene                            | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1,1-Trichloroethane                             | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1,2-Trichloroethane                             | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Trichloroethylene                                 | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Trichlorofluoromethane (Freon 11)                 | ND      | 1000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2,3-Trichloropropane                            | ND      | 1000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,2,4-Trimethylbenzene                            | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| 1,3,5-Trimethylbenzene                            | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| Vinyl Chloride                                    | ND      | 1000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| m+p Xylene                                        | ND      | 1000  | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |
| o-Xylene                                          | ND      | 500   | µg/L  | 500      |      | SW-846 8260C | 8/21/13       | 8/21/13 14:07      | EEH     |

| Surrogates            | % Recovery | Recovery Limits | Flag          |
|-----------------------|------------|-----------------|---------------|
| 1,2-Dichloroethane-d4 | 92.6       | 70-130          | 8/21/13 14:07 |
| Toluene-d8            | 101        | 70-130          | 8/21/13 14:07 |
| 4-Bromofluorobenzene  | 101        | 70-130          | 8/21/13 14:07 |



**Sample Extraction Data****ASTM D516-90, 02**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079386 | 25.0         | 100        | 08/22/13 |
| 13H0569-02 [MW-06_08-14-13] | B079386 | 25.0         | 100        | 08/22/13 |

**SM 18-20 4500 NO2 B**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B078867 | 50.0         | 50.0       | 08/15/13 |
| 13H0569-02 [MW-06_08-14-13] | B078867 | 50.0         | 50.0       | 08/15/13 |

**Prep Method: SM 4500 NO3-F-SM 18-20 4500 NO3 F**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079065 | 25.0         | 25.0       | 08/19/13 |
| 13H0569-02 [MW-06_08-14-13] | B079065 | 25.0         | 25.0       | 08/19/13 |

**SM 5310B**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079021 | 50.0         | 50.0       | 08/19/13 |
| 13H0569-02 [MW-06_08-14-13] | B079021 | 50.0         | 50.0       | 08/19/13 |

**SM18-20 2320B**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B078962 | 100          | 100        | 08/16/13 |
| 13H0569-02 [MW-06_08-14-13] | B078962 | 100          | 100        | 08/16/13 |

**SM18-20 2510B**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B078961 | 100          | 100        | 08/16/13 |
| 13H0569-02 [MW-06_08-14-13] | B078961 | 100          | 100        | 08/16/13 |

**SM18-20 3500 Fe D**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079077 | 50.0         | 50.0       | 08/19/13 |
| 13H0569-02 [MW-06_08-14-13] | B079077 | 50.0         | 50.0       | 08/19/13 |

**SM18-20 4500 CL B**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079056 | 100          | 100        | 08/21/13 |
| 13H0569-02 [MW-06_08-14-13] | B079056 | 100          | 100        | 08/21/13 |

**Sample Extraction Data****SM18-20 4500S-E**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079053 | 100          | 100        | 08/19/13 |
| 13H0569-02 [MW-06_08-14-13] | B079053 | 100          | 100        | 08/19/13 |

**Prep Method: SW-846 3005A-SW-846 6010C**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079102 | 50.0         | 50.0       | 08/20/13 |
| 13H0569-02 [MW-06_08-14-13] | B079102 | 50.0         | 50.0       | 08/20/13 |

**Prep Method: SW-846 5030B-SW-846 8260C**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-01 [MW-04_08-14-13] | B079226 | 0.02         | 5.00       | 08/21/13 |
| 13H0569-03 [FB-02_08-14-13] | B079226 | 5            | 5.00       | 08/21/13 |
| 13H0569-04 [TB-03_08-14-13] | B079226 | 5            | 5.00       | 08/21/13 |
| 13H0569-05 [FD-01_08-14-13] | B079226 | 0.01         | 5.00       | 08/21/13 |

**Prep Method: SW-846 5030B-SW-846 8260C**

| Lab Number [Field ID]       | Batch   | Initial [mL] | Final [mL] | Date     |
|-----------------------------|---------|--------------|------------|----------|
| 13H0569-02 [MW-06_08-14-13] | B079321 | 0.01         | 5.00       | 08/22/13 |

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                             | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes      |
|-------------------------------------|--------|-----------------|-------|-------------------------------|---------------|------|-------------|-----|-----------|------------|
| <b>Batch B079226 - SW-846 5030B</b> |        |                 |       |                               |               |      |             |     |           |            |
| <b>Blank (B079226-BLK1)</b>         |        |                 |       | Prepared & Analyzed: 08/21/13 |               |      |             |     |           |            |
| Acetone                             | ND     | 50              | µg/L  |                               |               |      |             |     |           |            |
| Acrylonitrile                       | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| tert-Amyl Methyl Ether (TAME)       | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Benzene                             | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Bromobenzene                        | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Bromochloromethane                  | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Bromodichloromethane                | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Bromoform                           | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Bromomethane                        | ND     | 2.0             | µg/L  |                               |               |      |             |     |           | V-05       |
| 2-Butanone (MEK)                    | ND     | 20              | µg/L  |                               |               |      |             |     |           |            |
| tert-Butyl Alcohol (TBA)            | ND     | 20              | µg/L  |                               |               |      |             |     |           | V-16       |
| n-Butylbenzene                      | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| sec-Butylbenzene                    | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| tert-Butylbenzene                   | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| tert-Butyl Ethyl Ether (TBEE)       | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Carbon Disulfide                    | ND     | 4.0             | µg/L  |                               |               |      |             |     |           |            |
| Carbon Tetrachloride                | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| Chlorobenzene                       | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Chlorodibromomethane                | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Chloroethane                        | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Chloroform                          | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Chloromethane                       | ND     | 2.0             | µg/L  |                               |               |      |             |     |           | L-04, V-05 |
| 2-Chlorotoluene                     | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 4-Chlorotoluene                     | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dibromo-3-chloropropane (DBCP)  | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dibromoethane (EDB)             | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Dibromomethane                      | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dichlorobenzene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,3-Dichlorobenzene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,4-Dichlorobenzene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| trans-1,4-Dichloro-2-butene         | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Dichlorodifluoromethane (Freon 12)  | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1-Dichloroethane                  | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dichloroethane                  | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1-Dichloroethylene                | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| cis-1,2-Dichloroethylene            | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| trans-1,2-Dichloroethylene          | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dichloropropane                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,3-Dichloropropane                 | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| 2,2-Dichloropropane                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1-Dichloropropene                 | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| cis-1,3-Dichloropropene             | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| trans-1,3-Dichloropropene           | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Diethyl Ether                       | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Diisopropyl Ether (DIPE)            | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| 1,4-Dioxane                         | ND     | 50              | µg/L  |                               |               |      |             |     |           | V-16       |
| Ethylbenzene                        | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Hexachlorobutadiene                 | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| 2-Hexanone (MBK)                    | ND     | 10              | µg/L  |                               |               |      |             |     |           |            |
| Isopropylbenzene (Cumene)           | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| p-Isopropyltoluene (p-Cymene)       | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Methyl tert-Butyl Ether (MTBE)      | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |

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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source Result | %REC        | %REC Limits | RPD | RPD Limit | Notes        |
|---------------------------------------------------|--------|-----------------|-------|-------------|---------------|-------------|-------------|-----|-----------|--------------|
| <b>Batch B079226 - SW-846 5030B</b>               |        |                 |       |             |               |             |             |     |           |              |
| <b>Blank (B079226-BLK1)</b>                       |        |                 |       |             |               |             |             |     |           |              |
| Prepared & Analyzed: 08/21/13                     |        |                 |       |             |               |             |             |     |           |              |
| Methylene Chloride                                | ND     | 5.0             | µg/L  |             |               |             |             |     |           |              |
| 4-Methyl-2-pentanone (MIBK)                       | ND     | 10              | µg/L  |             |               |             |             |     |           |              |
| Naphthalene                                       | ND     | 2.0             | µg/L  |             |               |             |             |     |           |              |
| n-Propylbenzene                                   | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| Styrene                                           | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,1,1,2-Tetrachloroethane                         | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,1,2,2-Tetrachloroethane                         | ND     | 0.50            | µg/L  |             |               |             |             |     |           |              |
| Tetrachloroethylene                               | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| Tetrahydrofuran                                   | ND     | 10              | µg/L  |             |               |             |             |     |           |              |
| Toluene                                           | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,2,3-Trichlorobenzene                            | ND     | 5.0             | µg/L  |             |               |             |             |     |           |              |
| 1,2,4-Trichlorobenzene                            | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,3,5-Trichlorobenzene                            | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,1,1-Trichloroethane                             | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,1,2-Trichloroethane                             | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| Trichloroethylene                                 | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| Trichlorofluoromethane (Freon 11)                 | ND     | 2.0             | µg/L  |             |               |             |             |     |           |              |
| 1,2,3-Trichloropropane                            | ND     | 2.0             | µg/L  |             |               |             |             |     |           |              |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,2,4-Trimethylbenzene                            | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| 1,3,5-Trimethylbenzene                            | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| Vinyl Chloride                                    | ND     | 2.0             | µg/L  |             |               |             |             |     |           |              |
| m+p Xylene                                        | ND     | 2.0             | µg/L  |             |               |             |             |     |           |              |
| o-Xylene                                          | ND     | 1.0             | µg/L  |             |               |             |             |     |           |              |
| Surrogate: 1,2-Dichloroethane-d4                  | 23.4   |                 | µg/L  | 25.0        |               | 93.7        | 70-130      |     |           |              |
| Surrogate: Toluene-d8                             | 25.3   |                 | µg/L  | 25.0        |               | 101         | 70-130      |     |           |              |
| Surrogate: 4-Bromofluorobenzene                   | 26.3   |                 | µg/L  | 25.0        |               | 105         | 70-130      |     |           |              |
| <b>LCS (B079226-BS1)</b>                          |        |                 |       |             |               |             |             |     |           |              |
| Prepared & Analyzed: 08/21/13                     |        |                 |       |             |               |             |             |     |           |              |
| Acetone                                           | 75.1   | 50              | µg/L  | 100         |               | 75.1        | 70-160      |     |           | †            |
| Acrylonitrile                                     | 10.4   | 5.0             | µg/L  | 10.0        |               | 104         | 70-130      |     |           |              |
| tert-Amyl Methyl Ether (TAME)                     | 10.4   | 0.50            | µg/L  | 10.0        |               | 104         | 70-130      |     |           |              |
| Benzene                                           | 9.38   | 1.0             | µg/L  | 10.0        |               | 93.8        | 70-130      |     |           |              |
| Bromobenzene                                      | 9.72   | 1.0             | µg/L  | 10.0        |               | 97.2        | 70-130      |     |           |              |
| Bromochloromethane                                | 10.4   | 1.0             | µg/L  | 10.0        |               | 104         | 70-130      |     |           |              |
| Bromodichloromethane                              | 9.61   | 0.50            | µg/L  | 10.0        |               | 96.1        | 70-130      |     |           |              |
| Bromoform                                         | 8.87   | 1.0             | µg/L  | 10.0        |               | 88.7        | 70-130      |     |           |              |
| <b>Bromomethane</b>                               | 3.90   | 2.0             | µg/L  | 10.0        |               | <b>39.0</b> | * 40-160    |     |           | L-07, V-05 † |
| 2-Butanone (MEK)                                  | 90.6   | 20              | µg/L  | 100         |               | 90.6        | 40-160      |     |           | †            |
| tert-Butyl Alcohol (TBA)                          | 118    | 20              | µg/L  | 100         |               | 118         | 40-160      |     |           | V-16 †       |
| n-Butylbenzene                                    | 9.49   | 1.0             | µg/L  | 10.0        |               | 94.9        | 70-130      |     |           |              |
| sec-Butylbenzene                                  | 9.80   | 1.0             | µg/L  | 10.0        |               | 98.0        | 70-130      |     |           |              |
| tert-Butylbenzene                                 | 9.08   | 1.0             | µg/L  | 10.0        |               | 90.8        | 70-130      |     |           |              |
| tert-Butyl Ethyl Ether (TBEE)                     | 10.6   | 0.50            | µg/L  | 10.0        |               | 106         | 70-130      |     |           |              |
| Carbon Disulfide                                  | 9.88   | 4.0             | µg/L  | 10.0        |               | 98.8        | 70-130      |     |           |              |
| Carbon Tetrachloride                              | 8.78   | 5.0             | µg/L  | 10.0        |               | 87.8        | 70-130      |     |           |              |
| Chlorobenzene                                     | 10.1   | 1.0             | µg/L  | 10.0        |               | 101         | 70-130      |     |           |              |
| Chlorodibromomethane                              | 9.47   | 0.50            | µg/L  | 10.0        |               | 94.7        | 70-130      |     |           |              |
| Chloroethane                                      | 8.15   | 2.0             | µg/L  | 10.0        |               | 81.5        | 70-130      |     |           |              |
| Chloroform                                        | 9.54   | 2.0             | µg/L  | 10.0        |               | 95.4        | 70-130      |     |           |              |
| <b>Chloromethane</b>                              | 2.68   | 2.0             | µg/L  | 10.0        |               | <b>26.8</b> | * 40-160    |     |           | L-04, V-05 † |
| 2-Chlorotoluene                                   | 9.82   | 1.0             | µg/L  | 10.0        |               | 98.2        | 70-130      |     |           |              |

## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes  |
|---------------------------------------------------|--------|-----------------|-------|-------------------------------|---------------|------|-------------|-----|-----------|--------|
| <b>Batch B079226 - SW-846 5030B</b>               |        |                 |       |                               |               |      |             |     |           |        |
| <b>LCS (B079226-BS1)</b>                          |        |                 |       | Prepared & Analyzed: 08/21/13 |               |      |             |     |           |        |
| 4-Chlorotoluene                                   | 10.6   | 1.0             | µg/L  | 10.0                          |               | 106  | 70-130      |     |           |        |
| 1,2-Dibromo-3-chloropropane (DBCP)                | 10.8   | 5.0             | µg/L  | 10.0                          |               | 108  | 70-130      |     |           |        |
| 1,2-Dibromoethane (EDB)                           | 10.4   | 0.50            | µg/L  | 10.0                          |               | 104  | 70-130      |     |           |        |
| Dibromomethane                                    | 10.1   | 1.0             | µg/L  | 10.0                          |               | 101  | 70-130      |     |           |        |
| 1,2-Dichlorobenzene                               | 9.84   | 1.0             | µg/L  | 10.0                          |               | 98.4 | 70-130      |     |           |        |
| 1,3-Dichlorobenzene                               | 9.75   | 1.0             | µg/L  | 10.0                          |               | 97.5 | 70-130      |     |           |        |
| 1,4-Dichlorobenzene                               | 8.93   | 1.0             | µg/L  | 10.0                          |               | 89.3 | 70-130      |     |           |        |
| trans-1,4-Dichloro-2-butene                       | 9.53   | 2.0             | µg/L  | 10.0                          |               | 95.3 | 70-130      |     |           |        |
| Dichlorodifluoromethane (Freon 12)                | 5.81   | 2.0             | µg/L  | 10.0                          |               | 58.1 | 40-160      |     |           | †      |
| 1,1-Dichloroethane                                | 10.2   | 1.0             | µg/L  | 10.0                          |               | 102  | 70-130      |     |           |        |
| 1,2-Dichloroethane                                | 8.34   | 1.0             | µg/L  | 10.0                          |               | 83.4 | 70-130      |     |           |        |
| 1,1-Dichloroethylene                              | 8.98   | 1.0             | µg/L  | 10.0                          |               | 89.8 | 70-130      |     |           |        |
| cis-1,2-Dichloroethylene                          | 8.84   | 1.0             | µg/L  | 10.0                          |               | 88.4 | 70-130      |     |           |        |
| trans-1,2-Dichloroethylene                        | 9.97   | 1.0             | µg/L  | 10.0                          |               | 99.7 | 70-130      |     |           |        |
| 1,2-Dichloropropane                               | 9.86   | 1.0             | µg/L  | 10.0                          |               | 98.6 | 70-130      |     |           |        |
| 1,3-Dichloropropane                               | 10.1   | 0.50            | µg/L  | 10.0                          |               | 101  | 70-130      |     |           |        |
| 2,2-Dichloropropane                               | 9.64   | 1.0             | µg/L  | 10.0                          |               | 96.4 | 40-130      |     |           | †      |
| 1,1-Dichloropropene                               | 9.03   | 2.0             | µg/L  | 10.0                          |               | 90.3 | 70-130      |     |           |        |
| cis-1,3-Dichloropropene                           | 9.90   | 0.50            | µg/L  | 10.0                          |               | 99.0 | 70-130      |     |           |        |
| trans-1,3-Dichloropropene                         | 10.5   | 0.50            | µg/L  | 10.0                          |               | 105  | 70-130      |     |           |        |
| Diethyl Ether                                     | 9.15   | 2.0             | µg/L  | 10.0                          |               | 91.5 | 70-130      |     |           |        |
| Diisopropyl Ether (DIPE)                          | 11.0   | 0.50            | µg/L  | 10.0                          |               | 110  | 70-130      |     |           |        |
| 1,4-Dioxane                                       | 97.0   | 50              | µg/L  | 100                           |               | 97.0 | 40-130      |     |           | V-16 † |
| Ethylbenzene                                      | 9.48   | 1.0             | µg/L  | 10.0                          |               | 94.8 | 70-130      |     |           |        |
| Hexachlorobutadiene                               | 9.54   | 0.50            | µg/L  | 10.0                          |               | 95.4 | 70-130      |     |           |        |
| 2-Hexanone (MBK)                                  | 95.1   | 10              | µg/L  | 100                           |               | 95.1 | 70-160      |     |           | †      |
| Isopropylbenzene (Cumene)                         | 9.88   | 1.0             | µg/L  | 10.0                          |               | 98.8 | 70-130      |     |           |        |
| p-Isopropyltoluene (p-Cymene)                     | 9.62   | 1.0             | µg/L  | 10.0                          |               | 96.2 | 70-130      |     |           |        |
| Methyl tert-Butyl Ether (MTBE)                    | 11.3   | 1.0             | µg/L  | 10.0                          |               | 113  | 70-130      |     |           |        |
| Methylene Chloride                                | 11.2   | 5.0             | µg/L  | 10.0                          |               | 112  | 70-130      |     |           |        |
| 4-Methyl-2-pentanone (MIBK)                       | 94.1   | 10              | µg/L  | 100                           |               | 94.1 | 70-160      |     |           | †      |
| Naphthalene                                       | 12.2   | 2.0             | µg/L  | 10.0                          |               | 122  | 40-130      |     |           | V-20 † |
| n-Propylbenzene                                   | 10.5   | 1.0             | µg/L  | 10.0                          |               | 105  | 70-130      |     |           |        |
| Styrene                                           | 9.85   | 1.0             | µg/L  | 10.0                          |               | 98.5 | 70-130      |     |           |        |
| 1,1,1,2-Tetrachloroethane                         | 9.33   | 1.0             | µg/L  | 10.0                          |               | 93.3 | 70-130      |     |           |        |
| 1,1,2,2-Tetrachloroethane                         | 10.3   | 0.50            | µg/L  | 10.0                          |               | 103  | 70-130      |     |           |        |
| Tetrachloroethylene                               | 9.56   | 1.0             | µg/L  | 10.0                          |               | 95.6 | 70-130      |     |           |        |
| Tetrahydrofuran                                   | 11.2   | 10              | µg/L  | 10.0                          |               | 112  | 70-130      |     |           |        |
| Toluene                                           | 9.59   | 1.0             | µg/L  | 10.0                          |               | 95.9 | 70-130      |     |           |        |
| 1,2,3-Trichlorobenzene                            | 12.8   | 5.0             | µg/L  | 10.0                          |               | 128  | 70-130      |     |           | V-20   |
| 1,2,4-Trichlorobenzene                            | 10.7   | 1.0             | µg/L  | 10.0                          |               | 107  | 70-130      |     |           |        |
| 1,3,5-Trichlorobenzene                            | 9.79   | 1.0             | µg/L  | 10.0                          |               | 97.9 | 70-130      |     |           |        |
| 1,1,1-Trichloroethane                             | 8.91   | 1.0             | µg/L  | 10.0                          |               | 89.1 | 70-130      |     |           |        |
| 1,1,2-Trichloroethane                             | 9.57   | 1.0             | µg/L  | 10.0                          |               | 95.7 | 70-130      |     |           |        |
| Trichloroethylene                                 | 8.88   | 1.0             | µg/L  | 10.0                          |               | 88.8 | 70-130      |     |           |        |
| Trichlorofluoromethane (Freon 11)                 | 8.13   | 2.0             | µg/L  | 10.0                          |               | 81.3 | 70-130      |     |           |        |
| 1,2,3-Trichloropropane                            | 10.0   | 2.0             | µg/L  | 10.0                          |               | 100  | 70-130      |     |           |        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.99   | 1.0             | µg/L  | 10.0                          |               | 99.9 | 70-130      |     |           |        |
| 1,2,4-Trimethylbenzene                            | 9.00   | 1.0             | µg/L  | 10.0                          |               | 90.0 | 70-130      |     |           |        |
| 1,3,5-Trimethylbenzene                            | 9.34   | 1.0             | µg/L  | 10.0                          |               | 93.4 | 70-130      |     |           |        |
| Vinyl Chloride                                    | 7.33   | 2.0             | µg/L  | 10.0                          |               | 73.3 | 40-160      |     |           | †      |

## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                             | Result | Reporting Limit | Units | Spike Level | Source Result | %REC        | %REC Limits | RPD    | RPD Limit | Notes        |
|-------------------------------------|--------|-----------------|-------|-------------|---------------|-------------|-------------|--------|-----------|--------------|
| <b>Batch B079226 - SW-846 5030B</b> |        |                 |       |             |               |             |             |        |           |              |
| <b>LCS (B079226-BS1)</b>            |        |                 |       |             |               |             |             |        |           |              |
| Prepared & Analyzed: 08/21/13       |        |                 |       |             |               |             |             |        |           |              |
| m+p Xylene                          | 19.0   | 2.0             | µg/L  | 20.0        |               | 95.2        | 70-130      |        |           |              |
| o-Xylene                            | 10.1   | 1.0             | µg/L  | 10.0        |               | 101         | 70-130      |        |           |              |
| Surrogate: 1,2-Dichloroethane-d4    | 23.3   |                 | µg/L  | 25.0        |               | 93.1        | 70-130      |        |           |              |
| Surrogate: Toluene-d8               | 24.7   |                 | µg/L  | 25.0        |               | 98.8        | 70-130      |        |           |              |
| Surrogate: 4-Bromofluorobenzene     | 25.8   |                 | µg/L  | 25.0        |               | 103         | 70-130      |        |           |              |
| <b>LCS Dup (B079226-BS1)</b>        |        |                 |       |             |               |             |             |        |           |              |
| Prepared & Analyzed: 08/21/13       |        |                 |       |             |               |             |             |        |           |              |
| Acetone                             | 80.6   | 50              | µg/L  | 100         |               | 80.6        | 70-160      | 7.16   | 25        | †            |
| Acrylonitrile                       | 10.8   | 5.0             | µg/L  | 10.0        |               | 108         | 70-130      | 3.87   | 25        |              |
| tert-Amyl Methyl Ether (TAME)       | 11.1   | 0.50            | µg/L  | 10.0        |               | 111         | 70-130      | 6.81   | 25        |              |
| Benzene                             | 9.78   | 1.0             | µg/L  | 10.0        |               | 97.8        | 70-130      | 4.18   | 25        |              |
| Bromobenzene                        | 10.0   | 1.0             | µg/L  | 10.0        |               | 100         | 70-130      | 3.04   | 25        |              |
| Bromochloromethane                  | 10.8   | 1.0             | µg/L  | 10.0        |               | 108         | 70-130      | 2.83   | 25        |              |
| Bromodichloromethane                | 9.63   | 0.50            | µg/L  | 10.0        |               | 96.3        | 70-130      | 0.208  | 25        |              |
| Bromoform                           | 9.30   | 1.0             | µg/L  | 10.0        |               | 93.0        | 70-130      | 4.73   | 25        |              |
| Bromomethane                        | 4.48   | 2.0             | µg/L  | 10.0        |               | 44.8        | 40-160      | 13.8   | 25        | V-05 †       |
| 2-Butanone (MEK)                    | 92.5   | 20              | µg/L  | 100         |               | 92.5        | 40-160      | 2.02   | 25        | †            |
| tert-Butyl Alcohol (TBA)            | 121    | 20              | µg/L  | 100         |               | 121         | 40-160      | 2.92   | 25        | V-16 †       |
| n-Butylbenzene                      | 9.49   | 1.0             | µg/L  | 10.0        |               | 94.9        | 70-130      | 0.00   | 25        |              |
| sec-Butylbenzene                    | 9.58   | 1.0             | µg/L  | 10.0        |               | 95.8        | 70-130      | 2.27   | 25        |              |
| tert-Butylbenzene                   | 9.29   | 1.0             | µg/L  | 10.0        |               | 92.9        | 70-130      | 2.29   | 25        |              |
| tert-Butyl Ethyl Ether (TBEE)       | 11.0   | 0.50            | µg/L  | 10.0        |               | 110         | 70-130      | 3.53   | 25        |              |
| Carbon Disulfide                    | 9.65   | 4.0             | µg/L  | 10.0        |               | 96.5        | 70-130      | 2.36   | 25        |              |
| Carbon Tetrachloride                | 8.93   | 5.0             | µg/L  | 10.0        |               | 89.3        | 70-130      | 1.69   | 25        |              |
| Chlorobenzene                       | 10.6   | 1.0             | µg/L  | 10.0        |               | 106         | 70-130      | 4.75   | 25        |              |
| Chlorodibromomethane                | 9.74   | 0.50            | µg/L  | 10.0        |               | 97.4        | 70-130      | 2.81   | 25        |              |
| Chloroethane                        | 8.26   | 2.0             | µg/L  | 10.0        |               | 82.6        | 70-130      | 1.34   | 25        |              |
| Chloroform                          | 10.0   | 2.0             | µg/L  | 10.0        |               | 100         | 70-130      | 4.71   | 25        |              |
| <b>Chloromethane</b>                | 2.73   | 2.0             | µg/L  | 10.0        |               | <b>27.3</b> | * 40-160    | 1.85   | 25        | L-04, V-05 † |
| 2-Chlorotoluene                     | 10.0   | 1.0             | µg/L  | 10.0        |               | 100         | 70-130      | 2.32   | 25        |              |
| 4-Chlorotoluene                     | 10.4   | 1.0             | µg/L  | 10.0        |               | 104         | 70-130      | 1.62   | 25        |              |
| 1,2-Dibromo-3-chloropropane (DBCP)  | 11.1   | 5.0             | µg/L  | 10.0        |               | 111         | 70-130      | 2.37   | 25        |              |
| 1,2-Dibromoethane (EDB)             | 10.8   | 0.50            | µg/L  | 10.0        |               | 108         | 70-130      | 3.86   | 25        |              |
| Dibromomethane                      | 10.7   | 1.0             | µg/L  | 10.0        |               | 107         | 70-130      | 5.87   | 25        |              |
| 1,2-Dichlorobenzene                 | 10.1   | 1.0             | µg/L  | 10.0        |               | 101         | 70-130      | 2.51   | 25        |              |
| 1,3-Dichlorobenzene                 | 9.93   | 1.0             | µg/L  | 10.0        |               | 99.3        | 70-130      | 1.83   | 25        |              |
| 1,4-Dichlorobenzene                 | 9.21   | 1.0             | µg/L  | 10.0        |               | 92.1        | 70-130      | 3.09   | 25        |              |
| trans-1,4-Dichloro-2-butene         | 9.65   | 2.0             | µg/L  | 10.0        |               | 96.5        | 70-130      | 1.25   | 25        |              |
| Dichlorodifluoromethane (Freon 12)  | 5.85   | 2.0             | µg/L  | 10.0        |               | 58.5        | 40-160      | 0.686  | 25        | †            |
| 1,1-Dichloroethane                  | 10.2   | 1.0             | µg/L  | 10.0        |               | 102         | 70-130      | 0.980  | 25        |              |
| 1,2-Dichloroethane                  | 8.51   | 1.0             | µg/L  | 10.0        |               | 85.1        | 70-130      | 2.02   | 25        |              |
| 1,1-Dichloroethylene                | 9.38   | 1.0             | µg/L  | 10.0        |               | 93.8        | 70-130      | 4.36   | 25        |              |
| cis-1,2-Dichloroethylene            | 9.32   | 1.0             | µg/L  | 10.0        |               | 93.2        | 70-130      | 5.29   | 25        |              |
| trans-1,2-Dichloroethylene          | 10.0   | 1.0             | µg/L  | 10.0        |               | 100         | 70-130      | 0.799  | 25        |              |
| 1,2-Dichloropropane                 | 10.2   | 1.0             | µg/L  | 10.0        |               | 102         | 70-130      | 2.90   | 25        |              |
| 1,3-Dichloropropane                 | 10.1   | 0.50            | µg/L  | 10.0        |               | 101         | 70-130      | 0.0988 | 25        |              |
| 2,2-Dichloropropane                 | 9.64   | 1.0             | µg/L  | 10.0        |               | 96.4        | 40-130      | 0.00   | 25        | †            |
| 1,1-Dichloropropene                 | 9.47   | 2.0             | µg/L  | 10.0        |               | 94.7        | 70-130      | 4.76   | 25        |              |
| cis-1,3-Dichloropropene             | 10.4   | 0.50            | µg/L  | 10.0        |               | 104         | 70-130      | 4.64   | 25        |              |
| trans-1,3-Dichloropropene           | 11.0   | 0.50            | µg/L  | 10.0        |               | 110         | 70-130      | 4.65   | 25        |              |
| Diethyl Ether                       | 9.84   | 2.0             | µg/L  | 10.0        |               | 98.4        | 70-130      | 7.27   | 25        |              |
| Diisopropyl Ether (DIPE)            | 11.5   | 0.50            | µg/L  | 10.0        |               | 115         | 70-130      | 4.09   | 25        |              |

## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

## Batch B079226 - SW-846 5030B

## LCS Dup (B079226-BSD1)

Prepared &amp; Analyzed: 08/21/13

|                                                   |      |      |      |      |  |              |        |        |    |              |
|---------------------------------------------------|------|------|------|------|--|--------------|--------|--------|----|--------------|
| 1,4-Dioxane                                       | 111  | 50   | µg/L | 100  |  | 111          | 40-130 | 13.7   | 50 | V-16 † ‡     |
| Ethylbenzene                                      | 9.61 | 1.0  | µg/L | 10.0 |  | 96.1         | 70-130 | 1.36   | 25 |              |
| Hexachlorobutadiene                               | 9.37 | 0.50 | µg/L | 10.0 |  | 93.7         | 70-130 | 1.80   | 25 |              |
| 2-Hexanone (MBK)                                  | 98.4 | 10   | µg/L | 100  |  | 98.4         | 70-160 | 3.41   | 25 | †            |
| Isopropylbenzene (Cumene)                         | 9.86 | 1.0  | µg/L | 10.0 |  | 98.6         | 70-130 | 0.203  | 25 |              |
| p-Isopropyltoluene (p-Cymene)                     | 10.1 | 1.0  | µg/L | 10.0 |  | 101          | 70-130 | 4.97   | 25 |              |
| Methyl tert-Butyl Ether (MTBE)                    | 12.0 | 1.0  | µg/L | 10.0 |  | 120          | 70-130 | 5.75   | 25 |              |
| Methylene Chloride                                | 11.8 | 5.0  | µg/L | 10.0 |  | 118          | 70-130 | 5.31   | 25 |              |
| 4-Methyl-2-pentanone (MIBK)                       | 101  | 10   | µg/L | 100  |  | 101          | 70-160 | 6.78   | 25 | †            |
| <b>Naphthalene</b>                                | 13.1 | 2.0  | µg/L | 10.0 |  | <b>131</b> * | 40-130 | 6.81   | 25 | L-07, V-20 † |
| n-Propylbenzene                                   | 10.5 | 1.0  | µg/L | 10.0 |  | 105          | 70-130 | 0.286  | 25 |              |
| Styrene                                           | 10.2 | 1.0  | µg/L | 10.0 |  | 102          | 70-130 | 3.78   | 25 |              |
| 1,1,1,2-Tetrachloroethane                         | 9.57 | 1.0  | µg/L | 10.0 |  | 95.7         | 70-130 | 2.54   | 25 |              |
| 1,1,2,2-Tetrachloroethane                         | 10.6 | 0.50 | µg/L | 10.0 |  | 106          | 70-130 | 3.06   | 25 |              |
| Tetrachloroethylene                               | 9.64 | 1.0  | µg/L | 10.0 |  | 96.4         | 70-130 | 0.833  | 25 |              |
| Tetrahydrofuran                                   | 9.23 | 10   | µg/L | 10.0 |  | 92.3         | 70-130 | 19.5   | 25 |              |
| Toluene                                           | 9.86 | 1.0  | µg/L | 10.0 |  | 98.6         | 70-130 | 2.78   | 25 |              |
| <b>1,2,3-Trichlorobenzene</b>                     | 13.2 | 5.0  | µg/L | 10.0 |  | <b>132</b> * | 70-130 | 3.61   | 25 | L-07, V-20   |
| 1,2,4-Trichlorobenzene                            | 10.7 | 1.0  | µg/L | 10.0 |  | 107          | 70-130 | 0.0935 | 25 |              |
| 1,3,5-Trichlorobenzene                            | 9.80 | 1.0  | µg/L | 10.0 |  | 98.0         | 70-130 | 0.102  | 25 |              |
| 1,1,1-Trichloroethane                             | 8.90 | 1.0  | µg/L | 10.0 |  | 89.0         | 70-130 | 0.112  | 25 |              |
| 1,1,2-Trichloroethane                             | 9.91 | 1.0  | µg/L | 10.0 |  | 99.1         | 70-130 | 3.49   | 25 |              |
| Trichloroethylene                                 | 9.23 | 1.0  | µg/L | 10.0 |  | 92.3         | 70-130 | 3.87   | 25 |              |
| Trichlorofluoromethane (Freon 11)                 | 8.30 | 2.0  | µg/L | 10.0 |  | 83.0         | 70-130 | 2.07   | 25 |              |
| 1,2,3-Trichloropropane                            | 10.5 | 2.0  | µg/L | 10.0 |  | 105          | 70-130 | 4.87   | 25 |              |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.1 | 1.0  | µg/L | 10.0 |  | 101          | 70-130 | 0.996  | 25 |              |
| 1,2,4-Trimethylbenzene                            | 9.20 | 1.0  | µg/L | 10.0 |  | 92.0         | 70-130 | 2.20   | 25 |              |
| 1,3,5-Trimethylbenzene                            | 9.53 | 1.0  | µg/L | 10.0 |  | 95.3         | 70-130 | 2.01   | 25 |              |
| Vinyl Chloride                                    | 7.53 | 2.0  | µg/L | 10.0 |  | 75.3         | 40-160 | 2.69   | 25 | †            |
| m+p Xylene                                        | 19.4 | 2.0  | µg/L | 20.0 |  | 97.0         | 70-130 | 1.92   | 25 |              |
| o-Xylene                                          | 10.1 | 1.0  | µg/L | 10.0 |  | 101          | 70-130 | 0.198  | 25 |              |
| Surrogate: 1,2-Dichloroethane-d4                  | 23.3 |      | µg/L | 25.0 |  | 93.1         | 70-130 |        |    |              |
| Surrogate: Toluene-d8                             | 24.9 |      | µg/L | 25.0 |  | 99.5         | 70-130 |        |    |              |
| Surrogate: 4-Bromofluorobenzene                   | 25.9 |      | µg/L | 25.0 |  | 104          | 70-130 |        |    |              |

## Batch B079321 - SW-846 5030B

## Blank (B079321-BLK1)

Prepared &amp; Analyzed: 08/22/13

|                               |    |      |      |  |  |  |  |  |  |      |
|-------------------------------|----|------|------|--|--|--|--|--|--|------|
| Acetone                       | ND | 50   | µg/L |  |  |  |  |  |  |      |
| Acrylonitrile                 | ND | 5.0  | µg/L |  |  |  |  |  |  |      |
| tert-Amyl Methyl Ether (TAME) | ND | 0.50 | µg/L |  |  |  |  |  |  |      |
| Benzene                       | ND | 1.0  | µg/L |  |  |  |  |  |  |      |
| Bromobenzene                  | ND | 1.0  | µg/L |  |  |  |  |  |  |      |
| Bromochloromethane            | ND | 1.0  | µg/L |  |  |  |  |  |  |      |
| Bromodichloromethane          | ND | 0.50 | µg/L |  |  |  |  |  |  |      |
| Bromoform                     | ND | 1.0  | µg/L |  |  |  |  |  |  |      |
| Bromomethane                  | ND | 2.0  | µg/L |  |  |  |  |  |  |      |
| 2-Butanone (MEK)              | ND | 20   | µg/L |  |  |  |  |  |  |      |
| tert-Butyl Alcohol (TBA)      | ND | 20   | µg/L |  |  |  |  |  |  | V-16 |
| n-Butylbenzene                | ND | 1.0  | µg/L |  |  |  |  |  |  |      |
| sec-Butylbenzene              | ND | 1.0  | µg/L |  |  |  |  |  |  |      |
| tert-Butylbenzene             | ND | 1.0  | µg/L |  |  |  |  |  |  |      |

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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                             | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes      |
|-------------------------------------|--------|-----------------|-------|-------------------------------|---------------|------|-------------|-----|-----------|------------|
| <b>Batch B079321 - SW-846 5030B</b> |        |                 |       |                               |               |      |             |     |           |            |
| <b>Blank (B079321-BLK1)</b>         |        |                 |       | Prepared & Analyzed: 08/22/13 |               |      |             |     |           |            |
| tert-Butyl Ethyl Ether (TBEE)       | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Carbon Disulfide                    | ND     | 4.0             | µg/L  |                               |               |      |             |     |           |            |
| Carbon Tetrachloride                | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| Chlorobenzene                       | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Chlorodibromomethane                | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Chloroethane                        | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Chloroform                          | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Chloromethane                       | ND     | 2.0             | µg/L  |                               |               |      |             |     |           | L-04, V-05 |
| 2-Chlorotoluene                     | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 4-Chlorotoluene                     | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dibromo-3-chloropropane (DBCP)  | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dibromoethane (EDB)             | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Dibromomethane                      | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dichlorobenzene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,3-Dichlorobenzene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,4-Dichlorobenzene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| trans-1,4-Dichloro-2-butene         | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Dichlorodifluoromethane (Freon 12)  | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1-Dichloroethane                  | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dichloroethane                  | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1-Dichloroethylene                | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| cis-1,2-Dichloroethylene            | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| trans-1,2-Dichloroethylene          | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2-Dichloropropane                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,3-Dichloropropane                 | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| 2,2-Dichloropropane                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1-Dichloropropene                 | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| cis-1,3-Dichloropropene             | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| trans-1,3-Dichloropropene           | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Diethyl Ether                       | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| Diisopropyl Ether (DIPE)            | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| 1,4-Dioxane                         | ND     | 50              | µg/L  |                               |               |      |             |     |           | V-16       |
| Ethylbenzene                        | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Hexachlorobutadiene                 | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| 2-Hexanone (MBK)                    | ND     | 10              | µg/L  |                               |               |      |             |     |           |            |
| Isopropylbenzene (Cumene)           | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| p-Isopropyltoluene (p-Cymene)       | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Methyl tert-Butyl Ether (MTBE)      | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Methylene Chloride                  | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| 4-Methyl-2-pentanone (MIBK)         | ND     | 10              | µg/L  |                               |               |      |             |     |           |            |
| Naphthalene                         | ND     | 2.0             | µg/L  |                               |               |      |             |     |           |            |
| n-Propylbenzene                     | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Styrene                             | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1,1,2-Tetrachloroethane           | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1,2,2-Tetrachloroethane           | ND     | 0.50            | µg/L  |                               |               |      |             |     |           |            |
| Tetrachloroethylene                 | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| Tetrahydrofuran                     | ND     | 10              | µg/L  |                               |               |      |             |     |           |            |
| Toluene                             | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2,3-Trichlorobenzene              | ND     | 5.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,2,4-Trichlorobenzene              | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,3,5-Trichlorobenzene              | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |
| 1,1,1-Trichloroethane               | ND     | 1.0             | µg/L  |                               |               |      |             |     |           |            |



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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source Result | %REC   | %REC Limits | RPD | RPD Limit  | Notes |
|---------------------------------------------------|--------|-----------------|-------|-------------|---------------|--------|-------------|-----|------------|-------|
| <b>Batch B079321 - SW-846 5030B</b>               |        |                 |       |             |               |        |             |     |            |       |
| <b>Blank (B079321-BLK1)</b>                       |        |                 |       |             |               |        |             |     |            |       |
| Prepared & Analyzed: 08/22/13                     |        |                 |       |             |               |        |             |     |            |       |
| 1,1,2-Trichloroethane                             | ND     | 1.0             | µg/L  |             |               |        |             |     |            |       |
| Trichloroethylene                                 | ND     | 1.0             | µg/L  |             |               |        |             |     |            |       |
| Trichlorofluoromethane (Freon 11)                 | ND     | 2.0             | µg/L  |             |               |        |             |     |            |       |
| 1,2,3-Trichloropropane                            | ND     | 2.0             | µg/L  |             |               |        |             |     |            |       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND     | 1.0             | µg/L  |             |               |        |             |     |            |       |
| 1,2,4-Trimethylbenzene                            | ND     | 1.0             | µg/L  |             |               |        |             |     |            |       |
| 1,3,5-Trimethylbenzene                            | ND     | 1.0             | µg/L  |             |               |        |             |     |            |       |
| Vinyl Chloride                                    | ND     | 2.0             | µg/L  |             |               |        |             |     |            |       |
| m+p Xylene                                        | ND     | 2.0             | µg/L  |             |               |        |             |     |            |       |
| o-Xylene                                          | ND     | 1.0             | µg/L  |             |               |        |             |     |            |       |
| Surrogate: 1,2-Dichloroethane-d4                  | 24.0   |                 | µg/L  | 25.0        |               | 96.0   | 70-130      |     |            |       |
| Surrogate: Toluene-d8                             | 26.2   |                 | µg/L  | 25.0        |               | 105    | 70-130      |     |            |       |
| Surrogate: 4-Bromofluorobenzene                   | 26.4   |                 | µg/L  | 25.0        |               | 106    | 70-130      |     |            |       |
| <b>LCS (B079321-BS1)</b>                          |        |                 |       |             |               |        |             |     |            |       |
| Prepared & Analyzed: 08/22/13                     |        |                 |       |             |               |        |             |     |            |       |
| Acetone                                           | 82.5   | 50              | µg/L  | 100         |               | 82.5   | 70-160      |     |            | †     |
| Acrylonitrile                                     | 10.6   | 5.0             | µg/L  | 10.0        |               | 106    | 70-130      |     |            |       |
| tert-Amyl Methyl Ether (TAME)                     | 10.8   | 0.50            | µg/L  | 10.0        |               | 108    | 70-130      |     |            |       |
| Benzene                                           | 9.67   | 1.0             | µg/L  | 10.0        |               | 96.7   | 70-130      |     |            |       |
| Bromobenzene                                      | 9.95   | 1.0             | µg/L  | 10.0        |               | 99.5   | 70-130      |     |            |       |
| Bromochloromethane                                | 10.3   | 1.0             | µg/L  | 10.0        |               | 103    | 70-130      |     |            |       |
| Bromodichloromethane                              | 9.34   | 0.50            | µg/L  | 10.0        |               | 93.4   | 70-130      |     |            |       |
| Bromoform                                         | 9.18   | 1.0             | µg/L  | 10.0        |               | 91.8   | 70-130      |     |            |       |
| Bromomethane                                      | 6.14   | 2.0             | µg/L  | 10.0        |               | 61.4   | 40-160      |     | V-20       | †     |
| 2-Butanone (MEK)                                  | 94.6   | 20              | µg/L  | 100         |               | 94.6   | 40-160      |     |            | †     |
| tert-Butyl Alcohol (TBA)                          | 120    | 20              | µg/L  | 100         |               | 120    | 40-160      |     | V-16       | †     |
| n-Butylbenzene                                    | 10.1   | 1.0             | µg/L  | 10.0        |               | 101    | 70-130      |     |            |       |
| sec-Butylbenzene                                  | 10.7   | 1.0             | µg/L  | 10.0        |               | 107    | 70-130      |     |            |       |
| tert-Butylbenzene                                 | 9.94   | 1.0             | µg/L  | 10.0        |               | 99.4   | 70-130      |     |            |       |
| tert-Butyl Ethyl Ether (TBEE)                     | 10.8   | 0.50            | µg/L  | 10.0        |               | 108    | 70-130      |     |            |       |
| Carbon Disulfide                                  | 9.75   | 4.0             | µg/L  | 10.0        |               | 97.5   | 70-130      |     |            |       |
| Carbon Tetrachloride                              | 8.95   | 5.0             | µg/L  | 10.0        |               | 89.5   | 70-130      |     |            |       |
| Chlorobenzene                                     | 10.2   | 1.0             | µg/L  | 10.0        |               | 102    | 70-130      |     |            |       |
| Chlorodibromomethane                              | 9.50   | 0.50            | µg/L  | 10.0        |               | 95.0   | 70-130      |     |            |       |
| Chloroethane                                      | 8.41   | 2.0             | µg/L  | 10.0        |               | 84.1   | 70-130      |     |            |       |
| Chloroform                                        | 9.54   | 2.0             | µg/L  | 10.0        |               | 95.4   | 70-130      |     |            |       |
| <b>Chloromethane</b>                              | 3.22   | 2.0             | µg/L  | 10.0        |               | 32.2 * | 40-160      |     | L-04, V-05 | †     |
| 2-Chlorotoluene                                   | 10.5   | 1.0             | µg/L  | 10.0        |               | 105    | 70-130      |     |            |       |
| 4-Chlorotoluene                                   | 10.6   | 1.0             | µg/L  | 10.0        |               | 106    | 70-130      |     |            |       |
| 1,2-Dibromo-3-chloropropane (DBCP)                | 12.0   | 5.0             | µg/L  | 10.0        |               | 120    | 70-130      |     |            |       |
| 1,2-Dibromoethane (EDB)                           | 10.0   | 0.50            | µg/L  | 10.0        |               | 100    | 70-130      |     |            |       |
| Dibromomethane                                    | 9.91   | 1.0             | µg/L  | 10.0        |               | 99.1   | 70-130      |     |            |       |
| 1,2-Dichlorobenzene                               | 10.7   | 1.0             | µg/L  | 10.0        |               | 107    | 70-130      |     |            |       |
| 1,3-Dichlorobenzene                               | 10.7   | 1.0             | µg/L  | 10.0        |               | 107    | 70-130      |     |            |       |
| 1,4-Dichlorobenzene                               | 9.70   | 1.0             | µg/L  | 10.0        |               | 97.0   | 70-130      |     |            |       |
| trans-1,4-Dichloro-2-butene                       | 10.4   | 2.0             | µg/L  | 10.0        |               | 104    | 70-130      |     |            |       |
| Dichlorodifluoromethane (Freon 12)                | 4.96   | 2.0             | µg/L  | 10.0        |               | 49.6   | 40-160      |     |            | †     |
| 1,1-Dichloroethane                                | 10.0   | 1.0             | µg/L  | 10.0        |               | 100    | 70-130      |     |            |       |
| 1,2-Dichloroethane                                | 8.12   | 1.0             | µg/L  | 10.0        |               | 81.2   | 70-130      |     |            |       |
| 1,1-Dichloroethylene                              | 8.98   | 1.0             | µg/L  | 10.0        |               | 89.8   | 70-130      |     |            |       |
| cis-1,2-Dichloroethylene                          | 9.05   | 1.0             | µg/L  | 10.0        |               | 90.5   | 70-130      |     |            |       |
| trans-1,2-Dichloroethylene                        | 10.0   | 1.0             | µg/L  | 10.0        |               | 100    | 70-130      |     |            |       |

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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC         | %REC Limits | RPD | RPD Limit | Notes        |
|---------------------------------------------------|--------|-----------------|-------|-------------------------------|---------------|--------------|-------------|-----|-----------|--------------|
| <b>Batch B079321 - SW-846 5030B</b>               |        |                 |       |                               |               |              |             |     |           |              |
| <b>LCS (B079321-BS1)</b>                          |        |                 |       | Prepared & Analyzed: 08/22/13 |               |              |             |     |           |              |
| 1,2-Dichloropropane                               | 9.92   | 1.0             | µg/L  | 10.0                          |               | 99.2         | 70-130      |     |           |              |
| 1,3-Dichloropropane                               | 10.3   | 0.50            | µg/L  | 10.0                          |               | 103          | 70-130      |     |           |              |
| 2,2-Dichloropropane                               | 9.92   | 1.0             | µg/L  | 10.0                          |               | 99.2         | 40-130      |     |           | †            |
| 1,1-Dichloropropene                               | 9.55   | 2.0             | µg/L  | 10.0                          |               | 95.5         | 70-130      |     |           |              |
| cis-1,3-Dichloropropene                           | 9.90   | 0.50            | µg/L  | 10.0                          |               | 99.0         | 70-130      |     |           |              |
| trans-1,3-Dichloropropene                         | 10.6   | 0.50            | µg/L  | 10.0                          |               | 106          | 70-130      |     |           |              |
| Diethyl Ether                                     | 9.68   | 2.0             | µg/L  | 10.0                          |               | 96.8         | 70-130      |     |           |              |
| Diisopropyl Ether (DIPE)                          | 11.0   | 0.50            | µg/L  | 10.0                          |               | 110          | 70-130      |     |           |              |
| 1,4-Dioxane                                       | 104    | 50              | µg/L  | 100                           |               | 104          | 40-130      |     |           | V-16 †       |
| Ethylbenzene                                      | 9.73   | 1.0             | µg/L  | 10.0                          |               | 97.3         | 70-130      |     |           |              |
| Hexachlorobutadiene                               | 10.0   | 0.50            | µg/L  | 10.0                          |               | 100          | 70-130      |     |           |              |
| 2-Hexanone (MBK)                                  | 100    | 10              | µg/L  | 100                           |               | 100          | 70-160      |     |           | †            |
| Isopropylbenzene (Cumene)                         | 10.2   | 1.0             | µg/L  | 10.0                          |               | 102          | 70-130      |     |           |              |
| p-Isopropyltoluene (p-Cymene)                     | 10.6   | 1.0             | µg/L  | 10.0                          |               | 106          | 70-130      |     |           |              |
| Methyl tert-Butyl Ether (MTBE)                    | 11.6   | 1.0             | µg/L  | 10.0                          |               | 116          | 70-130      |     |           |              |
| Methylene Chloride                                | 12.2   | 5.0             | µg/L  | 10.0                          |               | 122          | 70-130      |     |           |              |
| 4-Methyl-2-pentanone (MIBK)                       | 96.6   | 10              | µg/L  | 100                           |               | 96.6         | 70-160      |     |           | †            |
| <b>Naphthalene</b>                                | 13.6   | 2.0             | µg/L  | 10.0                          |               | <b>136</b> * | 40-130      |     |           | L-02, V-20 † |
| n-Propylbenzene                                   | 11.2   | 1.0             | µg/L  | 10.0                          |               | 112          | 70-130      |     |           |              |
| Styrene                                           | 10.4   | 1.0             | µg/L  | 10.0                          |               | 104          | 70-130      |     |           |              |
| 1,1,1,2-Tetrachloroethane                         | 9.53   | 1.0             | µg/L  | 10.0                          |               | 95.3         | 70-130      |     |           |              |
| 1,1,2,2-Tetrachloroethane                         | 10.8   | 0.50            | µg/L  | 10.0                          |               | 108          | 70-130      |     |           |              |
| Tetrachloroethylene                               | 9.55   | 1.0             | µg/L  | 10.0                          |               | 95.5         | 70-130      |     |           |              |
| Tetrahydrofuran                                   | 11.1   | 10              | µg/L  | 10.0                          |               | 111          | 70-130      |     |           |              |
| Toluene                                           | 9.65   | 1.0             | µg/L  | 10.0                          |               | 96.5         | 70-130      |     |           |              |
| <b>1,2,3-Trichlorobenzene</b>                     | 14.1   | 5.0             | µg/L  | 10.0                          |               | <b>141</b> * | 70-130      |     |           | L-02, V-20   |
| 1,2,4-Trichlorobenzene                            | 11.4   | 1.0             | µg/L  | 10.0                          |               | 114          | 70-130      |     |           |              |
| 1,3,5-Trichlorobenzene                            | 10.4   | 1.0             | µg/L  | 10.0                          |               | 104          | 70-130      |     |           |              |
| 1,1,1-Trichloroethane                             | 9.01   | 1.0             | µg/L  | 10.0                          |               | 90.1         | 70-130      |     |           |              |
| 1,1,2-Trichloroethane                             | 9.64   | 1.0             | µg/L  | 10.0                          |               | 96.4         | 70-130      |     |           |              |
| Trichloroethylene                                 | 8.95   | 1.0             | µg/L  | 10.0                          |               | 89.5         | 70-130      |     |           |              |
| Trichlorofluoromethane (Freon 11)                 | 7.96   | 2.0             | µg/L  | 10.0                          |               | 79.6         | 70-130      |     |           |              |
| 1,2,3-Trichloropropane                            | 10.7   | 2.0             | µg/L  | 10.0                          |               | 107          | 70-130      |     |           |              |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.73   | 1.0             | µg/L  | 10.0                          |               | 97.3         | 70-130      |     |           |              |
| 1,2,4-Trimethylbenzene                            | 9.75   | 1.0             | µg/L  | 10.0                          |               | 97.5         | 70-130      |     |           |              |
| 1,3,5-Trimethylbenzene                            | 9.64   | 1.0             | µg/L  | 10.0                          |               | 96.4         | 70-130      |     |           |              |
| Vinyl Chloride                                    | 7.40   | 2.0             | µg/L  | 10.0                          |               | 74.0         | 40-160      |     |           | †            |
| m+p Xylene                                        | 19.8   | 2.0             | µg/L  | 20.0                          |               | 98.9         | 70-130      |     |           |              |
| o-Xylene                                          | 10.5   | 1.0             | µg/L  | 10.0                          |               | 105          | 70-130      |     |           |              |
| Surrogate: 1,2-Dichloroethane-d4                  | 24.0   |                 | µg/L  | 25.0                          |               | 96.2         | 70-130      |     |           |              |
| Surrogate: Toluene-d8                             | 25.0   |                 | µg/L  | 25.0                          |               | 100          | 70-130      |     |           |              |
| Surrogate: 4-Bromofluorobenzene                   | 25.1   |                 | µg/L  | 25.0                          |               | 100          | 70-130      |     |           |              |

## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                             | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC        | %REC Limits | RPD   | RPD Limit | Notes        |
|-------------------------------------|--------|-----------------|-------|-------------------------------|---------------|-------------|-------------|-------|-----------|--------------|
| <b>Batch B079321 - SW-846 5030B</b> |        |                 |       |                               |               |             |             |       |           |              |
| <b>LCS Dup (B079321-BSD1)</b>       |        |                 |       | Prepared & Analyzed: 08/22/13 |               |             |             |       |           |              |
| Acetone                             | 83.0   | 50              | µg/L  | 100                           |               | 83.0        | 70-160      | 0.544 | 25        | †            |
| Acrylonitrile                       | 10.7   | 5.0             | µg/L  | 10.0                          |               | 107         | 70-130      | 0.655 | 25        |              |
| tert-Amyl Methyl Ether (TAME)       | 10.6   | 0.50            | µg/L  | 10.0                          |               | 106         | 70-130      | 1.40  | 25        |              |
| Benzene                             | 9.66   | 1.0             | µg/L  | 10.0                          |               | 96.6        | 70-130      | 0.103 | 25        |              |
| Bromobenzene                        | 10.3   | 1.0             | µg/L  | 10.0                          |               | 103         | 70-130      | 3.17  | 25        |              |
| Bromochloromethane                  | 10.4   | 1.0             | µg/L  | 10.0                          |               | 104         | 70-130      | 1.16  | 25        |              |
| Bromodichloromethane                | 9.40   | 0.50            | µg/L  | 10.0                          |               | 94.0        | 70-130      | 0.640 | 25        |              |
| Bromoform                           | 9.53   | 1.0             | µg/L  | 10.0                          |               | 95.3        | 70-130      | 3.74  | 25        |              |
| Bromomethane                        | 6.26   | 2.0             | µg/L  | 10.0                          |               | 62.6        | 40-160      | 1.94  | 25        | V-20 †       |
| 2-Butanone (MEK)                    | 93.5   | 20              | µg/L  | 100                           |               | 93.5        | 40-160      | 1.16  | 25        | †            |
| tert-Butyl Alcohol (TBA)            | 122    | 20              | µg/L  | 100                           |               | 122         | 40-160      | 1.33  | 25        | V-16 †       |
| n-Butylbenzene                      | 10.2   | 1.0             | µg/L  | 10.0                          |               | 102         | 70-130      | 0.885 | 25        |              |
| sec-Butylbenzene                    | 10.6   | 1.0             | µg/L  | 10.0                          |               | 106         | 70-130      | 0.376 | 25        |              |
| tert-Butylbenzene                   | 10.0   | 1.0             | µg/L  | 10.0                          |               | 100         | 70-130      | 1.10  | 25        |              |
| tert-Butyl Ethyl Ether (TBEE)       | 10.9   | 0.50            | µg/L  | 10.0                          |               | 109         | 70-130      | 1.01  | 25        |              |
| Carbon Disulfide                    | 9.63   | 4.0             | µg/L  | 10.0                          |               | 96.3        | 70-130      | 1.24  | 25        |              |
| Carbon Tetrachloride                | 8.85   | 5.0             | µg/L  | 10.0                          |               | 88.5        | 70-130      | 1.12  | 25        |              |
| Chlorobenzene                       | 10.5   | 1.0             | µg/L  | 10.0                          |               | 105         | 70-130      | 2.41  | 25        |              |
| Chlorodibromomethane                | 9.66   | 0.50            | µg/L  | 10.0                          |               | 96.6        | 70-130      | 1.67  | 25        |              |
| Chloroethane                        | 8.00   | 2.0             | µg/L  | 10.0                          |               | 80.0        | 70-130      | 5.00  | 25        |              |
| Chloroform                          | 9.60   | 2.0             | µg/L  | 10.0                          |               | 96.0        | 70-130      | 0.627 | 25        |              |
| <b>Chloromethane</b>                | 3.12   | 2.0             | µg/L  | 10.0                          |               | <b>31.2</b> | * 40-160    | 3.15  | 25        | L-04, V-05 † |
| 2-Chlorotoluene                     | 10.6   | 1.0             | µg/L  | 10.0                          |               | 106         | 70-130      | 0.285 | 25        |              |
| 4-Chlorotoluene                     | 10.8   | 1.0             | µg/L  | 10.0                          |               | 108         | 70-130      | 1.58  | 25        |              |
| 1,2-Dibromo-3-chloropropane (DBCP)  | 12.4   | 5.0             | µg/L  | 10.0                          |               | 124         | 70-130      | 3.12  | 25        |              |
| 1,2-Dibromoethane (EDB)             | 10.1   | 0.50            | µg/L  | 10.0                          |               | 101         | 70-130      | 1.09  | 25        |              |
| Dibromomethane                      | 10.2   | 1.0             | µg/L  | 10.0                          |               | 102         | 70-130      | 2.49  | 25        |              |
| 1,2-Dichlorobenzene                 | 10.6   | 1.0             | µg/L  | 10.0                          |               | 106         | 70-130      | 0.658 | 25        |              |
| 1,3-Dichlorobenzene                 | 10.5   | 1.0             | µg/L  | 10.0                          |               | 105         | 70-130      | 1.79  | 25        |              |
| 1,4-Dichlorobenzene                 | 9.75   | 1.0             | µg/L  | 10.0                          |               | 97.5        | 70-130      | 0.514 | 25        |              |
| trans-1,4-Dichloro-2-butene         | 10.2   | 2.0             | µg/L  | 10.0                          |               | 102         | 70-130      | 1.56  | 25        |              |
| Dichlorodifluoromethane (Freon 12)  | 5.06   | 2.0             | µg/L  | 10.0                          |               | 50.6        | 40-160      | 2.00  | 25        | †            |
| 1,1-Dichloroethane                  | 10.1   | 1.0             | µg/L  | 10.0                          |               | 101         | 70-130      | 0.696 | 25        |              |
| 1,2-Dichloroethane                  | 8.38   | 1.0             | µg/L  | 10.0                          |               | 83.8        | 70-130      | 3.15  | 25        |              |
| 1,1-Dichloroethylene                | 9.19   | 1.0             | µg/L  | 10.0                          |               | 91.9        | 70-130      | 2.31  | 25        |              |
| cis-1,2-Dichloroethylene            | 9.08   | 1.0             | µg/L  | 10.0                          |               | 90.8        | 70-130      | 0.331 | 25        |              |
| trans-1,2-Dichloroethylene          | 10.2   | 1.0             | µg/L  | 10.0                          |               | 102         | 70-130      | 1.78  | 25        |              |
| 1,2-Dichloropropane                 | 9.94   | 1.0             | µg/L  | 10.0                          |               | 99.4        | 70-130      | 0.201 | 25        |              |
| 1,3-Dichloropropane                 | 10.4   | 0.50            | µg/L  | 10.0                          |               | 104         | 70-130      | 1.45  | 25        |              |
| 2,2-Dichloropropane                 | 10.0   | 1.0             | µg/L  | 10.0                          |               | 100         | 40-130      | 0.903 | 25        | †            |
| 1,1-Dichloropropene                 | 9.52   | 2.0             | µg/L  | 10.0                          |               | 95.2        | 70-130      | 0.315 | 25        |              |
| cis-1,3-Dichloropropene             | 9.99   | 0.50            | µg/L  | 10.0                          |               | 99.9        | 70-130      | 0.905 | 25        |              |
| trans-1,3-Dichloropropene           | 10.3   | 0.50            | µg/L  | 10.0                          |               | 103         | 70-130      | 2.01  | 25        |              |
| Diethyl Ether                       | 9.54   | 2.0             | µg/L  | 10.0                          |               | 95.4        | 70-130      | 1.46  | 25        |              |
| Diisopropyl Ether (DIPE)            | 11.0   | 0.50            | µg/L  | 10.0                          |               | 110         | 70-130      | 0.273 | 25        |              |
| 1,4-Dioxane                         | 101    | 50              | µg/L  | 100                           |               | 101         | 40-130      | 2.63  | 50        | V-16 † ‡     |
| Ethylbenzene                        | 9.68   | 1.0             | µg/L  | 10.0                          |               | 96.8        | 70-130      | 0.515 | 25        |              |
| Hexachlorobutadiene                 | 10.1   | 0.50            | µg/L  | 10.0                          |               | 101         | 70-130      | 0.895 | 25        |              |
| 2-Hexanone (MBK)                    | 98.1   | 10              | µg/L  | 100                           |               | 98.1        | 70-160      | 1.91  | 25        | †            |
| Isopropylbenzene (Cumene)           | 10.5   | 1.0             | µg/L  | 10.0                          |               | 105         | 70-130      | 2.99  | 25        |              |
| p-Isopropyltoluene (p-Cymene)       | 10.6   | 1.0             | µg/L  | 10.0                          |               | 106         | 70-130      | 0.00  | 25        |              |
| Methyl tert-Butyl Ether (MTBE)      | 11.8   | 1.0             | µg/L  | 10.0                          |               | 118         | 70-130      | 1.28  | 25        |              |

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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result | Reporting Limit | Units | Spike Level | Source Result | %REC          | %REC Limits | RPD   | RPD Limit | Notes             |
|---------------------------------------------------|--------|-----------------|-------|-------------|---------------|---------------|-------------|-------|-----------|-------------------|
| <b>Batch B079321 - SW-846 5030B</b>               |        |                 |       |             |               |               |             |       |           |                   |
| <b>LCS Dup (B079321-BSD1)</b>                     |        |                 |       |             |               |               |             |       |           |                   |
| Prepared & Analyzed: 08/22/13                     |        |                 |       |             |               |               |             |       |           |                   |
| Methylene Chloride                                | 12.5   | 5.0             | µg/L  | 10.0        |               | 125           | 70-130      | 2.35  | 25        |                   |
| 4-Methyl-2-pentanone (MIBK)                       | 97.9   | 10              | µg/L  | 100         |               | 97.9          | 70-160      | 1.33  | 25        |                   |
| <b>Naphthalene</b>                                | 13.7   | 2.0             | µg/L  | 10.0        |               | <b>137</b> *  | 40-130      | 1.24  | 25        | L-02, V-20 †      |
| n-Propylbenzene                                   | 11.3   | 1.0             | µg/L  | 10.0        |               | 113           | 70-130      | 1.33  | 25        |                   |
| Styrene                                           | 10.3   | 1.0             | µg/L  | 10.0        |               | 103           | 70-130      | 0.679 | 25        |                   |
| 1,1,1,2-Tetrachloroethane                         | 9.64   | 1.0             | µg/L  | 10.0        |               | 96.4          | 70-130      | 1.15  | 25        |                   |
| 1,1,2,2-Tetrachloroethane                         | 11.1   | 0.50            | µg/L  | 10.0        |               | 111           | 70-130      | 2.37  | 25        |                   |
| Tetrachloroethylene                               | 9.34   | 1.0             | µg/L  | 10.0        |               | 93.4          | 70-130      | 2.22  | 25        |                   |
| Tetrahydrofuran                                   | 10.4   | 10              | µg/L  | 10.0        |               | 104           | 70-130      | 5.86  | 25        |                   |
| Toluene                                           | 9.62   | 1.0             | µg/L  | 10.0        |               | 96.2          | 70-130      | 0.311 | 25        |                   |
| <b>1,2,3-Trichlorobenzene</b>                     | 14.2   | 5.0             | µg/L  | 10.0        |               | <b>142</b> *  | 70-130      | 0.705 | 25        | L-02, V-20        |
| 1,2,4-Trichlorobenzene                            | 11.6   | 1.0             | µg/L  | 10.0        |               | 116           | 70-130      | 1.13  | 25        |                   |
| 1,3,5-Trichlorobenzene                            | 10.4   | 1.0             | µg/L  | 10.0        |               | 104           | 70-130      | 0.00  | 25        |                   |
| 1,1,1-Trichloroethane                             | 8.90   | 1.0             | µg/L  | 10.0        |               | 89.0          | 70-130      | 1.23  | 25        |                   |
| 1,1,2-Trichloroethane                             | 9.68   | 1.0             | µg/L  | 10.0        |               | 96.8          | 70-130      | 0.414 | 25        |                   |
| Trichloroethylene                                 | 8.88   | 1.0             | µg/L  | 10.0        |               | 88.8          | 70-130      | 0.785 | 25        |                   |
| Trichlorofluoromethane (Freon 11)                 | 8.05   | 2.0             | µg/L  | 10.0        |               | 80.5          | 70-130      | 1.12  | 25        |                   |
| 1,2,3-Trichloropropane                            | 10.9   | 2.0             | µg/L  | 10.0        |               | 109           | 70-130      | 1.39  | 25        |                   |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.77   | 1.0             | µg/L  | 10.0        |               | 97.7          | 70-130      | 0.410 | 25        |                   |
| 1,2,4-Trimethylbenzene                            | 9.76   | 1.0             | µg/L  | 10.0        |               | 97.6          | 70-130      | 0.103 | 25        |                   |
| 1,3,5-Trimethylbenzene                            | 9.84   | 1.0             | µg/L  | 10.0        |               | 98.4          | 70-130      | 2.05  | 25        |                   |
| Vinyl Chloride                                    | 7.23   | 2.0             | µg/L  | 10.0        |               | 72.3          | 40-160      | 2.32  | 25        | †                 |
| m+p Xylene                                        | 20.3   | 2.0             | µg/L  | 20.0        |               | 102           | 70-130      | 2.79  | 25        |                   |
| o-Xylene                                          | 10.4   | 1.0             | µg/L  | 10.0        |               | 104           | 70-130      | 1.63  | 25        |                   |
| Surrogate: 1,2-Dichloroethane-d4                  | 24.1   |                 | µg/L  | 25.0        |               | 96.5          | 70-130      |       |           |                   |
| Surrogate: Toluene-d8                             | 25.2   |                 | µg/L  | 25.0        |               | 101           | 70-130      |       |           |                   |
| Surrogate: 4-Bromofluorobenzene                   | 25.3   |                 | µg/L  | 25.0        |               | 101           | 70-130      |       |           |                   |
| <b>Matrix Spike (B079321-MS1)</b>                 |        |                 |       |             |               |               |             |       |           |                   |
| Source: 13H0569-02 Prepared & Analyzed: 08/22/13  |        |                 |       |             |               |               |             |       |           |                   |
| Acetone                                           | 49500  | 25000           | µg/L  | 50000       | ND            | 98.9          | 70-130      |       |           |                   |
| Acrylonitrile                                     | 5800   | 2500            | µg/L  | 5000        | ND            | 116           | 70-130      |       |           |                   |
| tert-Amyl Methyl Ether (TAME)                     | 6000   | 250             | µg/L  | 5000        | ND            | 120           | 70-130      |       |           |                   |
| Benzene                                           | 5120   | 500             | µg/L  | 5000        | ND            | 102           | 70-130      |       |           |                   |
| Bromobenzene                                      | 5410   | 500             | µg/L  | 5000        | ND            | 108           | 70-130      |       |           |                   |
| Bromochloromethane                                | 5740   | 500             | µg/L  | 5000        | ND            | 115           | 70-130      |       |           |                   |
| Bromodichloromethane                              | 5180   | 250             | µg/L  | 5000        | ND            | 104           | 70-130      |       |           |                   |
| Bromoform                                         | 5350   | 500             | µg/L  | 5000        | ND            | 107           | 70-130      |       |           |                   |
| <b>Bromomethane</b>                               | 2060   | 1000            | µg/L  | 5000        | ND            | <b>41.3</b> * | 70-130      |       |           | MS-07A, V-20      |
| 2-Butanone (MEK)                                  | 62000  | 10000           | µg/L  | 50000       | ND            | 124           | 70-130      |       |           |                   |
| <b>tert-Butyl Alcohol (TBA)</b>                   | 66900  | 10000           | µg/L  | 50000       | ND            | <b>134</b> *  | 70-130      |       |           | MS-15, V-16       |
| n-Butylbenzene                                    | 5360   | 500             | µg/L  | 5000        | ND            | 107           | 70-130      |       |           |                   |
| sec-Butylbenzene                                  | 5600   | 500             | µg/L  | 5000        | ND            | 112           | 70-130      |       |           |                   |
| tert-Butylbenzene                                 | 5550   | 500             | µg/L  | 5000        | ND            | 111           | 70-130      |       |           |                   |
| tert-Butyl Ethyl Ether (TBEE)                     | 6140   | 250             | µg/L  | 5000        | ND            | 123           | 70-130      |       |           |                   |
| Carbon Disulfide                                  | 4490   | 2000            | µg/L  | 5000        | ND            | 89.8          | 70-130      |       |           |                   |
| Carbon Tetrachloride                              | 4880   | 2500            | µg/L  | 5000        | ND            | 97.5          | 70-130      |       |           |                   |
| Chlorobenzene                                     | 5850   | 500             | µg/L  | 5000        | ND            | 117           | 70-130      |       |           |                   |
| Chlorodibromomethane                              | 5300   | 250             | µg/L  | 5000        | ND            | 106           | 70-130      |       |           |                   |
| Chloroethane                                      | 4900   | 1000            | µg/L  | 5000        | ND            | 97.9          | 70-130      |       |           |                   |
| Chloroform                                        | 5180   | 1000            | µg/L  | 5000        | ND            | 104           | 70-130      |       |           |                   |
| <b>Chloromethane</b>                              | 1690   | 1000            | µg/L  | 5000        | ND            | <b>33.8</b> * | 70-130      |       |           | L-04, MS-09, V-05 |

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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result                    | Reporting Limit | Units | Spike Level                   | Source Result | %REC          | %REC Limits | RPD | RPD Limit | Notes             |
|---------------------------------------------------|---------------------------|-----------------|-------|-------------------------------|---------------|---------------|-------------|-----|-----------|-------------------|
| <b>Batch B079321 - SW-846 5030B</b>               |                           |                 |       |                               |               |               |             |     |           |                   |
| <b>Matrix Spike (B079321-MS1)</b>                 | <b>Source: 13H0569-02</b> |                 |       | Prepared & Analyzed: 08/22/13 |               |               |             |     |           |                   |
| 2-Chlorotoluene                                   | 5700                      | 500             | µg/L  | 5000                          | ND            | 114           | 70-130      |     |           |                   |
| 4-Chlorotoluene                                   | 5690                      | 500             | µg/L  | 5000                          | ND            | 114           | 70-130      |     |           |                   |
| <b>1,2-Dibromo-3-chloropropane (DBCP)</b>         | 7860                      | 2500            | µg/L  | 5000                          | ND            | <b>157</b> *  | 70-130      |     |           | MS-15             |
| 1,2-Dibromoethane (EDB)                           | 5930                      | 250             | µg/L  | 5000                          | ND            | 119           | 70-130      |     |           |                   |
| Dibromomethane                                    | 5570                      | 500             | µg/L  | 5000                          | ND            | 111           | 70-130      |     |           |                   |
| 1,2-Dichlorobenzene                               | 5980                      | 500             | µg/L  | 5000                          | ND            | 120           | 70-130      |     |           |                   |
| 1,3-Dichlorobenzene                               | 5640                      | 500             | µg/L  | 5000                          | ND            | 113           | 70-130      |     |           |                   |
| 1,4-Dichlorobenzene                               | 5200                      | 500             | µg/L  | 5000                          | ND            | 104           | 70-130      |     |           |                   |
| trans-1,4-Dichloro-2-butene                       | 4660                      | 1000            | µg/L  | 5000                          | ND            | 93.1          | 70-130      |     |           |                   |
| <b>Dichlorodifluoromethane (Freon 12)</b>         | 3070                      | 1000            | µg/L  | 5000                          | ND            | <b>61.4</b> * | 70-130      |     |           | MS-07A            |
| 1,1-Dichloroethane                                | 5420                      | 500             | µg/L  | 5000                          | ND            | 108           | 70-130      |     |           |                   |
| 1,2-Dichloroethane                                | 4510                      | 500             | µg/L  | 5000                          | ND            | 90.2          | 70-130      |     |           |                   |
| 1,1-Dichloroethylene                              | 4680                      | 500             | µg/L  | 5000                          | ND            | 93.6          | 70-130      |     |           |                   |
| cis-1,2-Dichloroethylene                          | 26800                     | 500             | µg/L  | 5000                          | 21900         | 98.2          | 70-130      |     |           |                   |
| trans-1,2-Dichloroethylene                        | 5470                      | 500             | µg/L  | 5000                          | ND            | 109           | 70-130      |     |           |                   |
| 1,2-Dichloropropane                               | 5460                      | 500             | µg/L  | 5000                          | ND            | 109           | 70-130      |     |           |                   |
| 1,3-Dichloropropane                               | 5600                      | 250             | µg/L  | 5000                          | ND            | 112           | 70-130      |     |           |                   |
| <b>2,2-Dichloropropane</b>                        | 3200                      | 500             | µg/L  | 5000                          | ND            | <b>64.0</b> * | 70-130      |     |           | MS-07A            |
| 1,1-Dichloropropene                               | 5160                      | 1000            | µg/L  | 5000                          | ND            | 103           | 70-130      |     |           |                   |
| cis-1,3-Dichloropropene                           | 5020                      | 250             | µg/L  | 5000                          | ND            | 100           | 70-130      |     |           |                   |
| trans-1,3-Dichloropropene                         | 5440                      | 250             | µg/L  | 5000                          | ND            | 109           | 70-130      |     |           |                   |
| Diethyl Ether                                     | 5040                      | 1000            | µg/L  | 5000                          | 260           | 95.7          | 70-130      |     |           |                   |
| Diisopropyl Ether (DIPE)                          | 6000                      | 250             | µg/L  | 5000                          | ND            | 120           | 70-130      |     |           |                   |
| 1,4-Dioxane                                       | 64500                     | 25000           | µg/L  | 50000                         | ND            | 129           | 70-130      |     |           | V-16              |
| Ethylbenzene                                      | 5280                      | 500             | µg/L  | 5000                          | ND            | 106           | 70-130      |     |           |                   |
| Hexachlorobutadiene                               | 5380                      | 250             | µg/L  | 5000                          | ND            | 108           | 70-130      |     |           |                   |
| 2-Hexanone (MBK)                                  | 64600                     | 5000            | µg/L  | 50000                         | ND            | 129           | 70-130      |     |           |                   |
| Isopropylbenzene (Cumene)                         | 5440                      | 500             | µg/L  | 5000                          | ND            | 109           | 70-130      |     |           |                   |
| p-Isopropyltoluene (p-Cymene)                     | 5660                      | 500             | µg/L  | 5000                          | ND            | 113           | 70-130      |     |           |                   |
| Methyl tert-Butyl Ether (MTBE)                    | 6420                      | 500             | µg/L  | 5000                          | ND            | 128           | 70-130      |     |           |                   |
| Methylene Chloride                                | 5820                      | 2500            | µg/L  | 5000                          | ND            | 116           | 70-130      |     |           |                   |
| 4-Methyl-2-pentanone (MIBK)                       | 62300                     | 5000            | µg/L  | 50000                         | ND            | 125           | 70-130      |     |           |                   |
| <b>Naphthalene</b>                                | 8560                      | 1000            | µg/L  | 5000                          | ND            | <b>171</b> *  | 70-130      |     |           | L-02, MS-15, V-20 |
| n-Propylbenzene                                   | 5860                      | 500             | µg/L  | 5000                          | ND            | 117           | 70-130      |     |           |                   |
| Styrene                                           | 5340                      | 500             | µg/L  | 5000                          | ND            | 107           | 70-130      |     |           |                   |
| 1,1,1,2-Tetrachloroethane                         | 5400                      | 500             | µg/L  | 5000                          | ND            | 108           | 70-130      |     |           |                   |
| 1,1,2,2-Tetrachloroethane                         | 6400                      | 250             | µg/L  | 5000                          | ND            | 128           | 70-130      |     |           |                   |
| Tetrachloroethylene                               | 5030                      | 500             | µg/L  | 5000                          | 110           | 98.4          | 70-130      |     |           |                   |
| Tetrahydrofuran                                   | 6410                      | 5000            | µg/L  | 5000                          | ND            | 128           | 70-130      |     |           |                   |
| Toluene                                           | 5220                      | 500             | µg/L  | 5000                          | ND            | 104           | 70-130      |     |           |                   |
| <b>1,2,3-Trichlorobenzene</b>                     | 8200                      | 2500            | µg/L  | 5000                          | ND            | <b>164</b> *  | 70-130      |     |           | MS-15, V-20, L-02 |
| 1,2,4-Trichlorobenzene                            | 6320                      | 500             | µg/L  | 5000                          | ND            | 126           | 70-130      |     |           |                   |
| 1,3,5-Trichlorobenzene                            | 5660                      | 500             | µg/L  | 5000                          | ND            | 113           | 70-130      |     |           |                   |
| 1,1,1-Trichloroethane                             | 5060                      | 500             | µg/L  | 5000                          | ND            | 101           | 70-130      |     |           |                   |
| 1,1,2-Trichloroethane                             | 5550                      | 500             | µg/L  | 5000                          | ND            | 111           | 70-130      |     |           |                   |
| Trichloroethylene                                 | 4920                      | 500             | µg/L  | 5000                          | ND            | 98.3          | 70-130      |     |           |                   |
| Trichlorofluoromethane (Freon 11)                 | 4540                      | 1000            | µg/L  | 5000                          | ND            | 90.7          | 70-130      |     |           |                   |
| 1,2,3-Trichloropropane                            | 6240                      | 1000            | µg/L  | 5000                          | ND            | 125           | 70-130      |     |           |                   |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 4940                      | 500             | µg/L  | 5000                          | ND            | 98.7          | 70-130      |     |           |                   |
| 1,2,4-Trimethylbenzene                            | 5320                      | 500             | µg/L  | 5000                          | ND            | 106           | 70-130      |     |           |                   |

## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                   | Result                    | Reporting Limit | Units | Spike Level                   | Source Result | %REC        | %REC Limits | RPD   | RPD Limit | Notes             |
|-------------------------------------------|---------------------------|-----------------|-------|-------------------------------|---------------|-------------|-------------|-------|-----------|-------------------|
| <b>Batch B079321 - SW-846 5030B</b>       |                           |                 |       |                               |               |             |             |       |           |                   |
| <b>Matrix Spike (B079321-MS1)</b>         | <b>Source: 13H0569-02</b> |                 |       | Prepared & Analyzed: 08/22/13 |               |             |             |       |           |                   |
| 1,3,5-Trimethylbenzene                    | 5140                      | 500             | µg/L  | 5000                          | ND            | 103         | 70-130      |       |           |                   |
| Vinyl Chloride                            | 4390                      | 1000            | µg/L  | 5000                          | 560           | 76.6        | 70-130      |       |           |                   |
| m+p Xylene                                | 10600                     | 1000            | µg/L  | 10000                         | ND            | 106         | 70-130      |       |           |                   |
| o-Xylene                                  | 5620                      | 500             | µg/L  | 5000                          | ND            | 112         | 70-130      |       |           |                   |
| Surrogate: 1,2-Dichloroethane-d4          | 25.0                      |                 | µg/L  | 25.0                          |               | 100         | 70-130      |       |           |                   |
| Surrogate: Toluene-d8                     | 24.9                      |                 | µg/L  | 25.0                          |               | 99.4        | 70-130      |       |           |                   |
| Surrogate: 4-Bromofluorobenzene           | 24.7                      |                 | µg/L  | 25.0                          |               | 98.8        | 70-130      |       |           |                   |
| <b>Matrix Spike Dup (B079321-MSD1)</b>    | <b>Source: 13H0569-02</b> |                 |       | Prepared & Analyzed: 08/22/13 |               |             |             |       |           |                   |
| Acetone                                   | 50500                     | 25000           | µg/L  | 50000                         | ND            | 101         | 70-130      | 2.12  | 30        |                   |
| Acrylonitrile                             | 6000                      | 2500            | µg/L  | 5000                          | ND            | 120         | 70-130      | 3.39  | 30        |                   |
| tert-Amyl Methyl Ether (TAME)             | 5940                      | 250             | µg/L  | 5000                          | ND            | 119         | 70-130      | 0.921 | 30        |                   |
| Benzene                                   | 5360                      | 500             | µg/L  | 5000                          | ND            | 107         | 70-130      | 4.48  | 30        |                   |
| Bromobenzene                              | 5460                      | 500             | µg/L  | 5000                          | ND            | 109         | 70-130      | 1.01  | 30        |                   |
| Bromochloromethane                        | 5740                      | 500             | µg/L  | 5000                          | ND            | 115         | 70-130      | 0.174 | 30        |                   |
| Bromodichloromethane                      | 4840                      | 250             | µg/L  | 5000                          | ND            | 96.8        | 70-130      | 6.88  | 30        |                   |
| Bromoform                                 | 5300                      | 500             | µg/L  | 5000                          | ND            | 106         | 70-130      | 0.939 | 30        |                   |
| <b>Bromomethane</b>                       | 2180                      | 1000            | µg/L  | 5000                          | ND            | <b>43.6</b> | * 70-130    | 5.42  | 30        | MS-07A, V-20      |
| 2-Butanone (MEK)                          | 60200                     | 10000           | µg/L  | 50000                         | ND            | 120         | 70-130      | 2.98  | 30        |                   |
| <b>tert-Butyl Alcohol (TBA)</b>           | 75000                     | 10000           | µg/L  | 50000                         | ND            | <b>150</b>  | * 70-130    | 11.4  | 30        | MS-15, V-16       |
| n-Butylbenzene                            | 5300                      | 500             | µg/L  | 5000                          | ND            | 106         | 70-130      | 1.12  | 30        |                   |
| sec-Butylbenzene                          | 5580                      | 500             | µg/L  | 5000                          | ND            | 112         | 70-130      | 0.358 | 30        |                   |
| tert-Butylbenzene                         | 5400                      | 500             | µg/L  | 5000                          | ND            | 108         | 70-130      | 2.83  | 30        |                   |
| tert-Butyl Ethyl Ether (TBEE)             | 6000                      | 250             | µg/L  | 5000                          | ND            | 120         | 70-130      | 2.22  | 30        |                   |
| Carbon Disulfide                          | 4370                      | 2000            | µg/L  | 5000                          | ND            | 87.4        | 70-130      | 2.71  | 30        |                   |
| Carbon Tetrachloride                      | 5060                      | 2500            | µg/L  | 5000                          | ND            | 101         | 70-130      | 3.72  | 30        |                   |
| Chlorobenzene                             | 5660                      | 500             | µg/L  | 5000                          | ND            | 113         | 70-130      | 3.39  | 30        |                   |
| Chlorodibromomethane                      | 5140                      | 250             | µg/L  | 5000                          | ND            | 103         | 70-130      | 3.16  | 30        |                   |
| Chloroethane                              | 4500                      | 1000            | µg/L  | 5000                          | ND            | 89.9        | 70-130      | 8.52  | 30        |                   |
| Chloroform                                | 5170                      | 1000            | µg/L  | 5000                          | ND            | 103         | 70-130      | 0.290 | 30        |                   |
| <b>Chloromethane</b>                      | 1300                      | 1000            | µg/L  | 5000                          | ND            | <b>26.0</b> | * 70-130    | 26.1  | 30        | L-04, MS-09, V-05 |
| 2-Chlorotoluene                           | 5500                      | 500             | µg/L  | 5000                          | ND            | 110         | 70-130      | 3.57  | 30        |                   |
| 4-Chlorotoluene                           | 5740                      | 500             | µg/L  | 5000                          | ND            | 115         | 70-130      | 0.962 | 30        |                   |
| <b>1,2-Dibromo-3-chloropropane (DBCP)</b> | 7590                      | 2500            | µg/L  | 5000                          | ND            | <b>152</b>  | * 70-130    | 3.43  | 30        | MS-15             |
| 1,2-Dibromoethane (EDB)                   | 5720                      | 250             | µg/L  | 5000                          | ND            | 114         | 70-130      | 3.61  | 30        |                   |
| Dibromomethane                            | 5730                      | 500             | µg/L  | 5000                          | ND            | 115         | 70-130      | 2.83  | 30        |                   |
| 1,2-Dichlorobenzene                       | 5710                      | 500             | µg/L  | 5000                          | ND            | 114         | 70-130      | 4.62  | 30        |                   |
| 1,3-Dichlorobenzene                       | 5670                      | 500             | µg/L  | 5000                          | ND            | 113         | 70-130      | 0.531 | 30        |                   |
| 1,4-Dichlorobenzene                       | 5190                      | 500             | µg/L  | 5000                          | ND            | 104         | 70-130      | 0.192 | 30        |                   |
| trans-1,4-Dichloro-2-butene               | 4510                      | 1000            | µg/L  | 5000                          | ND            | 90.2        | 70-130      | 3.16  | 30        |                   |
| <b>Dichlorodifluoromethane (Freon 12)</b> | 3060                      | 1000            | µg/L  | 5000                          | ND            | <b>61.3</b> | * 70-130    | 0.163 | 30        | MS-07A            |
| 1,1-Dichloroethane                        | 5370                      | 500             | µg/L  | 5000                          | ND            | 107         | 70-130      | 0.834 | 30        |                   |
| 1,2-Dichloroethane                        | 4380                      | 500             | µg/L  | 5000                          | ND            | 87.7        | 70-130      | 2.81  | 30        |                   |
| 1,1-Dichloroethylene                      | 4800                      | 500             | µg/L  | 5000                          | ND            | 95.9        | 70-130      | 2.43  | 30        |                   |
| cis-1,2-Dichloroethylene                  | 27100                     | 500             | µg/L  | 5000                          | 21900         | 105         | 70-130      | 1.19  | 30        |                   |
| trans-1,2-Dichloroethylene                | 5600                      | 500             | µg/L  | 5000                          | ND            | 112         | 70-130      | 2.26  | 30        |                   |
| 1,2-Dichloropropane                       | 5220                      | 500             | µg/L  | 5000                          | ND            | 104         | 70-130      | 4.40  | 30        |                   |
| 1,3-Dichloropropane                       | 5440                      | 250             | µg/L  | 5000                          | ND            | 109         | 70-130      | 2.90  | 30        |                   |
| <b>2,2-Dichloropropane</b>                | 2980                      | 500             | µg/L  | 5000                          | ND            | <b>59.5</b> | * 70-130    | 7.29  | 30        | MS-07A            |
| 1,1-Dichloropropene                       | 5020                      | 1000            | µg/L  | 5000                          | ND            | 100         | 70-130      | 2.75  | 30        |                   |
| cis-1,3-Dichloropropene                   | 4790                      | 250             | µg/L  | 5000                          | ND            | 95.8        | 70-130      | 4.59  | 30        |                   |
| trans-1,3-Dichloropropene                 | 5280                      | 250             | µg/L  | 5000                          | ND            | 106         | 70-130      | 2.99  | 30        |                   |

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## QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

| Analyte                                           | Result | Reporting Limit           | Units | Spike Level                   | Source Result | %REC       | %REC Limits | RPD    | RPD Limit | Notes             |
|---------------------------------------------------|--------|---------------------------|-------|-------------------------------|---------------|------------|-------------|--------|-----------|-------------------|
| <b>Batch B079321 - SW-846 5030B</b>               |        |                           |       |                               |               |            |             |        |           |                   |
| <b>Matrix Spike Dup (B079321-MSD1)</b>            |        | <b>Source: 13H0569-02</b> |       | Prepared & Analyzed: 08/22/13 |               |            |             |        |           |                   |
| Diethyl Ether                                     | 5040   | 1000                      | µg/L  | 5000                          | 260           | 95.7       | 70-130      | 0.00   | 30        |                   |
| Diisopropyl Ether (DIPE)                          | 5700   | 250                       | µg/L  | 5000                          | ND            | 114        | 70-130      | 5.30   | 30        |                   |
| 1,4-Dioxane                                       | 63700  | 25000                     | µg/L  | 50000                         | ND            | 127        | 70-130      | 1.33   | 30        | V-16              |
| Ethylbenzene                                      | 5160   | 500                       | µg/L  | 5000                          | ND            | 103        | 70-130      | 2.20   | 30        |                   |
| Hexachlorobutadiene                               | 5320   | 250                       | µg/L  | 5000                          | ND            | 106        | 70-130      | 1.12   | 30        |                   |
| 2-Hexanone (MBK)                                  | 62800  | 5000                      | µg/L  | 50000                         | ND            | 126        | 70-130      | 2.85   | 30        |                   |
| Isopropylbenzene (Cumene)                         | 5610   | 500                       | µg/L  | 5000                          | ND            | 112        | 70-130      | 3.08   | 30        |                   |
| p-Isopropyltoluene (p-Cymene)                     | 5600   | 500                       | µg/L  | 5000                          | ND            | 112        | 70-130      | 1.16   | 30        |                   |
| Methyl tert-Butyl Ether (MTBE)                    | 6380   | 500                       | µg/L  | 5000                          | ND            | 128        | 70-130      | 0.469  | 30        |                   |
| Methylene Chloride                                | 5560   | 2500                      | µg/L  | 5000                          | ND            | 111        | 70-130      | 4.39   | 30        |                   |
| 4-Methyl-2-pentanone (MIBK)                       | 61300  | 5000                      | µg/L  | 50000                         | ND            | 123        | 70-130      | 1.57   | 30        |                   |
| <b>Naphthalene</b>                                | 8560   | 1000                      | µg/L  | 5000                          | ND            | <b>171</b> | * 70-130    | 0.0584 | 30        | L-02, MS-15, V-20 |
| n-Propylbenzene                                   | 5840   | 500                       | µg/L  | 5000                          | ND            | 117        | 70-130      | 0.342  | 30        |                   |
| Styrene                                           | 5330   | 500                       | µg/L  | 5000                          | ND            | 107        | 70-130      | 0.0938 | 30        |                   |
| 1,1,1,2-Tetrachloroethane                         | 5200   | 500                       | µg/L  | 5000                          | ND            | 104        | 70-130      | 3.87   | 30        |                   |
| 1,1,2,2-Tetrachloroethane                         | 6440   | 250                       | µg/L  | 5000                          | ND            | 129        | 70-130      | 0.701  | 30        |                   |
| Tetrachloroethylene                               | 5040   | 500                       | µg/L  | 5000                          | 110           | 98.7       | 70-130      | 0.298  | 30        |                   |
| Tetrahydrofuran                                   | 6360   | 5000                      | µg/L  | 5000                          | ND            | 127        | 70-130      | 0.783  | 30        |                   |
| Toluene                                           | 5140   | 500                       | µg/L  | 5000                          | ND            | 103        | 70-130      | 1.54   | 30        |                   |
| <b>1,2,3-Trichlorobenzene</b>                     | 8320   | 2500                      | µg/L  | 5000                          | ND            | <b>166</b> | * 70-130    | 1.57   | 30        | L-02, MS-15, V-20 |
| 1,2,4-Trichlorobenzene                            | 6200   | 500                       | µg/L  | 5000                          | ND            | 124        | 70-130      | 1.84   | 30        |                   |
| 1,3,5-Trichlorobenzene                            | 5630   | 500                       | µg/L  | 5000                          | ND            | 113        | 70-130      | 0.443  | 30        |                   |
| 1,1,1-Trichloroethane                             | 4960   | 500                       | µg/L  | 5000                          | ND            | 99.1       | 70-130      | 2.10   | 30        |                   |
| 1,1,2-Trichloroethane                             | 5370   | 500                       | µg/L  | 5000                          | ND            | 107        | 70-130      | 3.30   | 30        |                   |
| Trichloroethylene                                 | 5020   | 500                       | µg/L  | 5000                          | ND            | 100        | 70-130      | 2.01   | 30        |                   |
| Trichlorofluoromethane (Freon 11)                 | 4640   | 1000                      | µg/L  | 5000                          | ND            | 92.7       | 70-130      | 2.18   | 30        |                   |
| 1,2,3-Trichloropropane                            | 6300   | 1000                      | µg/L  | 5000                          | ND            | 126        | 70-130      | 0.958  | 30        |                   |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5240   | 500                       | µg/L  | 5000                          | ND            | 105        | 70-130      | 6.09   | 30        |                   |
| 1,2,4-Trimethylbenzene                            | 5120   | 500                       | µg/L  | 5000                          | ND            | 102        | 70-130      | 3.93   | 30        |                   |
| 1,3,5-Trimethylbenzene                            | 5220   | 500                       | µg/L  | 5000                          | ND            | 104        | 70-130      | 1.54   | 30        |                   |
| Vinyl Chloride                                    | 4480   | 1000                      | µg/L  | 5000                          | 560           | 78.5       | 70-130      | 2.14   | 30        |                   |
| m+p Xylene                                        | 10600  | 1000                      | µg/L  | 10000                         | ND            | 106        | 70-130      | 0.0471 | 20        |                   |
| o-Xylene                                          | 5480   | 500                       | µg/L  | 5000                          | ND            | 110        | 70-130      | 2.43   | 30        |                   |
| Surrogate: 1,2-Dichloroethane-d4                  | 25.4   |                           | µg/L  | 25.0                          |               | 102        | 70-130      |        |           |                   |
| Surrogate: Toluene-d8                             | 25.0   |                           | µg/L  | 25.0                          |               | 99.9       | 70-130      |        |           |                   |
| Surrogate: 4-Bromofluorobenzene                   | 25.2   |                           | µg/L  | 25.0                          |               | 101        | 70-130      |        |           |                   |

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**QUALITY CONTROL**
**Metals Analyses (Total) - Quality Control**

| Analyte                                | Result | Reporting<br>Limit | Units | Spike<br>Level                | Source<br>Result | %REC                          | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|----------------------------------------|--------|--------------------|-------|-------------------------------|------------------|-------------------------------|----------------|-------|--------------|-------|
| <b>Batch B079102 - SW-846 3005A</b>    |        |                    |       |                               |                  |                               |                |       |              |       |
| <b>Blank (B079102-BLK1)</b>            |        |                    |       | Prepared & Analyzed: 08/20/13 |                  |                               |                |       |              |       |
| Iron                                   | ND     | 0.050              | mg/L  |                               |                  |                               |                |       |              |       |
| <b>LCS (B079102-BS1)</b>               |        |                    |       | Prepared & Analyzed: 08/20/13 |                  |                               |                |       |              |       |
| Iron                                   | 0.509  | 0.050              | mg/L  | 0.500                         |                  | 102                           | 80-120         |       |              |       |
| <b>LCS Dup (B079102-BSD1)</b>          |        |                    |       | Prepared & Analyzed: 08/20/13 |                  |                               |                |       |              |       |
| Iron                                   | 0.512  | 0.050              | mg/L  | 0.500                         |                  | 102                           | 80-120         | 0.476 | 20           |       |
| <b>Duplicate (B079102-DUP1)</b>        |        |                    |       | <b>Source: 13H0569-02</b>     |                  | Prepared & Analyzed: 08/20/13 |                |       |              |       |
| Iron                                   | 0.274  | 0.050              | mg/L  |                               | 0.268            |                               |                | 2.32  | 20           |       |
| <b>Matrix Spike (B079102-MS1)</b>      |        |                    |       | <b>Source: 13H0569-02</b>     |                  | Prepared & Analyzed: 08/20/13 |                |       |              |       |
| Iron                                   | 0.743  | 0.050              | mg/L  | 0.500                         | 0.268            | 95.1                          | 75-125         |       |              |       |
| <b>Matrix Spike Dup (B079102-MSD1)</b> |        |                    |       | <b>Source: 13H0569-02</b>     |                  | Prepared & Analyzed: 08/20/13 |                |       |              |       |
| Iron                                   | 0.757  | 0.050              | mg/L  | 0.500                         | 0.268            | 97.8                          | 75-125         | 1.76  | 20           |       |



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**QUALITY CONTROL**
**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

| Analyte                                    | Result | Reporting Limit | Units    | Spike Level                   | Source Result | %REC                          | %REC Limits | RPD   | RPD Limit | Notes |
|--------------------------------------------|--------|-----------------|----------|-------------------------------|---------------|-------------------------------|-------------|-------|-----------|-------|
| <b>Batch B078867 - SM 18-20 4500 NO2 B</b> |        |                 |          |                               |               |                               |             |       |           |       |
| <b>Blank (B078867-BLK1)</b>                |        |                 |          | Prepared & Analyzed: 08/15/13 |               |                               |             |       |           |       |
| Nitrite as N                               | ND     | 0.010           | mg/L     |                               |               |                               |             |       |           |       |
| <b>LCS (B078867-BS1)</b>                   |        |                 |          | Prepared & Analyzed: 08/15/13 |               |                               |             |       |           |       |
| Nitrite as N                               | 0.10   | 0.010           | mg/L     | 0.100                         |               | 102                           | 93.5-108    |       |           |       |
| <b>LCS Dup (B078867-BSD1)</b>              |        |                 |          | Prepared & Analyzed: 08/15/13 |               |                               |             |       |           |       |
| Nitrite as N                               | 0.10   | 0.010           | mg/L     | 0.100                         |               | 101                           | 93.5-108    | 0.688 | 5.38      |       |
| <b>Matrix Spike (B078867-MS1)</b>          |        |                 |          | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/15/13 |             |       |           |       |
| Nitrite as N                               | 0.10   | 0.010           | mg/L     | 0.100                         | ND            | 101                           | 78-110      |       |           |       |
| <b>Matrix Spike Dup (B078867-MSD1)</b>     |        |                 |          | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/15/13 |             |       |           |       |
| Nitrite as N                               | 0.10   | 0.010           | mg/L     | 0.100                         | ND            | 103                           | 78-110      | 1.71  | 20        |       |
| <b>Batch B078961 - SM18-20 2510B</b>       |        |                 |          |                               |               |                               |             |       |           |       |
| <b>Blank (B078961-BLK1)</b>                |        |                 |          | Prepared & Analyzed: 08/16/13 |               |                               |             |       |           |       |
| Specific conductance                       | ND     | 2.0             | µmhos/cm |                               |               |                               |             |       |           |       |
| <b>LCS (B078961-BS1)</b>                   |        |                 |          | Prepared & Analyzed: 08/16/13 |               |                               |             |       |           |       |
| Specific conductance                       | 140    | 2.0             | µmhos/cm | 147                           |               | 98.1                          | 86.7-102    |       |           |       |
| <b>Duplicate (B078961-DUP1)</b>            |        |                 |          | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/16/13 |             |       |           |       |
| Specific conductance                       | 1200   | 2.0             | µmhos/cm |                               | 1200          |                               |             | 0.154 | 22.4      |       |
| <b>Batch B078962 - SM18-20 2320B</b>       |        |                 |          |                               |               |                               |             |       |           |       |
| <b>Blank (B078962-BLK1)</b>                |        |                 |          | Prepared & Analyzed: 08/16/13 |               |                               |             |       |           |       |
| Alkalinity                                 | ND     | 1.0             | mg/L     |                               |               |                               |             |       |           |       |
| <b>LCS (B078962-BS1)</b>                   |        |                 |          | Prepared & Analyzed: 08/16/13 |               |                               |             |       |           |       |
| Alkalinity                                 | 53     |                 | mg/L     | 52.3                          |               | 101                           | 85.9-108    |       |           |       |
| <b>LCS Dup (B078962-BSD1)</b>              |        |                 |          | Prepared & Analyzed: 08/16/13 |               |                               |             |       |           |       |
| Alkalinity                                 | 52     |                 | mg/L     | 52.3                          |               | 99.4                          | 85.9-108    | 2.00  | 3.52      |       |
| <b>Batch B079021 - SM 5310B</b>            |        |                 |          |                               |               |                               |             |       |           |       |
| <b>Blank (B079021-BLK1)</b>                |        |                 |          | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Total Organic Carbon                       | ND     | 1.0             | mg/L     |                               |               |                               |             |       |           |       |

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## QUALITY CONTROL

## Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

| Analyte                                  | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC                          | %REC Limits | RPD   | RPD Limit | Notes |
|------------------------------------------|--------|-----------------|-------|-------------------------------|---------------|-------------------------------|-------------|-------|-----------|-------|
| <b>Batch B079021 - SM 5310B</b>          |        |                 |       |                               |               |                               |             |       |           |       |
| <b>LCS (B079021-BS1)</b>                 |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Total Organic Carbon                     | 9.23   | 1.0             | mg/L  | 10.0                          |               | 92.3                          | 90.2-110    |       |           |       |
| <b>LCS Dup (B079021-BSD1)</b>            |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Total Organic Carbon                     | 9.21   | 1.0             | mg/L  | 10.0                          |               | 92.1                          | 90.2-110    | 0.293 | 7.59      |       |
| <b>Matrix Spike (B079021-MS1)</b>        |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/19/13 |             |       |           |       |
| Total Organic Carbon                     | 17.2   | 1.0             | mg/L  | 5.00                          | 13.8          | 68.2                          | 42.3-156    |       |           |       |
| <b>Matrix Spike Dup (B079021-MSD1)</b>   |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/19/13 |             |       |           |       |
| Total Organic Carbon                     | 19.2   | 1.0             | mg/L  | 5.00                          | 13.8          | 108                           | 42.3-156    | 11.0  | 12.8      |       |
| <b>Batch B079053 - SM18-20 4500S-E</b>   |        |                 |       |                               |               |                               |             |       |           |       |
| <b>Blank (B079053-BLK1)</b>              |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Sulfide                                  | ND     | 2.0             | mg/L  |                               |               |                               |             |       |           | L-03  |
| <b>LCS (B079053-BS1)</b>                 |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Sulfide                                  | 8.4    | 2.0             | mg/L  | 14.9                          |               | 56.4 *                        | 85-115      |       |           | L-03  |
| <b>Batch B079056 - SM18-20 4500 CL B</b> |        |                 |       |                               |               |                               |             |       |           |       |
| <b>Blank (B079056-BLK1)</b>              |        |                 |       | Prepared & Analyzed: 08/21/13 |               |                               |             |       |           |       |
| Chloride                                 | ND     | 1.0             | mg/L  |                               |               |                               |             |       |           |       |
| <b>LCS (B079056-BS1)</b>                 |        |                 |       | Prepared & Analyzed: 08/21/13 |               |                               |             |       |           |       |
| Chloride                                 | 12     |                 | mg/L  | 13.0                          |               | 94.4                          | 84.4-115    |       |           |       |
| <b>LCS Dup (B079056-BSD1)</b>            |        |                 |       | Prepared & Analyzed: 08/21/13 |               |                               |             |       |           |       |
| Chloride                                 | 12     |                 | mg/L  | 13.0                          |               | 94.4                          | 84.4-115    | 0.00  | 8.29      |       |
| <b>Matrix Spike (B079056-MS1)</b>        |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/21/13 |             |       |           |       |
| Chloride                                 | 200    | 5.0             | mg/L  | 50.0                          | 150           | 110                           | 75.6-125    |       |           |       |
| <b>Matrix Spike Dup (B079056-MSD1)</b>   |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/21/13 |             |       |           |       |
| Chloride                                 | 200    | 5.0             | mg/L  | 50.0                          | 150           | 105                           | 75.6-125    | 1.22  | 20        |       |
| <b>Batch B079065 - SM 4500 NO3-F</b>     |        |                 |       |                               |               |                               |             |       |           |       |
| <b>Blank (B079065-BLK1)</b>              |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Nitrate as N                             | ND     | 0.050           | mg/L  |                               |               |                               |             |       |           |       |

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**QUALITY CONTROL**
**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

| Analyte                                  | Result | Reporting Limit | Units | Spike Level                   | Source Result | %REC                          | %REC Limits | RPD   | RPD Limit | Notes |
|------------------------------------------|--------|-----------------|-------|-------------------------------|---------------|-------------------------------|-------------|-------|-----------|-------|
| <b>Batch B079065 - SM 4500 NO3-F</b>     |        |                 |       |                               |               |                               |             |       |           |       |
| <b>LCS (B079065-BS1)</b>                 |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Nitrate as N                             | 4.7    |                 | mg/L  | 4.78                          |               | 98.7                          | 92.8-107    |       |           |       |
| <b>LCS Dup (B079065-BSD1)</b>            |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Nitrate as N                             | 4.7    |                 | mg/L  | 4.78                          |               | 97.9                          | 92.8-107    | 0.851 | 3.97      |       |
| <b>Matrix Spike (B079065-MS1)</b>        |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/19/13 |             |       |           |       |
| Nitrate as N                             | 4.1    | 0.050           | mg/L  | 3.98                          | ND            | 102                           | 77.7-122    |       |           |       |
| <b>Matrix Spike Dup (B079065-MSD1)</b>   |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/19/13 |             |       |           |       |
| Nitrate as N                             | 3.9    | 0.050           | mg/L  | 3.98                          | ND            | 97.9                          | 77.7-122    | 4.02  | 20        |       |
| <b>Batch B079077 - SM18-20 3500 Fe D</b> |        |                 |       |                               |               |                               |             |       |           |       |
| <b>Blank (B079077-BLK1)</b>              |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Ferrous Iron                             | ND     | 0.20            | mg/L  |                               |               |                               |             |       |           |       |
| <b>LCS (B079077-BS1)</b>                 |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Ferrous Iron                             | 0.81   | 0.20            | mg/L  | 0.796                         |               | 102                           | 85.4-109    |       |           |       |
| <b>LCS Dup (B079077-BSD1)</b>            |        |                 |       | Prepared & Analyzed: 08/19/13 |               |                               |             |       |           |       |
| Ferrous Iron                             | 0.79   | 0.20            | mg/L  | 0.796                         |               | 99.1                          | 85.4-109    | 2.59  | 3.71      |       |
| <b>Matrix Spike (B079077-MS1)</b>        |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/19/13 |             |       |           |       |
| Ferrous Iron                             | 0.91   | 0.20            | mg/L  | 0.796                         | 0.20          | 89.2                          | 86.6-119    |       |           |       |
| <b>Matrix Spike Dup (B079077-MSD1)</b>   |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/19/13 |             |       |           |       |
| Ferrous Iron                             | 0.89   | 0.20            | mg/L  | 0.796                         | 0.20          | 87.5                          | 86.6-119    | 1.53  | 20        |       |
| <b>Batch B079386 - ASTM D516-90, 02</b>  |        |                 |       |                               |               |                               |             |       |           |       |
| <b>Blank (B079386-BLK1)</b>              |        |                 |       | Prepared & Analyzed: 08/22/13 |               |                               |             |       |           |       |
| Sulfate                                  | ND     | 2.0             | mg/L  |                               |               |                               |             |       |           |       |
| <b>LCS (B079386-BS1)</b>                 |        |                 |       | Prepared & Analyzed: 08/22/13 |               |                               |             |       |           |       |
| Sulfate                                  | 18     | 2.0             | mg/L  | 20.0                          |               | 90.7                          | 80.5-116    |       |           |       |
| <b>LCS Dup (B079386-BSD1)</b>            |        |                 |       | Prepared & Analyzed: 08/22/13 |               |                               |             |       |           |       |
| Sulfate                                  | 18     | 2.0             | mg/L  | 20.0                          |               | 90.2                          | 80.5-116    | 0.497 | 11        |       |
| <b>Matrix Spike (B079386-MS1)</b>        |        |                 |       | <b>Source: 13H0569-02</b>     |               | Prepared & Analyzed: 08/22/13 |             |       |           |       |
| Sulfate                                  | 270    | 20              | mg/L  | 200                           | 82            | 93.0                          | 44-141      |       |           |       |

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**QUALITY CONTROL**
**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B079386 - ASTM D516-90, 02**
**Matrix Spike Dup (B079386-MSD1)**
**Source: 13H0569-02**

Prepared &amp; Analyzed: 08/22/13

|         |     |    |      |     |    |      |        |      |    |  |
|---------|-----|----|------|-----|----|------|--------|------|----|--|
| Sulfate | 260 | 20 | mg/L | 200 | 82 | 90.7 | 44-141 | 1.73 | 20 |  |
|---------|-----|----|------|-----|----|------|--------|------|----|--|

# FLAG/QUALIFIER SUMMARY

|        |                                                                                                                                                                                                                                                           |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *      | QC result is outside of established limits.                                                                                                                                                                                                               |
| †      | Wide recovery limits established for difficult compound.                                                                                                                                                                                                  |
| ‡      | Wide RPD limits established for difficult compound.                                                                                                                                                                                                       |
| #      | Data exceeded client recommended or regulatory level                                                                                                                                                                                                      |
|        | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.                                                                                                    |
|        | No results have been blank subtracted unless specified in the case narrative section.                                                                                                                                                                     |
| L-02   | Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side. |
| L-03   | Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.                                                                                      |
| L-04   | Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.                                                              |
| L-07   | Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.                                  |
| MS-07A | Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.  |
| MS-09  | Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.                            |
| MS-15  | Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.                               |
| RL-11  | Elevated reporting limit due to high concentration of target compounds.                                                                                                                                                                                   |
| V-05   | Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.                                     |
| V-16   | Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.                                                                                                            |
| V-20   | Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.                                                                      |

**CERTIFICATIONS**
**Certified Analyses included in this Report**

| Analyte                                    | Certifications          |
|--------------------------------------------|-------------------------|
| <b><i>ASTM D516-90, 02 in Water</i></b>    |                         |
| Sulfate                                    | NY,NH,MA,CT,RI,VA       |
| <b><i>SM 18-20 4500 NO2 B in Water</i></b> |                         |
| Nitrite as N                               | CT,NH,NY,ME,NC,VA       |
| <b><i>SM 18-20 4500 NO3 F in Water</i></b> |                         |
| Nitrate as N                               | CT,MA,NH,NY,RI,ME,NC,VA |
| <b><i>SM 5310B in Water</i></b>            |                         |
| Total Organic Carbon                       | CT,MA,NH,NY,RI,NC,ME,VA |
| <b><i>SM18-20 2320B in Water</i></b>       |                         |
| Alkalinity                                 | CT,MA,NH,NY,RI,NC,ME,VA |
| <b><i>SM18-20 2510B in Water</i></b>       |                         |
| Specific conductance                       | CT,MA,NH,NY,RI,NC,ME,VA |
| <b><i>SM18-20 4500 CL B in Water</i></b>   |                         |
| Chloride                                   | NH,CT,MA,NY,RI,NC,ME,VA |
| <b><i>SM18-20 4500S-E in Water</i></b>     |                         |
| Sulfide                                    | CT,NH,NY,RI,NC,ME,VA    |
| <b><i>SW-846 6010C in Water</i></b>        |                         |
| Iron                                       | CT,NH,NY,ME,NC,VA       |
| <b><i>SW-846 8260C in Water</i></b>        |                         |
| Acetone                                    | CT,NY,ME,NH,VA          |
| Acrylonitrile                              | CT,NY,ME,NH,VA          |
| tert-Amyl Methyl Ether (TAME)              | NY,ME,NH,VA             |
| Benzene                                    | CT,NY,ME,NH,VA          |
| Bromochloromethane                         | NY,ME,NH,VA             |
| Bromodichloromethane                       | CT,NY,ME,NH,VA          |
| Bromoform                                  | CT,NY,ME,NH,VA          |
| Bromomethane                               | CT,NY,ME,NH,VA          |
| 2-Butanone (MEK)                           | CT,NY,ME,NH,VA          |
| tert-Butyl Alcohol (TBA)                   | NY,ME,NH,VA             |
| n-Butylbenzene                             | NY,ME,VA                |
| sec-Butylbenzene                           | NY,ME,VA                |
| tert-Butylbenzene                          | NY,ME,VA                |
| tert-Butyl Ethyl Ether (TBEE)              | NY,ME,NH,VA             |
| Carbon Disulfide                           | CT,NY,ME,NH,VA          |
| Carbon Tetrachloride                       | CT,NY,ME,NH,VA          |
| Chlorobenzene                              | CT,NY,ME,NH,VA          |
| Chlorodibromomethane                       | CT,NY,ME,NH,VA          |
| Chloroethane                               | CT,NY,ME,NH,VA          |
| Chloroform                                 | CT,NY,ME,NH,VA          |
| Chloromethane                              | CT,NY,ME,NH,VA          |
| 2-Chlorotoluene                            | NY,ME,NH,VA             |
| 4-Chlorotoluene                            | NY,ME,NH,VA             |
| Dibromomethane                             | NY,ME,NH,VA             |
| 1,2-Dichlorobenzene                        | CT,NY,ME,NH,VA          |
| 1,3-Dichlorobenzene                        | CT,NY,ME,NH,VA          |

**CERTIFICATIONS**
**Certified Analyses included in this Report**

| Analyte                                           | Certifications |
|---------------------------------------------------|----------------|
| <i>SW-846 8260C in Water</i>                      |                |
| 1,4-Dichlorobenzene                               | CT,NY,ME,NH,VA |
| trans-1,4-Dichloro-2-butene                       | NY,ME,NH,VA    |
| Dichlorodifluoromethane (Freon 12)                | NY,ME,NH,VA    |
| 1,1-Dichloroethane                                | CT,NY,ME,NH,VA |
| 1,2-Dichloroethane                                | CT,NY,ME,NH,VA |
| 1,1-Dichloroethylene                              | CT,NY,ME,NH,VA |
| cis-1,2-Dichloroethylene                          | NY,ME          |
| trans-1,2-Dichloroethylene                        | CT,NY,ME,NH,VA |
| 1,2-Dichloropropane                               | CT,NY,ME,NH,VA |
| 1,3-Dichloropropane                               | NY,ME,VA       |
| 2,2-Dichloropropane                               | NY,ME,NH,VA    |
| 1,1-Dichloropropene                               | NY,ME,NH,VA    |
| cis-1,3-Dichloropropene                           | CT,NY,ME,NH,VA |
| trans-1,3-Dichloropropene                         | CT,NY,ME,NH,VA |
| Diisopropyl Ether (DIPE)                          | NY,ME,NH,VA    |
| Ethylbenzene                                      | CT,NY,ME,NH,VA |
| Hexachlorobutadiene                               | CT,NY,ME,NH,VA |
| 2-Hexanone (MBK)                                  | CT,NY,ME,NH,VA |
| Isopropylbenzene (Cumene)                         | NY,ME,VA       |
| p-Isopropyltoluene (p-Cymene)                     | CT,NY,ME,NH,VA |
| Methyl tert-Butyl Ether (MTBE)                    | CT,NY,ME,NH,VA |
| Methylene Chloride                                | CT,NY,ME,NH,VA |
| 4-Methyl-2-pentanone (MIBK)                       | CT,NY,ME,NH,VA |
| Naphthalene                                       | NY,ME,NH,VA    |
| n-Propylbenzene                                   | CT,NY,ME,NH,VA |
| Styrene                                           | CT,NY,ME,NH,VA |
| 1,1,1,2-Tetrachloroethane                         | CT,NY,ME,NH,VA |
| 1,1,2,2-Tetrachloroethane                         | CT,NY,ME,NH,VA |
| Tetrachloroethylene                               | CT,NY,ME,NH,VA |
| Toluene                                           | CT,NY,ME,NH,VA |
| 1,2,3-Trichlorobenzene                            | NY,ME,NH,VA    |
| 1,2,4-Trichlorobenzene                            | CT,NY,ME,NH,VA |
| 1,3,5-Trichlorobenzene                            | ME             |
| 1,1,1-Trichloroethane                             | CT,NY,ME,NH,VA |
| 1,1,2-Trichloroethane                             | CT,NY,ME,NH,VA |
| Trichloroethylene                                 | CT,NY,ME,NH,VA |
| Trichlorofluoromethane (Freon 11)                 | CT,NY,ME,NH,VA |
| 1,2,3-Trichloropropane                            | NY,ME,NH,VA    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | NY,VA          |
| 1,2,4-Trimethylbenzene                            | NY,ME,VA       |
| 1,3,5-Trimethylbenzene                            | NY,ME,VA       |
| Vinyl Chloride                                    | CT,NY,ME,NH,VA |
| m+p Xylene                                        | CT,NY,ME,NH,VA |
| o-Xylene                                          | CT,NY,ME,NH,VA |

---

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

| Code | Description                                  | Number        | Expires    |
|------|----------------------------------------------|---------------|------------|
| AIHA | AIHA-LAP, LLC                                | 100033        | 02/1/2014  |
| MA   | Massachusetts DEP                            | M-MA100       | 06/30/2014 |
| CT   | Connecticut Department of Public Health      | PH-0567       | 09/30/2013 |
| NY   | New York State Department of Health          | 10899 NELAP   | 04/1/2014  |
| NH-S | New Hampshire Environmental Lab              | 2516 NELAP    | 02/5/2014  |
| RI   | Rhode Island Department of Health            | LAO00112      | 12/30/2013 |
| NC   | North Carolina Div. of Water Quality         | 652           | 12/31/2013 |
| NJ   | New Jersey DEP                               | MA007 NELAP   | 06/30/2014 |
| FL   | Florida Department of Health                 | E871027 NELAP | 06/30/2014 |
| VT   | Vermont Department of Health Lead Laboratory | LL015036      | 07/30/2014 |
| WA   | State of Washington Department of Ecology    | C2065         | 02/23/2014 |
| ME   | State of Maine                               | 2011028       | 06/9/2015  |
| VA   | Commonwealth of Virginia                     | 460217        | 12/14/2013 |
| NH-P | New Hampshire Environmental Lab              | 2557 NELAP    | 09/6/2012  |





Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com  
www.contestlabs.com

# CHAIN OF CUSTODY RECORD

39 Spruce Street  
East Longmeadow, MA 01028

Page 1 of 1

Company Name: CDM SMITH

Telephone: (518) 782-4500

Address: 11 BRITISH AMERICAN BLVD

Project # 0897-94461

Client PO# 0897-94461

Attention: HEATHER HALLET

DATA DELIVERY (check all that apply)  
☐ FAX ☒ EMAIL ☐ WEBSITE

Project Location: BUFFALO, NY

Fax #

Sampled By: M. PASSARO + K. REEFMEYER

Email: HALLET@CDMSMTH

Project Proposal Provided? (for billing purposes)  
☐ Yes ☐ No  
proposal date

Collection

Beginning Date/Time

Ending Date/Time

Composite

Grab

\*Matrix Code

Enhanced Data Package

PDF EXCEL OGIS  
OTHER NYDEC CMB+ED

Format

Con-Test Lab ID

Client Sample ID / Description

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04 TB-03-08-14-13

05 FD-01-08-14-13

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Comments: SPECIFIC CONDUCTIVITY, SULFATE, AND CHLORIDE AGE IN SAME LOT - PRESERVED PLASTIC BOTTLE. NEED NYDEC V3 EDD AND CATEGORY B DELIVERABLES. ONLY VOC'S FOR TB-03, FB-02, FD-01, AND MU-06. CASE CLOSED 08/14/13

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03 FB-02-08-14-13

**796465475194**

Ship (P/U) date :  
**Wed 8/14/2013 6:16 pm**  
New York, NY US



**Delivered**  
Signed for by: P BLAKE

Actual delivery :  
**Thur 8/15/2013 10:17 am**  
EAST LONGMEADOW, MA US

**Travel History**

| Date/Time               | Activity                           | Location            |
|-------------------------|------------------------------------|---------------------|
| - 8/15/2013 - Thursday  |                                    |                     |
| 10:17 am                | Delivered                          | EAST LONGMEADOW, MA |
| 8:02 am                 | On FedEx vehicle for delivery      | WINDSOR LOCKS, CT   |
| 7:10 am                 | At local FedEx facility            | WINDSOR LOCKS, CT   |
| 3:32 am                 | Departed FedEx location            | NEWARK, NJ          |
| - 8/14/2013 - Wednesday |                                    |                     |
| 11:11 pm                | Arrived at FedEx location          | NEWARK, NJ          |
| 10:20 pm                | Left FedEx origin facility         | BUDD LAKE, NJ       |
| 6:16 pm                 | Picked up                          | BUDD LAKE, NJ       |
| 3:23 pm                 | Shipment information sent to FedEx |                     |

Local Scan Time

**Shipment Facts**

|                       |                    |                          |                          |
|-----------------------|--------------------|--------------------------|--------------------------|
| Tracking number       | 796465475194       | Service                  | FedEx Priority Overnight |
| Weight                | 9 lbs              | Dimensions               | 13x10x9 in.              |
| Delivered To          | Shipping/Receiving | Total pieces             | 1                        |
| Total shipment weight | 9 lbs / 4.1 kgs    | Shipper reference        | 200021 0000.0000         |
| Packaging             | Your Packaging     | Special handling section | Deliver Weekday          |

39 Spruce St.  
East Longmeadow, MA. 01028  
P: 413-525-2332  
F: 413-525-6405  
www.contestlabs.com



## Sample Receipt Checklist

CLIENT NAME: CDM Smith RECEIVED BY: PB DATE: 8.15.13

1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples?

Yes No

If not, explain:

3) Are all the samples in good condition?

Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank 3 Temperature °C by Temp gun \_\_\_\_\_

5) Are there Dissolved samples for the lab to filter?

Yes No

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Are there any RUSH or SHORT HOLDING TIME samples?

Yes No

Who was notified Vicki Date \_\_\_\_\_ Time \_\_\_\_\_

7) Location where samples are stored:

Log in

Permission to subcontract samples? Yes No  
(Walk-in clients only) if not already approved  
Client Signature: \_\_\_\_\_

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

### Containers received at Con-Test

|                                | # of containers |                       | # of containers |
|--------------------------------|-----------------|-----------------------|-----------------|
| 1 Liter Amber                  |                 | 8 oz amber/clear jar  |                 |
| 500 mL Amber                   |                 | 4 oz amber/clear jar  |                 |
| 250 mL Amber (8oz amber)       | <u>4</u>        | 2 oz amber/clear jar  |                 |
| 1 Liter Plastic                | <u>2</u>        | Air Cassette          |                 |
| 500 mL Plastic                 |                 | Hg/Hopcalite Tube     |                 |
| 250 mL plastic                 | <u>10</u>       | Plastic Bag / Ziploc  |                 |
| 40 mL Vial - type listed below | <u>21</u>       | PM 2.5 / PM 10        |                 |
| Colisure / bacteria bottle     |                 | PUF Cartridge         |                 |
| Dissolved Oxygen bottle        |                 | SOC Kit               |                 |
| Encore                         |                 | TO-17 Tubes           |                 |
| Flashpoint bottle              |                 | Non-ConTest Container |                 |
| Perchlorate Kit                |                 | Other glass jar       |                 |
| Other                          |                 | Other                 |                 |

Laboratory Comments:

40 mL vials: # HCl 21 # Methanol \_\_\_\_\_

Doc# 277 # Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_

Rev. 3 May 2012 # Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Time and Date Frozen:

VOA

# VOLATILES SAMPLE DATA

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-04\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-01      File ID: ve233014.D  
 Sampled: 08/14/13 09:20      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 13:07  
 Solids:      Preparation: SW-846 5030B      Dilution: 250  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL  | RL    | Q          |
|----------|------------------------------------|--------------|------|-------|------------|
| 67-64-1  | Acetone                            |              | 1200 | 12000 |            |
| 107-13-1 | Acrylonitrile                      |              | 140  | 1200  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 23   | 120   |            |
| 71-43-2  | Benzene                            |              | 20   | 250   |            |
| 108-86-1 | Bromobenzene                       |              | 11   | 250   |            |
| 74-97-5  | Bromochloromethane                 |              | 56   | 250   |            |
| 75-27-4  | Bromodichloromethane               |              | 22   | 120   |            |
| 75-25-2  | Bromoform                          |              | 52   | 250   |            |
| 74-83-9  | Bromomethane                       |              | 240  | 500   | V-05       |
| 78-93-3  | 2-Butanone (MEK)                   |              | 590  | 5000  |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 540  | 5000  | V-16       |
| 104-51-8 | n-Butylbenzene                     |              | 14   | 250   |            |
| 135-98-8 | sec-Butylbenzene                   |              | 21   | 250   |            |
| 98-06-6  | tert-Butylbenzene                  |              | 24   | 250   |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 19   | 120   |            |
| 75-15-0  | Carbon Disulfide                   |              | 260  | 1000  |            |
| 56-23-5  | Carbon Tetrachloride               |              | 25   | 1200  |            |
| 108-90-7 | Chlorobenzene                      |              | 30   | 250   |            |
| 124-48-1 | Chlorodibromomethane               |              | 14   | 120   |            |
| 75-00-3  | Chloroethane                       |              | 40   | 500   |            |
| 67-66-3  | Chloroform                         |              | 36   | 500   |            |
| 74-87-3  | Chloromethane                      |              | 81   | 500   | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    |              | 18   | 250   |            |
| 106-43-4 | 4-Chlorotoluene                    |              | 18   | 250   |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 84   | 1200  |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-04\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-01     | File ID:     | ve233014.D     |             |          |
| Sampled:       | 08/14/13 09:20                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 13:07 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 250            |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL  | RL    | Q    |
|------------|------------------------------------|--------------|------|-------|------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 22   | 120   |      |
| 74-95-3    | Dibromomethane                     |              | 18   | 250   |      |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 19   | 250   |      |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 20   | 250   |      |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 12   | 250   |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 30   | 500   |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 30   | 500   |      |
| 75-34-3    | 1,1-Dichloroethane                 |              | 40   | 250   |      |
| 107-06-2   | 1,2-Dichloroethane                 |              | 48   | 250   |      |
| 75-35-4    | 1,1-Dichloroethylene               |              | 52   | 250   |      |
| 156-59-2   | cis-1,2-Dichloroethylene           | 15000        | 37   | 250   |      |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 38   | 250   |      |
| 78-87-5    | 1,2-Dichloropropane                |              | 28   | 250   |      |
| 142-28-9   | 1,3-Dichloropropane                |              | 25   | 120   |      |
| 594-20-7   | 2,2-Dichloropropane                |              | 18   | 250   |      |
| 563-58-6   | 1,1-Dichloropropene                |              | 32   | 500   |      |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 16   | 120   |      |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 14   | 120   |      |
| 60-29-7    | Diethyl Ether                      |              | 56   | 500   |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 45   | 120   |      |
| 123-91-1   | 1,4-Dioxane                        |              | 6600 | 12000 | V-16 |
| 100-41-4   | Ethylbenzene                       |              | 23   | 250   |      |
| 87-68-3    | Hexachlorobutadiene                |              | 42   | 120   |      |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 380  | 2500  |      |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 28   | 250   |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-04\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-01      File ID: ve233014.D  
 Sampled: 08/14/13 09:20      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 13:07  
 Solids:      Preparation: SW-846 5030B      Dilution: 250  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL | RL   | Q |
|---------------|---------------------------------------------------|--------------|-----|------|---|
| 99-87-6       | p-Isopropyltoluene (p-Cymene)                     |              | 31  | 250  |   |
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 22  | 250  |   |
| 75-09-2       | Methylene Chloride                                |              | 800 | 1200 |   |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 370 | 2500 |   |
| 91-20-3       | Naphthalene                                       |              | 30  | 500  |   |
| 103-65-1      | n-Propylbenzene                                   |              | 24  | 250  |   |
| 100-42-5      | Styrene                                           |              | 30  | 250  |   |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 30  | 250  |   |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 31  | 120  |   |
| 127-18-4      | Tetrachloroethylene                               |              | 20  | 250  |   |
| 109-99-9      | Tetrahydrofuran                                   |              | 270 | 2500 |   |
| 108-88-3      | Toluene                                           |              | 22  | 250  |   |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 35  | 1200 |   |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 30  | 250  |   |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 34  | 250  |   |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 24  | 250  |   |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 29  | 250  |   |
| 79-01-6       | Trichloroethylene                                 |              | 19  | 250  |   |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 37  | 500  |   |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 30  | 500  |   |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 23  | 250  |   |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 45  | 250  |   |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 25  | 250  |   |
| 75-01-4       | Vinyl Chloride                                    | 3500         | 33  | 500  |   |
| 108383/106423 | m+p Xylene                                        |              | 45  | 500  |   |



# 1 - FORM I

## ANALYSIS DATA SHEET

MW-04\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-01     | File ID:     | ve233014.D     |             |          |
| Sampled:       | 08/14/13 09:20                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 13:07 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 250            |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL  | Q |
|---------|----------|--------------|-----|-----|---|
| 95-47-6 | o-Xylene |              | 28  | 250 |   |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233014.D  
 Acq On : 21 Aug 2013 1:07 pm  
 Operator :  
 Sample : 13h0569-01 @ 250x  
 Misc : 250  
 ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:53:25 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

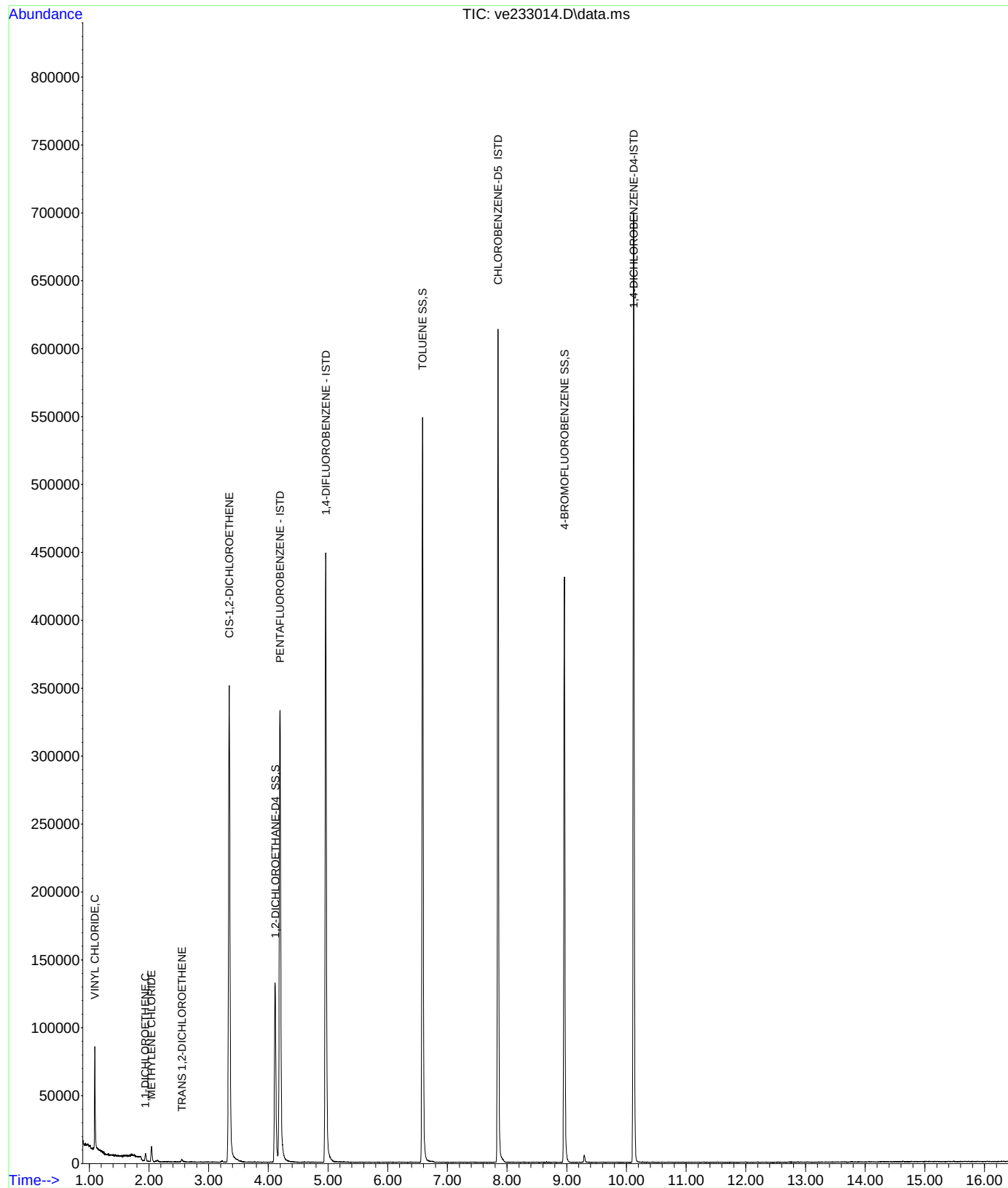
| Compound                      | R.T.           | QIon | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|----------------|------|----------|-------|---------|----------|
| Internal Standards            |                |      |          |       |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.197          | 168  | 237543   | 30.00 | UG/L    | -0.01    |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.964          | 114  | 328646   | 30.00 | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.847          | 82   | 151902   | 30.00 | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.123         | 152  | 168004   | 30.00 | UG/L    | 0.00     |
| System Monitoring Compounds   |                |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.116          | 65   | 82502    | 22.98 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 91.92%  |          |
| 48) TOLUENE SS                | 6.584          | 98   | 311836   | 24.82 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 99.28%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960          | 95   | 118612   | 26.08 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 104.32% |          |
| Target Compounds              |                |      |          |       |         | Qvalue   |
| 6) VINYL CHLORIDE             | 1.093          | 62   | 36046    | 13.97 | UG/L    | 97       |
| 15) 1,1-DICHLOROETHENE        | 1.938          | 61   | 600      | 0.18  | UG/L #  | 26       |
| 22) METHYLENE CHLORIDE        | 2.041          | 49   | 4863     | 1.78  | UG/L #  | 83       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.552          | 61   | 955      | 0.32  | UG/L #  | 67       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.344          | 61   | 190232   | 59.82 | UG/L    | 88       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\082113\  
Data File : ve233014.D  
Acq On : 21 Aug 2013 1:07 pm  
Operator :  
Sample : 13h0569-01 @ 250x  
Misc : 250  
ALS Vial : 14 Sample Multiplier: 1

Inst : GCMSV0A5

Quant Time: Aug 22 09:53:25 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-02      File ID: ve234010.D  
 Sampled: 08/14/13 10:50      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 13:15  
 Solids:      Preparation: SW-846 5030B      Dilution: 500  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL  | RL    | Q                |
|----------|------------------------------------|--------------|------|-------|------------------|
| 67-64-1  | Acetone                            |              | 2300 | 25000 |                  |
| 107-13-1 | Acrylonitrile                      |              | 290  | 2500  |                  |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 46   | 250   |                  |
| 71-43-2  | Benzene                            |              | 40   | 500   |                  |
| 108-86-1 | Bromobenzene                       |              | 22   | 500   |                  |
| 74-97-5  | Bromochloromethane                 |              | 110  | 500   |                  |
| 75-27-4  | Bromodichloromethane               |              | 44   | 250   |                  |
| 75-25-2  | Bromoform                          |              | 100  | 500   |                  |
| 74-83-9  | Bromomethane                       |              | 470  | 1000  | MS-07A           |
| 78-93-3  | 2-Butanone (MEK)                   |              | 1200 | 10000 |                  |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 1100 | 10000 | MS-15, V-16      |
| 104-51-8 | n-Butylbenzene                     |              | 27   | 500   |                  |
| 135-98-8 | sec-Butylbenzene                   |              | 42   | 500   |                  |
| 98-06-6  | tert-Butylbenzene                  |              | 48   | 500   |                  |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 38   | 250   |                  |
| 75-15-0  | Carbon Disulfide                   |              | 510  | 2000  |                  |
| 56-23-5  | Carbon Tetrachloride               |              | 50   | 2500  |                  |
| 108-90-7 | Chlorobenzene                      |              | 60   | 500   |                  |
| 124-48-1 | Chlorodibromomethane               |              | 27   | 250   |                  |
| 75-00-3  | Chloroethane                       |              | 80   | 1000  |                  |
| 67-66-3  | Chloroform                         |              | 72   | 1000  |                  |
| 74-87-3  | Chloromethane                      |              | 160  | 1000  | .-04, MS-09, V-0 |
| 95-49-8  | 2-Chlorotoluene                    |              | 35   | 500   |                  |
| 106-43-4 | 4-Chlorotoluene                    |              | 37   | 500   |                  |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 170  | 2500  | MS-15            |

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-02      File ID: ve234010.D  
 Sampled: 08/14/13 10:50      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 13:15  
 Solids:      Preparation: SW-846 5030B      Dilution: 500  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL    | Q      |
|------------|------------------------------------|--------------|-------|-------|--------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 44    | 250   |        |
| 74-95-3    | Dibromomethane                     |              | 35    | 500   |        |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 38    | 500   |        |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 40    | 500   |        |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 23    | 500   |        |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 60    | 1000  |        |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 60    | 1000  | MS-07A |
| 75-34-3    | 1,1-Dichloroethane                 |              | 79    | 500   |        |
| 107-06-2   | 1,2-Dichloroethane                 |              | 97    | 500   |        |
| 75-35-4    | 1,1-Dichloroethylene               |              | 100   | 500   |        |
| 156-59-2   | cis-1,2-Dichloroethylene           | 22000        | 74    | 500   |        |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 75    | 500   |        |
| 78-87-5    | 1,2-Dichloropropane                |              | 56    | 500   |        |
| 142-28-9   | 1,3-Dichloropropane                |              | 50    | 250   |        |
| 594-20-7   | 2,2-Dichloropropane                |              | 36    | 500   | MS-07A |
| 563-58-6   | 1,1-Dichloropropene                |              | 64    | 1000  |        |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 31    | 250   |        |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 28    | 250   |        |
| 60-29-7    | Diethyl Ether                      |              | 110   | 1000  |        |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 90    | 250   |        |
| 123-91-1   | 1,4-Dioxane                        |              | 13000 | 25000 | V-16   |
| 100-41-4   | Ethylbenzene                       |              | 46    | 500   |        |
| 87-68-3    | Hexachlorobutadiene                |              | 85    | 250   |        |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 760   | 5000  |        |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 56    | 500   |        |

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-02      File ID: ve234010.D  
 Sampled: 08/14/13 10:50      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 13:15  
 Solids:      Preparation: SW-846 5030B      Dilution: 500  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL  | RL   | Q     |
|---------------|---------------------------------------------------|--------------|------|------|-------|
| 99-87-6       | p-Isopropyltoluene (p-Cymene)                     |              | 62   | 500  |       |
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 45   | 500  |       |
| 75-09-2       | Methylene Chloride                                |              | 1600 | 2500 |       |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 730  | 5000 |       |
| 91-20-3       | Naphthalene                                       |              | 60   | 1000 | MS-15 |
| 103-65-1      | n-Propylbenzene                                   |              | 47   | 500  |       |
| 100-42-5      | Styrene                                           |              | 60   | 500  |       |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 60   | 500  |       |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 62   | 250  |       |
| 127-18-4      | Tetrachloroethylene                               |              | 40   | 500  |       |
| 109-99-9      | Tetrahydrofuran                                   |              | 540  | 5000 |       |
| 108-88-3      | Toluene                                           |              | 45   | 500  |       |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 70   | 2500 | MS-15 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 59   | 500  |       |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 69   | 500  |       |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 47   | 500  |       |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 58   | 500  |       |
| 79-01-6       | Trichloroethylene                                 |              | 38   | 500  |       |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 74   | 1000 |       |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 60   | 1000 |       |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 46   | 500  |       |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 90   | 500  |       |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 50   | 500  |       |
| 75-01-4       | Vinyl Chloride                                    |              | 66   | 1000 |       |
| 108383/106423 | m+p Xylene                                        |              | 90   | 1000 |       |

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-06\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-02     | File ID:     | ve234010.D     |             |          |
| Sampled:       | 08/14/13 10:50                 | Prepared:      | 08/22/13 08:49 | Analyzed:    | 08/22/13 13:15 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 500            |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079321                        | Sequence:      | S004572        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL  | Q |
|---------|----------|--------------|-----|-----|---|
| 95-47-6 | o-Xylene |              | 55  | 500 |   |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234010.D  
 Acq On : 22 Aug 2013 1:15 pm  
 Operator :  
 Sample : 13h0569-02 @ 500X  
 Misc : 500  
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:08:29 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------|-------|--------|----------|
| -----                         |                |      |          |       |        |          |
| Internal Standards            |                |      |          |       |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208          | 168  | 239345   | 30.00 | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.969          | 114  | 332117   | 30.00 | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850          | 82   | 146119   | 30.00 | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120         | 152  | 154477   | 30.00 | UG/L   | 0.00     |
| System Monitoring Compounds   |                |      |          |       |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.127          | 65   | 86944    | 24.04 | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 96.16% |          |
| 48) TOLUENE SS                | 6.587          | 98   | 310473   | 24.45 | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 97.80% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960          | 95   | 108180   | 24.73 | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 98.92% |          |
| Target Compounds              |                |      |          |       |        |          |
|                               |                |      |          |       |        | Qvalue   |
| 6) VINYL CHLORIDE             | 1.096          | 62   | 2914     | 1.12  | UG/L   | 91       |
| 12) DI ETHYL ETHER            | 1.793          | 59   | 753      | 0.52  | UG/L # | 41       |
| 14) ACETONE                   | 1.715          | 43   | 1756     | 3.08  | UG/L # | 39       |
| 22) METHYLENE CHLORIDE        | 2.055          | 49   | 6155     | 2.24  | UG/L # | 77       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.360          | 61   | 140317   | 43.79 | UG/L   | 89       |
| 65) TETRACHLOROETHENE         | 7.281          | 166  | 621      | 0.22  | UG/L # | 22       |
| -----                         |                |      |          |       |        |          |

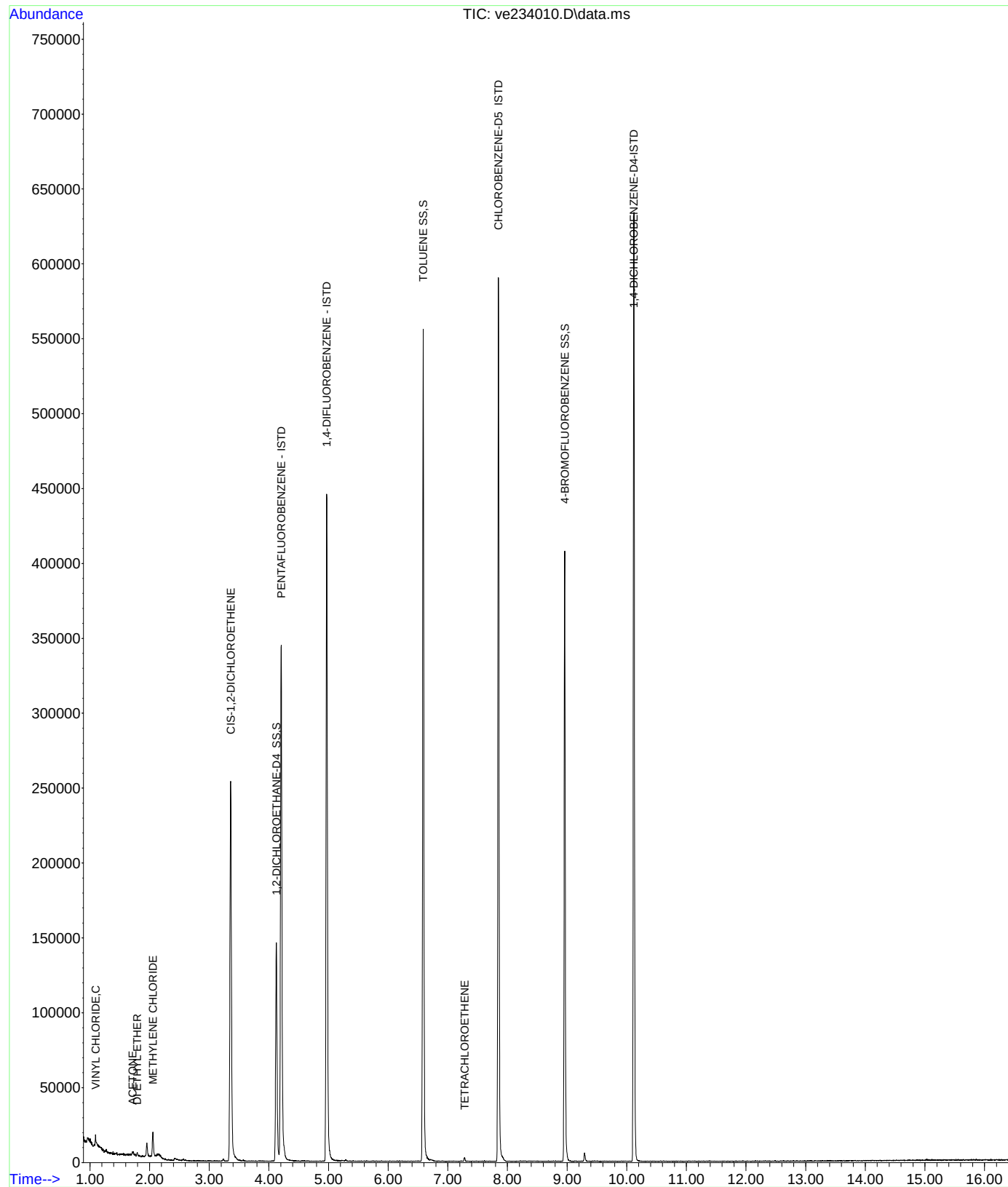
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Data Path : C:\msdchem\1\DATA\082213\  
Data File : ve234010.D  
Acq On : 22 Aug 2013 1:15 pm  
Operator :  
Sample : 13h0569-02 @ 500X  
Misc : 500  
ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSV0A5

Quant Time: Aug 23 07:08:29 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

FB-02\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-03      File ID: ve233011.D  
 Sampled: 08/14/13 10:10      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 11:48  
 Solids:      Preparation: SW-846 5030B      Dilution: 1  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            |              | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      |              | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            |              | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       |              | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 |              | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               |              | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          |              | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       |              | 0.94  | 2.0  | V-05       |
| 78-93-3  | 2-Butanone (MEK)                   |              | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     |              | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   |              | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  |              | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   |              | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               |              | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      |              | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               |              | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       |              | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         |              | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      |              | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    |              | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    |              | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 0.34  | 5.0  |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

FB-02\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-03     | File ID:     | ve233011.D     |             |          |
| Sampled:       | 08/14/13 10:10                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 11:48 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 1              |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 0.089 | 0.50 |      |
| 74-95-3    | Dibromomethane                     |              | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 |              | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 |              | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               |              | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           |              | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                |              | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                |              | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                |              | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                |              | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      |              | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        |              | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       |              | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                |              | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 0.11  | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

FB-02\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-03     | File ID:     | ve233011.D     |             |          |
| Sampled:       | 08/14/13 10:10                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 11:48 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 1              |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q |
|---------------|---------------------------------------------------|--------------|-------|------|---|
| 99-87-6       | p-Isopropyltoluene (p-Cymene)                     |              | 0.12  | 1.0  |   |
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 0.090 | 1.0  |   |
| 75-09-2       | Methylene Chloride                                |              | 3.2   | 5.0  |   |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 1.5   | 10   |   |
| 91-20-3       | Naphthalene                                       |              | 0.12  | 2.0  |   |
| 103-65-1      | n-Propylbenzene                                   |              | 0.094 | 1.0  |   |
| 100-42-5      | Styrene                                           |              | 0.12  | 1.0  |   |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 0.12  | 1.0  |   |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 0.12  | 0.50 |   |
| 127-18-4      | Tetrachloroethylene                               |              | 0.080 | 1.0  |   |
| 109-99-9      | Tetrahydrofuran                                   |              | 1.1   | 10   |   |
| 108-88-3      | Toluene                                           |              | 0.090 | 1.0  |   |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 0.14  | 5.0  |   |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 0.12  | 1.0  |   |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 0.14  | 1.0  |   |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 0.094 | 1.0  |   |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 0.12  | 1.0  |   |
| 79-01-6       | Trichloroethylene                                 |              | 0.077 | 1.0  |   |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 0.15  | 2.0  |   |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 0.12  | 2.0  |   |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 0.092 | 1.0  |   |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 0.18  | 1.0  |   |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 0.10  | 1.0  |   |
| 75-01-4       | Vinyl Chloride                                    |              | 0.13  | 2.0  |   |
| 108383/106423 | m+p Xylene                                        |              | 0.18  | 2.0  |   |

# 1 - FORM I

## ANALYSIS DATA SHEET

FB-02\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-03     | File ID:     | ve233011.D     |             |          |
| Sampled:       | 08/14/13 10:10                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 11:48 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 1              |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL  | RL  | Q |
|---------|----------|--------------|------|-----|---|
| 95-47-6 | o-Xylene |              | 0.11 | 1.0 |   |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233011.D  
 Acq On : 21 Aug 2013 11:48 am  
 Operator :  
 Sample : 13h0569-03 @ fb  
 Misc : 1  
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:51:29 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

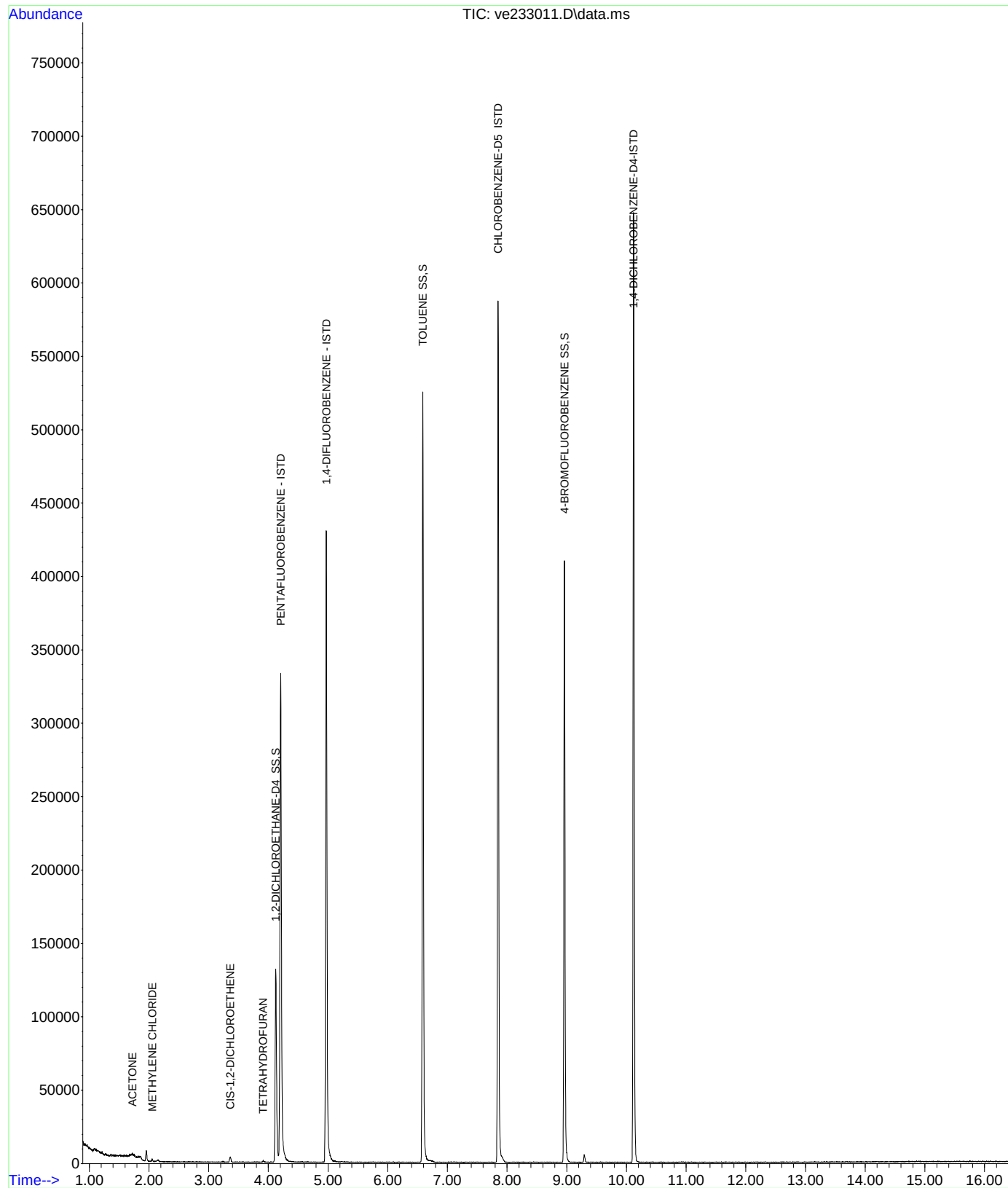
| Compound                      | R.T.           | QIon | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|----------------|------|----------|-------|---------|----------|
| Internal Standards            |                |      |          |       |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208          | 168  | 231342   | 30.00 | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972          | 114  | 320602   | 30.00 | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850          | 82   | 147430   | 30.00 | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120         | 152  | 157166   | 30.00 | UG/L    | 0.00     |
| System Monitoring Compounds   |                |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.124          | 65   | 79291    | 22.68 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 90.72%  |          |
| 48) TOLUENE SS                | 6.589          | 98   | 299234   | 24.41 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 97.64%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960          | 95   | 111668   | 25.30 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 101.20% |          |
| Target Compounds              |                |      |          |       |         |          |
| 14) ACETONE                   | 1.723          | 43   | 1124     | 2.04  | UG/L #  | 39       |
| 22) METHYLENE CHLORIDE        | 2.055          | 49   | 729      | 0.27  | UG/L #  | 71       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.363          | 61   | 1985     | 0.64  | UG/L #  | 86       |
| 38) TETRAHYDROFURAN           | 3.910          | 42   | 644      | 1.48  | UG/L #  | 38       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\082113\  
Data File : ve233011.D  
Acq On : 21 Aug 2013 11:48 am  
Operator :  
Sample : 13h0569-03 @ fb  
Misc : 1  
ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSV0A5

Quant Time: Aug 22 09:51:29 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

TB-03\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Trip Blank Water      Laboratory ID: 13H0569-04      File ID: ve233012.D  
 Sampled: 08/14/13 10:05      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 12:14  
 Solids:      Preparation: SW-846 5030B      Dilution: 1  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            |              | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      |              | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            |              | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       |              | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 |              | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               |              | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          |              | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       |              | 0.94  | 2.0  | V-05       |
| 78-93-3  | 2-Butanone (MEK)                   |              | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     |              | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   |              | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  |              | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   |              | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               |              | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      |              | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               |              | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       |              | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         |              | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      |              | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    |              | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    |              | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 0.34  | 5.0  |            |



# 1 - FORM I

## ANALYSIS DATA SHEET

TB-03\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Trip Blank Water               | Laboratory ID: | 13H0569-04     | File ID:     | ve233012.D     |             |          |
| Sampled:       | 08/14/13 10:05                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 12:14 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 1              |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 0.089 | 0.50 |      |
| 74-95-3    | Dibromomethane                     |              | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 |              | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 |              | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               |              | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           |              | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                |              | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                |              | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                |              | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                |              | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      |              | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        |              | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       |              | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                |              | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 0.11  | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

TB-03\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Trip Blank Water      Laboratory ID: 13H0569-04      File ID: ve233012.D  
 Sampled: 08/14/13 10:05      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 12:14  
 Solids:      Preparation: SW-846 5030B      Dilution: 1  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q |
|---------------|---------------------------------------------------|--------------|-------|------|---|
| 99-87-6       | p-Isopropyltoluene (p-Cymene)                     |              | 0.12  | 1.0  |   |
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 0.090 | 1.0  |   |
| 75-09-2       | Methylene Chloride                                |              | 3.2   | 5.0  |   |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 1.5   | 10   |   |
| 91-20-3       | Naphthalene                                       |              | 0.12  | 2.0  |   |
| 103-65-1      | n-Propylbenzene                                   |              | 0.094 | 1.0  |   |
| 100-42-5      | Styrene                                           |              | 0.12  | 1.0  |   |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 0.12  | 1.0  |   |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 0.12  | 0.50 |   |
| 127-18-4      | Tetrachloroethylene                               |              | 0.080 | 1.0  |   |
| 109-99-9      | Tetrahydrofuran                                   |              | 1.1   | 10   |   |
| 108-88-3      | Toluene                                           |              | 0.090 | 1.0  |   |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 0.14  | 5.0  |   |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 0.12  | 1.0  |   |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 0.14  | 1.0  |   |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 0.094 | 1.0  |   |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 0.12  | 1.0  |   |
| 79-01-6       | Trichloroethylene                                 |              | 0.077 | 1.0  |   |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 0.15  | 2.0  |   |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 0.12  | 2.0  |   |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 0.092 | 1.0  |   |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 0.18  | 1.0  |   |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 0.10  | 1.0  |   |
| 75-01-4       | Vinyl Chloride                                    |              | 0.13  | 2.0  |   |
| 108383/106423 | m+p Xylene                                        |              | 0.18  | 2.0  |   |

# 1 - FORM I

## ANALYSIS DATA SHEET

TB-03\_08-14-13

|                |                                |                |                |              |                |             |          |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|-------------|----------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:    | 13H0569        |              |                |             |          |
| Client:        | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY    |              |                |             |          |
| Matrix:        | Trip Blank Water               | Laboratory ID: | 13H0569-04     | File ID:     | ve233012.D     |             |          |
| Sampled:       | 08/14/13 10:05                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 12:14 |             |          |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 1              |             |          |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |             |          |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        | Instrument: | GCMSVOA5 |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL  | RL  | Q |
|---------|----------|--------------|------|-----|---|
| 95-47-6 | o-Xylene |              | 0.11 | 1.0 |   |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233012.D  
 Acq On : 21 Aug 2013 12:14 pm  
 Operator :  
 Sample : 13h0569-04 @ tb  
 Misc : 1  
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:52:02 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

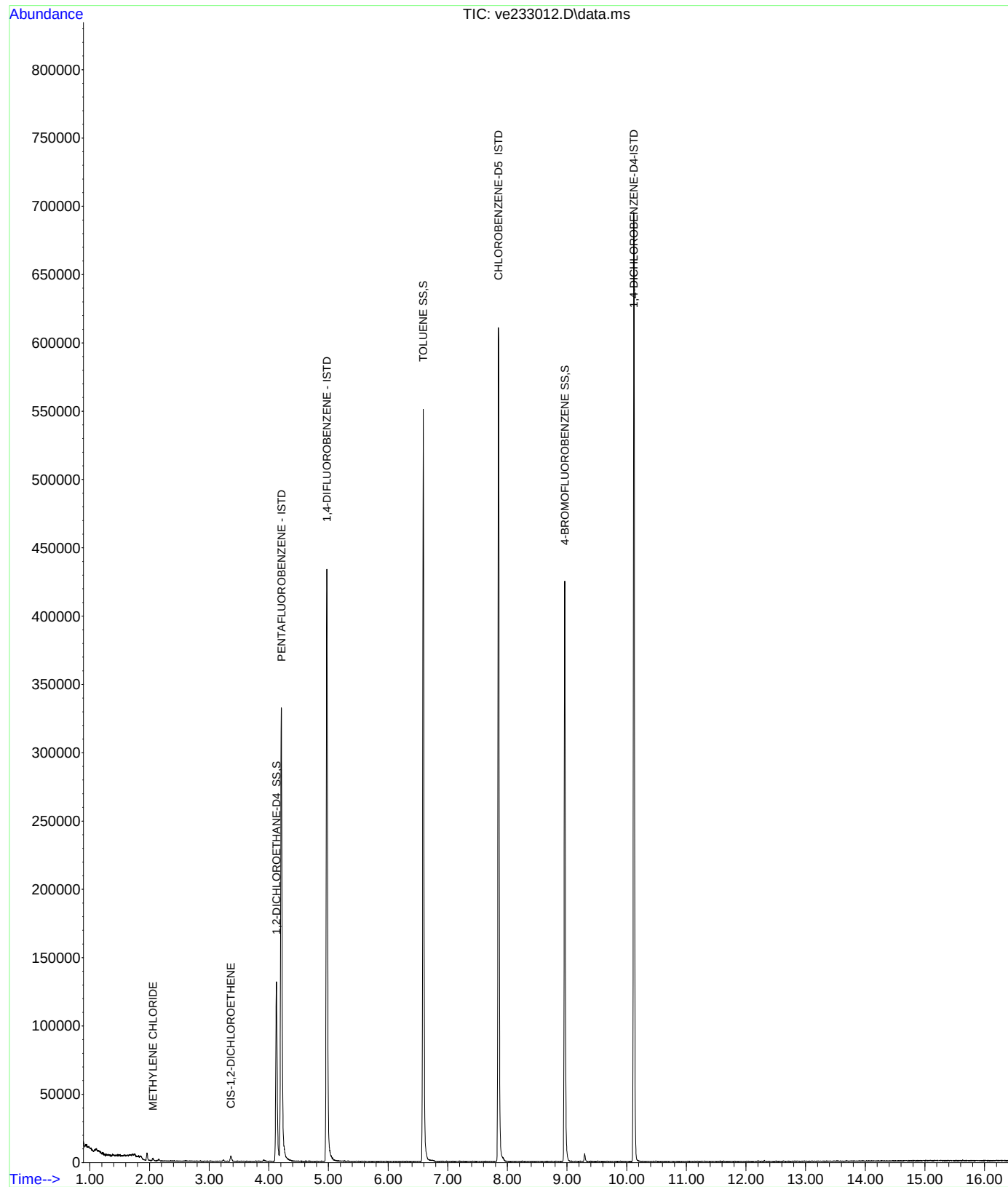
| Compound                      | R.T.           | QIon | Response | Conc  | Units   | Dev(Min)    |
|-------------------------------|----------------|------|----------|-------|---------|-------------|
| -----                         |                |      |          |       |         |             |
| Internal Standards            |                |      |          |       |         |             |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.211          | 168  | 230552   | 30.00 | UG/L    | 0.00        |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972          | 114  | 322519   | 30.00 | UG/L    | 0.00        |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850          | 82   | 152103   | 30.00 | UG/L    | 0.00        |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120         | 152  | 164427   | 30.00 | UG/L    | 0.00        |
| System Monitoring Compounds   |                |      |          |       |         |             |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.127          | 65   | 81194    | 23.30 | UG/L    | 0.00        |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 93.20%  |             |
| 48) TOLUENE SS                | 6.590          | 98   | 306728   | 24.88 | UG/L    | 0.00        |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 99.52%  |             |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.963          | 95   | 116743   | 25.63 | UG/L    | 0.00        |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 102.52% |             |
| Target Compounds              |                |      |          |       |         |             |
| 22) METHYLENE CHLORIDE        | 2.055          | 49   | 804      | 0.30  | UG/L    | Qvalue # 67 |
| 34) CIS-1,2-DICHLOROETHENE    | 3.363          | 61   | 2205     | 0.71  | UG/L    | # 85        |
| -----                         |                |      |          |       |         |             |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\082113\  
Data File : ve233012.D  
Acq On : 21 Aug 2013 12:14 pm  
Operator :  
Sample : 13h0569-04 @ tb  
Misc : 1  
ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSV0A5

Quant Time: Aug 22 09:52:02 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

FD-01\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-05      File ID: ve233016.D  
 Sampled: 08/14/13 00:00      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 14:07  
 Solids:      Preparation: SW-846 5030B      Dilution: 500  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL  | RL    | Q          |
|----------|------------------------------------|--------------|------|-------|------------|
| 67-64-1  | Acetone                            |              | 2300 | 25000 |            |
| 107-13-1 | Acrylonitrile                      |              | 290  | 2500  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 46   | 250   |            |
| 71-43-2  | Benzene                            |              | 40   | 500   |            |
| 108-86-1 | Bromobenzene                       |              | 22   | 500   |            |
| 74-97-5  | Bromochloromethane                 |              | 110  | 500   |            |
| 75-27-4  | Bromodichloromethane               |              | 44   | 250   |            |
| 75-25-2  | Bromoform                          |              | 100  | 500   |            |
| 74-83-9  | Bromomethane                       |              | 470  | 1000  | V-05       |
| 78-93-3  | 2-Butanone (MEK)                   |              | 1200 | 10000 |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 1100 | 10000 | V-16       |
| 104-51-8 | n-Butylbenzene                     |              | 27   | 500   |            |
| 135-98-8 | sec-Butylbenzene                   |              | 42   | 500   |            |
| 98-06-6  | tert-Butylbenzene                  |              | 48   | 500   |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 38   | 250   |            |
| 75-15-0  | Carbon Disulfide                   |              | 510  | 2000  |            |
| 56-23-5  | Carbon Tetrachloride               |              | 50   | 2500  |            |
| 108-90-7 | Chlorobenzene                      |              | 60   | 500   |            |
| 124-48-1 | Chlorodibromomethane               |              | 27   | 250   |            |
| 75-00-3  | Chloroethane                       |              | 80   | 1000  |            |
| 67-66-3  | Chloroform                         |              | 72   | 1000  |            |
| 74-87-3  | Chloromethane                      |              | 160  | 1000  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    |              | 35   | 500   |            |
| 106-43-4 | 4-Chlorotoluene                    |              | 37   | 500   |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 170  | 2500  |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

FD-01\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-05      File ID: ve233016.D  
 Sampled: 08/14/13 00:00      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 14:07  
 Solids:      Preparation: SW-846 5030B      Dilution: 500  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL    | Q    |
|------------|------------------------------------|--------------|-------|-------|------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 44    | 250   |      |
| 74-95-3    | Dibromomethane                     |              | 35    | 500   |      |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 38    | 500   |      |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 40    | 500   |      |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 23    | 500   |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 60    | 1000  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 60    | 1000  |      |
| 75-34-3    | 1,1-Dichloroethane                 |              | 79    | 500   |      |
| 107-06-2   | 1,2-Dichloroethane                 |              | 97    | 500   |      |
| 75-35-4    | 1,1-Dichloroethylene               |              | 100   | 500   |      |
| 156-59-2   | cis-1,2-Dichloroethylene           | 23000        | 74    | 500   |      |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 75    | 500   |      |
| 78-87-5    | 1,2-Dichloropropane                |              | 56    | 500   |      |
| 142-28-9   | 1,3-Dichloropropane                |              | 50    | 250   |      |
| 594-20-7   | 2,2-Dichloropropane                |              | 36    | 500   |      |
| 563-58-6   | 1,1-Dichloropropene                |              | 64    | 1000  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 31    | 250   |      |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 28    | 250   |      |
| 60-29-7    | Diethyl Ether                      |              | 110   | 1000  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 90    | 250   |      |
| 123-91-1   | 1,4-Dioxane                        |              | 13000 | 25000 | V-16 |
| 100-41-4   | Ethylbenzene                       |              | 46    | 500   |      |
| 87-68-3    | Hexachlorobutadiene                |              | 85    | 250   |      |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 760   | 5000  |      |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 56    | 500   |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

FD-01\_08-14-13

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Ground Water      Laboratory ID: 13H0569-05      File ID: ve233016.D  
 Sampled: 08/14/13 00:00      Prepared: 08/21/13 10:39      Analyzed: 08/21/13 14:07  
 Solids:      Preparation: SW-846 5030B      Dilution: 500  
 Initial/Final: 5 mL / 5 mL  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL  | RL   | Q |
|---------------|---------------------------------------------------|--------------|------|------|---|
| 99-87-6       | p-Isopropyltoluene (p-Cymene)                     |              | 62   | 500  |   |
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 45   | 500  |   |
| 75-09-2       | Methylene Chloride                                |              | 1600 | 2500 |   |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 730  | 5000 |   |
| 91-20-3       | Naphthalene                                       |              | 60   | 1000 |   |
| 103-65-1      | n-Propylbenzene                                   |              | 47   | 500  |   |
| 100-42-5      | Styrene                                           |              | 60   | 500  |   |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 60   | 500  |   |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 62   | 250  |   |
| 127-18-4      | Tetrachloroethylene                               |              | 40   | 500  |   |
| 109-99-9      | Tetrahydrofuran                                   |              | 540  | 5000 |   |
| 108-88-3      | Toluene                                           |              | 45   | 500  |   |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 70   | 2500 |   |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 59   | 500  |   |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 69   | 500  |   |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 47   | 500  |   |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 58   | 500  |   |
| 79-01-6       | Trichloroethylene                                 |              | 38   | 500  |   |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 74   | 1000 |   |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 60   | 1000 |   |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 46   | 500  |   |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 90   | 500  |   |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 50   | 500  |   |
| 75-01-4       | Vinyl Chloride                                    |              | 66   | 1000 |   |
| 108383/106423 | m+p Xylene                                        |              | 90   | 1000 |   |



# 1 - FORM I

## ANALYSIS DATA SHEET

FD-01\_08-14-13

|                |                                |                |                |              |                |
|----------------|--------------------------------|----------------|----------------|--------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory |                |                | Work Order:  | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           |                |                | Project:     | Buffalo, NY    |
| Matrix:        | Ground Water                   | Laboratory ID: | 13H0569-05     | File ID:     | ve233016.D     |
| Sampled:       | 08/14/13 00:00                 | Prepared:      | 08/21/13 10:39 | Analyzed:    | 08/21/13 14:07 |
| Solids:        |                                | Preparation:   | SW-846 5030B   | Dilution:    | 500            |
| Initial/Final: | 5 mL / 5 mL                    |                |                |              |                |
| Batch:         | B079226                        | Sequence:      | S004570        | Calibration: | 1300053        |
|                |                                |                |                | Instrument:  | GCMSVOA5       |

| CAS NO. | COMPOUND | CONC. (µg/L) | MDL | RL  | Q |
|---------|----------|--------------|-----|-----|---|
| 95-47-6 | o-Xylene |              | 55  | 500 |   |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233016.D  
 Acq On : 21 Aug 2013 2:07 pm  
 Operator :  
 Sample : 13h0569-05 @ 500x  
 Misc : 500  
 ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:54:23 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

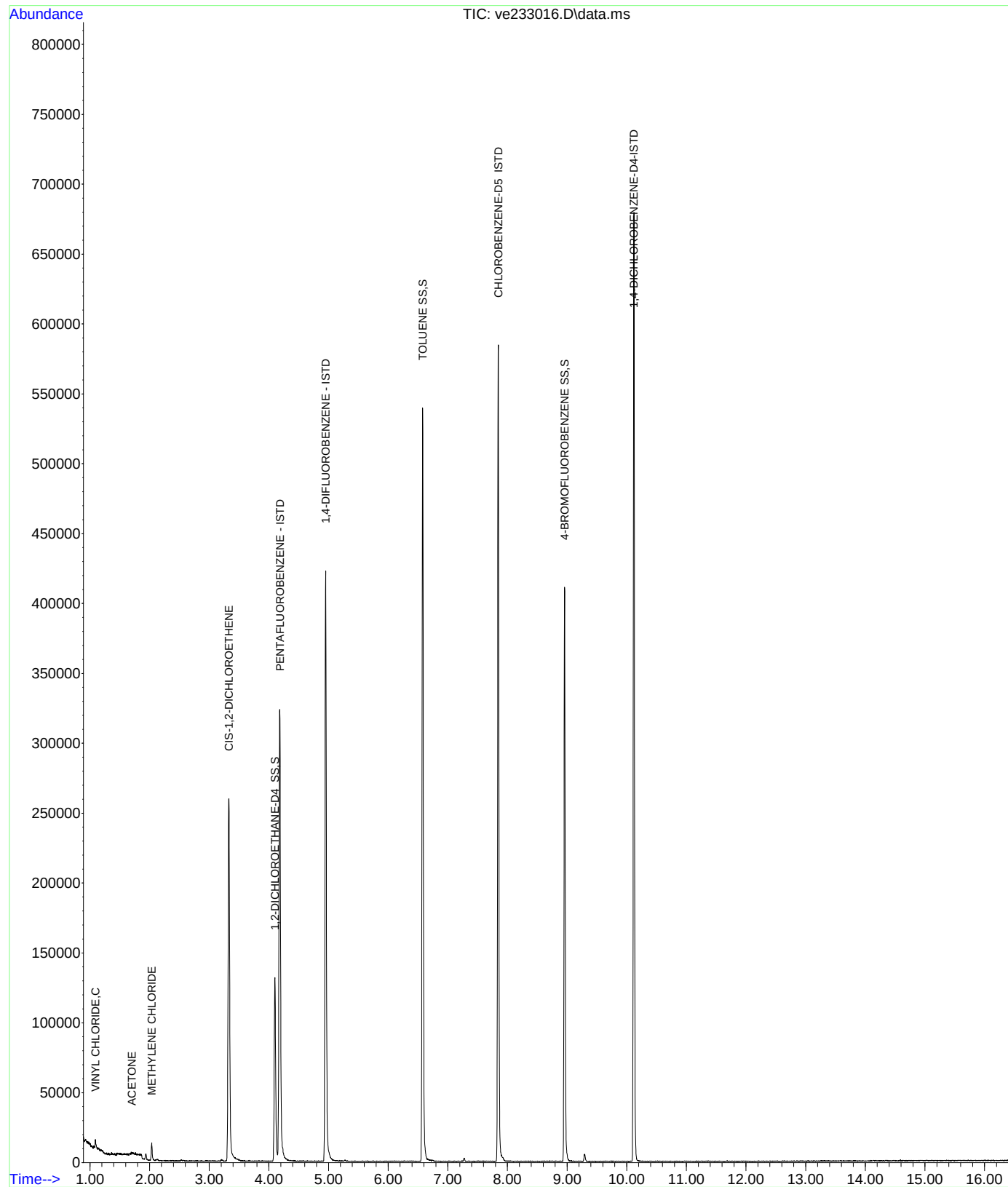
| Compound                      | R.T.     | QIon  | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|-------|---------|----------|
| -----                         |          |       |          |       |         |          |
| Internal Standards            |          |       |          |       |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.186    | 168   | 233444   | 30.00 | UG/L    | -0.02    |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.953    | 114   | 317586   | 30.00 | UG/L    | -0.02    |
| 69) CHLOROBENZENE-D5 ISTD     | 7.847    | 82    | 147702   | 30.00 | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 162214   | 30.00 | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.102    | 65    | 81698    | 23.16 | UG/L    | -0.02    |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =     | 92.64%  |          |
| 48) TOLUENE SS                | 6.578    | 98    | 307059   | 25.29 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =     | 101.16% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.957    | 95    | 111613   | 25.24 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =     | 100.96% |          |
| Target Compounds              |          |       |          |       |         |          |
|                               |          |       |          |       |         | Qvalue   |
| 6) VINYL CHLORIDE             | 1.093    | 62    | 3130     | 1.23  | UG/L #  | 80       |
| 14) ACETONE                   | 1.704    | 43    | 1265     | 2.28  | UG/L #  | 39       |
| 22) METHYLENE CHLORIDE        | 2.036    | 49    | 4967     | 1.85  | UG/L #  | 86       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.330    | 61    | 143512   | 45.92 | UG/L    | 88       |
| -----                         |          |       |          |       |         |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\082113\  
Data File : ve233016.D  
Acq On : 21 Aug 2013 2:07 pm  
Operator :  
Sample : 13h0569-05 @ 500x  
Misc : 500  
ALS Vial : 16 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:54:23 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# VOLATILES QC SUMMARY

**2 - FORM II**  
**SYSTEM MONITORING COMPOUND SUMMARY**  
**SW-846 8260C**

|             |                                |             |             |
|-------------|--------------------------------|-------------|-------------|
| Laboratory: | Con-Test Analytical Laboratory | SDG:        | 13H0569     |
| Client:     | CDM Smith, Inc. - NY           | Project:    | Buffalo, NY |
| Matrix:     | Water                          | Instrument: | GCMSVOA5    |

|              | 1,2-DCA-d4<br>(70% - 130%) | BFB<br>(70% - 130%) | TOL-d8<br>(70% - 130%) |
|--------------|----------------------------|---------------------|------------------------|
| 13H0569-01   | 91.9                       | 104                 | 99.3                   |
| 13H0569-03   | 90.7                       | 101                 | 97.6                   |
| 13H0569-04   | 93.2                       | 103                 | 99.5                   |
| 13H0569-05   | 92.6                       | 101                 | 101                    |
| B079226-BLK1 | 93.7                       | 105                 | 101                    |
| B079226-BS1  | 93.1                       | 103                 | 98.8                   |
| B079226-BSD1 | 93.1                       | 104                 | 99.5                   |

**2 - FORM II**  
**SYSTEM MONITORING COMPOUND SUMMARY**  
**SW-846 8260C**

|             |                                |             |             |
|-------------|--------------------------------|-------------|-------------|
| Laboratory: | Con-Test Analytical Laboratory | SDG:        | 13H0569     |
| Client:     | CDM Smith, Inc. - NY           | Project:    | Buffalo, NY |
| Matrix:     | Water                          | Instrument: | GCMSVOA5    |

|              | 1,2-DCA-d4<br>(70% - 130%) | BFB<br>(70% - 130%) | TOL-d8<br>(70% - 130%) |
|--------------|----------------------------|---------------------|------------------------|
| 13H0569-02   | 96.2                       | 98.9                | 97.8                   |
| B079321-BLK1 | 96.0                       | 106                 | 105                    |
| B079321-BS1  | 96.2                       | 100                 | 100                    |
| B079321-BSD1 | 96.5                       | 101                 | 101                    |
| B079321-MS1  | 100                        | 98.8                | 99.4                   |
| B079321-MSD1 | 102                        | 101                 | 99.9                   |

## 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MS1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE                               | SPIKE<br>ADDED<br>(µg/L) | SAMPLE<br>CONCENTRATION<br>(µg/L) | MS<br>CONCENTRATION<br>(µg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------------------------------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Acetone                               | 50000                    | ND                                | 49500                         | 98.9            | 70 - 130             |
| Acrylonitrile                         | 5000                     | ND                                | 5800                          | 116             | 70 - 130             |
| tert-Amyl Methyl Ether (TAME)         | 5000                     | ND                                | 6000                          | 120             | 70 - 130             |
| Benzene                               | 5000                     | ND                                | 5120                          | 102             | 70 - 130             |
| Bromobenzene                          | 5000                     | ND                                | 5410                          | 108             | 70 - 130             |
| Bromochloromethane                    | 5000                     | ND                                | 5740                          | 115             | 70 - 130             |
| Bromodichloromethane                  | 5000                     | ND                                | 5180                          | 104             | 70 - 130             |
| Bromoform                             | 5000                     | ND                                | 5350                          | 107             | 70 - 130             |
| Bromomethane                          | 5000                     | ND                                | 2060                          | 41.3            | * 70 - 130           |
| 2-Butanone (MEK)                      | 50000                    | ND                                | 62000                         | 124             | 70 - 130             |
| tert-Butyl Alcohol (TBA)              | 50000                    | ND                                | 66900                         | 134             | * 70 - 130           |
| n-Butylbenzene                        | 5000                     | ND                                | 5360                          | 107             | 70 - 130             |
| sec-Butylbenzene                      | 5000                     | ND                                | 5600                          | 112             | 70 - 130             |
| tert-Butylbenzene                     | 5000                     | ND                                | 5550                          | 111             | 70 - 130             |
| tert-Butyl Ethyl Ether (TBEE)         | 5000                     | ND                                | 6140                          | 123             | 70 - 130             |
| Carbon Disulfide                      | 5000                     | ND                                | 4490                          | 89.8            | 70 - 130             |
| Carbon Tetrachloride                  | 5000                     | ND                                | 4880                          | 97.5            | 70 - 130             |
| Chlorobenzene                         | 5000                     | ND                                | 5850                          | 117             | 70 - 130             |
| Chlorodibromomethane                  | 5000                     | ND                                | 5300                          | 106             | 70 - 130             |
| Chloroethane                          | 5000                     | ND                                | 4900                          | 97.9            | 70 - 130             |
| Chloroform                            | 5000                     | ND                                | 5180                          | 104             | 70 - 130             |
| Chloromethane                         | 5000                     | ND                                | 1690                          | 33.8            | * 70 - 130           |
| 2-Chlorotoluene                       | 5000                     | ND                                | 5700                          | 114             | 70 - 130             |
| 4-Chlorotoluene                       | 5000                     | ND                                | 5690                          | 114             | 70 - 130             |
| 1,2-Dibromo-3-chloropropane<br>(DBCP) | 5000                     | ND                                | 7860                          | 157             | * 70 - 130           |

## 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MS1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE                               | SPIKE<br>ADDED<br>(µg/L) | SAMPLE<br>CONCENTRATION<br>(µg/L) | MS<br>CONCENTRATION<br>(µg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------------------------------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| 1,2-Dibromoethane (EDB)               | 5000                     | ND                                | 5930                          | 119             | 70 - 130             |
| Dibromomethane                        | 5000                     | ND                                | 5570                          | 111             | 70 - 130             |
| 1,2-Dichlorobenzene                   | 5000                     | ND                                | 5980                          | 120             | 70 - 130             |
| 1,3-Dichlorobenzene                   | 5000                     | ND                                | 5640                          | 113             | 70 - 130             |
| 1,4-Dichlorobenzene                   | 5000                     | ND                                | 5200                          | 104             | 70 - 130             |
| trans-1,4-Dichloro-2-butene           | 5000                     | ND                                | 4660                          | 93.1            | 70 - 130             |
| Dichlorodifluoromethane<br>(Freon 12) | 5000                     | ND                                | 3070                          | 61.4            | * 70 - 130           |
| 1,1-Dichloroethane                    | 5000                     | ND                                | 5420                          | 108             | 70 - 130             |
| 1,2-Dichloroethane                    | 5000                     | ND                                | 4510                          | 90.2            | 70 - 130             |
| 1,1-Dichloroethylene                  | 5000                     | ND                                | 4680                          | 93.6            | 70 - 130             |
| cis-1,2-Dichloroethylene              | 5000                     | 21900                             | 26800                         | 98.2            | 70 - 130             |
| trans-1,2-Dichloroethylene            | 5000                     | ND                                | 5470                          | 109             | 70 - 130             |
| 1,2-Dichloropropane                   | 5000                     | ND                                | 5460                          | 109             | 70 - 130             |
| 1,3-Dichloropropane                   | 5000                     | ND                                | 5600                          | 112             | 70 - 130             |
| 2,2-Dichloropropane                   | 5000                     | ND                                | 3200                          | 64.0            | * 70 - 130           |
| 1,1-Dichloropropene                   | 5000                     | ND                                | 5160                          | 103             | 70 - 130             |
| cis-1,3-Dichloropropene               | 5000                     | ND                                | 5020                          | 100             | 70 - 130             |
| trans-1,3-Dichloropropene             | 5000                     | ND                                | 5440                          | 109             | 70 - 130             |
| Diethyl Ether                         | 5000                     | 260                               | 5040                          | 95.7            | 70 - 130             |
| Diisopropyl Ether (DIPE)              | 5000                     | ND                                | 6000                          | 120             | 70 - 130             |
| 1,4-Dioxane                           | 50000                    | ND                                | 64500                         | 129             | 70 - 130             |
| Ethylbenzene                          | 5000                     | ND                                | 5280                          | 106             | 70 - 130             |
| Hexachlorobutadiene                   | 5000                     | ND                                | 5380                          | 108             | 70 - 130             |
| 2-Hexanone (MBK)                      | 50000                    | ND                                | 64600                         | 129             | 70 - 130             |
| Isopropylbenzene (Cumene)             | 5000                     | ND                                | 5440                          | 109             | 70 - 130             |



### 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MS1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE                                           | SPIKE<br>ADDED<br>(µg/L) | SAMPLE<br>CONCENTRATION<br>(µg/L) | MS<br>CONCENTRATION<br>(µg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------------------------------------------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| p-Isopropyltoluene (p-Cymene)                     | 5000                     | ND                                | 5660                          | 113             | 70 - 130             |
| Methyl tert-Butyl Ether (MTBE)                    | 5000                     | ND                                | 6420                          | 128             | 70 - 130             |
| Methylene Chloride                                | 5000                     | ND                                | 5820                          | 116             | 70 - 130             |
| 4-Methyl-2-pentanone (MIBK)                       | 50000                    | ND                                | 62300                         | 125             | 70 - 130             |
| Naphthalene                                       | 5000                     | ND                                | 8560                          | 171             | * 70 - 130           |
| n-Propylbenzene                                   | 5000                     | ND                                | 5860                          | 117             | 70 - 130             |
| Styrene                                           | 5000                     | ND                                | 5340                          | 107             | 70 - 130             |
| 1,1,1,2-Tetrachloroethane                         | 5000                     | ND                                | 5400                          | 108             | 70 - 130             |
| 1,1,2,2-Tetrachloroethane                         | 5000                     | ND                                | 6400                          | 128             | 70 - 130             |
| Tetrachloroethylene                               | 5000                     | 110                               | 5030                          | 98.4            | 70 - 130             |
| Tetrahydrofuran                                   | 5000                     | ND                                | 6410                          | 128             | 70 - 130             |
| Toluene                                           | 5000                     | ND                                | 5220                          | 104             | 70 - 130             |
| 1,2,3-Trichlorobenzene                            | 5000                     | ND                                | 8200                          | 164             | * 70 - 130           |
| 1,2,4-Trichlorobenzene                            | 5000                     | ND                                | 6320                          | 126             | 70 - 130             |
| 1,3,5-Trichlorobenzene                            | 5000                     | ND                                | 5660                          | 113             | 70 - 130             |
| 1,1,1-Trichloroethane                             | 5000                     | ND                                | 5060                          | 101             | 70 - 130             |
| 1,1,2-Trichloroethane                             | 5000                     | ND                                | 5550                          | 111             | 70 - 130             |
| Trichloroethylene                                 | 5000                     | ND                                | 4920                          | 98.3            | 70 - 130             |
| Trichlorofluoromethane (Freon 11)                 | 5000                     | ND                                | 4540                          | 90.7            | 70 - 130             |
| 1,2,3-Trichloropropane                            | 5000                     | ND                                | 6240                          | 125             | 70 - 130             |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5000                     | ND                                | 4940                          | 98.7            | 70 - 130             |
| 1,2,4-Trimethylbenzene                            | 5000                     | ND                                | 5320                          | 106             | 70 - 130             |
| 1,3,5-Trimethylbenzene                            | 5000                     | ND                                | 5140                          | 103             | 70 - 130             |
| Vinyl Chloride                                    | 5000                     | 560                               | 4390                          | 76.6            | 70 - 130             |

**3 - FORM III****MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY**

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MS1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE    | SPIKE<br>ADDED<br>(µg/L) | SAMPLE<br>CONCENTRATION<br>(µg/L) | MS<br>CONCENTRATION<br>(µg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| m+p Xylene | 10000                    | ND                                | 10600                         | 106             | 70 - 130             |
| o-Xylene   | 5000                     | ND                                | 5620                          | 112             | 70 - 130             |

### 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE                               | SPIKE<br>ADDED<br>(µg/L) | MSD<br>CONCENTRATION<br>(µg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |          |
|---------------------------------------|--------------------------|--------------------------------|--------------------|----------|-----------|----------|
|                                       |                          |                                |                    |          | RPD       | REC.     |
| Acetone                               | 50000                    | 50500                          | 101                | 2.12     | 30        | 70 - 130 |
| Acrylonitrile                         | 5000                     | 6000                           | 120                | 3.39     | 30        | 70 - 130 |
| tert-Amyl Methyl Ether (TAME)         | 5000                     | 5940                           | 119                | 0.921    | 30        | 70 - 130 |
| Benzene                               | 5000                     | 5360                           | 107                | 4.48     | 30        | 70 - 130 |
| Bromobenzene                          | 5000                     | 5460                           | 109                | 1.01     | 30        | 70 - 130 |
| Bromochloromethane                    | 5000                     | 5740                           | 115                | 0.174    | 30        | 70 - 130 |
| Bromodichloromethane                  | 5000                     | 4840                           | 96.8               | 6.88     | 30        | 70 - 130 |
| Bromoform                             | 5000                     | 5300                           | 106                | 0.939    | 30        | 70 - 130 |
| Bromomethane                          | 5000                     | 2180                           | 43.6               | *        | 30        | 70 - 130 |
| 2-Butanone (MEK)                      | 50000                    | 60200                          | 120                | 2.98     | 30        | 70 - 130 |
| tert-Butyl Alcohol (TBA)              | 50000                    | 75000                          | 150                | *        | 30        | 70 - 130 |
| n-Butylbenzene                        | 5000                     | 5300                           | 106                | 1.12     | 30        | 70 - 130 |
| sec-Butylbenzene                      | 5000                     | 5580                           | 112                | 0.358    | 30        | 70 - 130 |
| tert-Butylbenzene                     | 5000                     | 5400                           | 108                | 2.83     | 30        | 70 - 130 |
| tert-Butyl Ethyl Ether (TBEE)         | 5000                     | 6000                           | 120                | 2.22     | 30        | 70 - 130 |
| Carbon Disulfide                      | 5000                     | 4370                           | 87.4               | 2.71     | 30        | 70 - 130 |
| Carbon Tetrachloride                  | 5000                     | 5060                           | 101                | 3.72     | 30        | 70 - 130 |
| Chlorobenzene                         | 5000                     | 5660                           | 113                | 3.39     | 30        | 70 - 130 |
| Chlorodibromomethane                  | 5000                     | 5140                           | 103                | 3.16     | 30        | 70 - 130 |
| Chloroethane                          | 5000                     | 4500                           | 89.9               | 8.52     | 30        | 70 - 130 |
| Chloroform                            | 5000                     | 5170                           | 103                | 0.290    | 30        | 70 - 130 |
| Chloromethane                         | 5000                     | 1300                           | 26.0               | *        | 30        | 70 - 130 |
| 2-Chlorotoluene                       | 5000                     | 5500                           | 110                | 3.57     | 30        | 70 - 130 |
| 4-Chlorotoluene                       | 5000                     | 5740                           | 115                | 0.962    | 30        | 70 - 130 |
| 1,2-Dibromo-3-chloropropane<br>(DBCP) | 5000                     | 7590                           | 152                | *        | 30        | 70 - 130 |

## 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE                               | SPIKE<br>ADDED<br>(µg/L) | MSD<br>CONCENTRATION<br>(µg/L) | MSD<br>%<br>REC. # | %     | QC LIMITS |          |          |
|---------------------------------------|--------------------------|--------------------------------|--------------------|-------|-----------|----------|----------|
|                                       |                          |                                |                    |       | RPD       | REC.     |          |
| 1,2-Dibromoethane (EDB)               | 5000                     | 5720                           | 114                | 3.61  | 30        | 70 - 130 |          |
| Dibromomethane                        | 5000                     | 5730                           | 115                | 2.83  | 30        | 70 - 130 |          |
| 1,2-Dichlorobenzene                   | 5000                     | 5710                           | 114                | 4.62  | 30        | 70 - 130 |          |
| 1,3-Dichlorobenzene                   | 5000                     | 5670                           | 113                | 0.531 | 30        | 70 - 130 |          |
| 1,4-Dichlorobenzene                   | 5000                     | 5190                           | 104                | 0.192 | 30        | 70 - 130 |          |
| trans-1,4-Dichloro-2-butene           | 5000                     | 4510                           | 90.2               | 3.16  | 30        | 70 - 130 |          |
| Dichlorodifluoromethane<br>(Freon 12) | 5000                     | 3060                           | 61.3               | *     | 0.163     | 30       | 70 - 130 |
| 1,1-Dichloroethane                    | 5000                     | 5370                           | 107                | 0.834 | 30        | 70 - 130 |          |
| 1,2-Dichloroethane                    | 5000                     | 4380                           | 87.7               | 2.81  | 30        | 70 - 130 |          |
| 1,1-Dichloroethylene                  | 5000                     | 4800                           | 95.9               | 2.43  | 30        | 70 - 130 |          |
| cis-1,2-Dichloroethylene              | 5000                     | 27100                          | 105                | 1.19  | 30        | 70 - 130 |          |
| trans-1,2-Dichloroethylene            | 5000                     | 5600                           | 112                | 2.26  | 30        | 70 - 130 |          |
| 1,2-Dichloropropane                   | 5000                     | 5220                           | 104                | 4.40  | 30        | 70 - 130 |          |
| 1,3-Dichloropropane                   | 5000                     | 5440                           | 109                | 2.90  | 30        | 70 - 130 |          |
| 2,2-Dichloropropane                   | 5000                     | 2980                           | 59.5               | *     | 7.29      | 30       | 70 - 130 |
| 1,1-Dichloropropene                   | 5000                     | 5020                           | 100                | 2.75  | 30        | 70 - 130 |          |
| cis-1,3-Dichloropropene               | 5000                     | 4790                           | 95.8               | 4.59  | 30        | 70 - 130 |          |
| trans-1,3-Dichloropropene             | 5000                     | 5280                           | 106                | 2.99  | 30        | 70 - 130 |          |
| Diethyl Ether                         | 5000                     | 5040                           | 95.7               | 0.00  | 30        | 70 - 130 |          |
| Diisopropyl Ether (DIPE)              | 5000                     | 5700                           | 114                | 5.30  | 30        | 70 - 130 |          |
| 1,4-Dioxane                           | 50000                    | 63700                          | 127                | 1.33  | 30        | 70 - 130 |          |
| Ethylbenzene                          | 5000                     | 5160                           | 103                | 2.20  | 30        | 70 - 130 |          |
| Hexachlorobutadiene                   | 5000                     | 5320                           | 106                | 1.12  | 30        | 70 - 130 |          |
| 2-Hexanone (MBK)                      | 50000                    | 62800                          | 126                | 2.85  | 30        | 70 - 130 |          |
| Isopropylbenzene (Cumene)             | 5000                     | 5610                           | 112                | 3.08  | 30        | 70 - 130 |          |

### 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE                                           | SPIKE<br>ADDED<br>(µg/L) | MSD<br>CONCENTRATION<br>(µg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |          |
|---------------------------------------------------|--------------------------|--------------------------------|--------------------|----------|-----------|----------|
|                                                   |                          |                                |                    |          | RPD       | REC.     |
| p-Isopropyltoluene (p-Cymene)                     | 5000                     | 5600                           | 112                | 1.16     | 30        | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE)                    | 5000                     | 6380                           | 128                | 0.469    | 30        | 70 - 130 |
| Methylene Chloride                                | 5000                     | 5560                           | 111                | 4.39     | 30        | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK)                       | 50000                    | 61300                          | 123                | 1.57     | 30        | 70 - 130 |
| Naphthalene                                       | 5000                     | 8560                           | 171 *              | 0.0584   | 30        | 70 - 130 |
| n-Propylbenzene                                   | 5000                     | 5840                           | 117                | 0.342    | 30        | 70 - 130 |
| Styrene                                           | 5000                     | 5330                           | 107                | 0.0938   | 30        | 70 - 130 |
| 1,1,1,2-Tetrachloroethane                         | 5000                     | 5200                           | 104                | 3.87     | 30        | 70 - 130 |
| 1,1,2,2-Tetrachloroethane                         | 5000                     | 6440                           | 129                | 0.701    | 30        | 70 - 130 |
| Tetrachloroethylene                               | 5000                     | 5040                           | 98.7               | 0.298    | 30        | 70 - 130 |
| Tetrahydrofuran                                   | 5000                     | 6360                           | 127                | 0.783    | 30        | 70 - 130 |
| Toluene                                           | 5000                     | 5140                           | 103                | 1.54     | 30        | 70 - 130 |
| 1,2,3-Trichlorobenzene                            | 5000                     | 8320                           | 166 *              | 1.57     | 30        | 70 - 130 |
| 1,2,4-Trichlorobenzene                            | 5000                     | 6200                           | 124                | 1.84     | 30        | 70 - 130 |
| 1,3,5-Trichlorobenzene                            | 5000                     | 5630                           | 113                | 0.443    | 30        | 70 - 130 |
| 1,1,1-Trichloroethane                             | 5000                     | 4960                           | 99.1               | 2.10     | 30        | 70 - 130 |
| 1,1,2-Trichloroethane                             | 5000                     | 5370                           | 107                | 3.30     | 30        | 70 - 130 |
| Trichloroethylene                                 | 5000                     | 5020                           | 100                | 2.01     | 30        | 70 - 130 |
| Trichlorofluoromethane (Freon 11)                 | 5000                     | 4640                           | 92.7               | 2.18     | 30        | 70 - 130 |
| 1,2,3-Trichloropropane                            | 5000                     | 6300                           | 126                | 0.958    | 30        | 70 - 130 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5000                     | 5240                           | 105                | 6.09     | 30        | 70 - 130 |
| 1,2,4-Trimethylbenzene                            | 5000                     | 5120                           | 102                | 3.93     | 30        | 70 - 130 |
| 1,3,5-Trimethylbenzene                            | 5000                     | 5220                           | 104                | 1.54     | 30        | 70 - 130 |
| Vinyl Chloride                                    | 5000                     | 4480                           | 78.5               | 2.14     | 30        | 70 - 130 |

### 3 - FORM III

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SW-846 8260C

Batch: B079321

Preparation: SW-846 5030B

% Solids:

Laboratory ID: B079321-MSD1

Initial/Final: 5 mL / 5 mL

Sample Lab ID: 13H0569-02

Column:

| ANALYTE    | SPIKE<br>ADDED<br>(µg/L) | MSD<br>CONCENTRATION<br>(µg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |          |
|------------|--------------------------|--------------------------------|--------------------|----------|-----------|----------|
|            |                          |                                |                    |          | RPD       | REC.     |
| m+p Xylene | 10000                    | 10600                          | 106                | 0.0471   | 20        | 70 - 130 |
| o-Xylene   | 5000                     | 5480                           | 110                | 2.43     | 30        | 70 - 130 |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079226

Laboratory ID: B079226-BS1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                            | SPIKE<br>ADDED<br>(µg/L) | LCS<br>CONCENTRATION<br>(µg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|------------------------------------|--------------------------|--------------------------------|------------------|----------------------|
| Acetone                            | 100                      | 75.1                           | 75.1             | 70 - 160             |
| Acrylonitrile                      | 10.0                     | 10.4                           | 104              | 70 - 130             |
| tert-Amyl Methyl Ether (TAME)      | 10.0                     | 10.4                           | 104              | 70 - 130             |
| Benzene                            | 10.0                     | 9.38                           | 93.8             | 70 - 130             |
| Bromobenzene                       | 10.0                     | 9.72                           | 97.2             | 70 - 130             |
| Bromochloromethane                 | 10.0                     | 10.4                           | 104              | 70 - 130             |
| Bromodichloromethane               | 10.0                     | 9.61                           | 96.1             | 70 - 130             |
| Bromoform                          | 10.0                     | 8.87                           | 88.7             | 70 - 130             |
| Bromomethane                       | 10.0                     | 3.90                           | 39.0 *           | 40 - 160             |
| 2-Butanone (MEK)                   | 100                      | 90.6                           | 90.6             | 40 - 160             |
| tert-Butyl Alcohol (TBA)           | 100                      | 118                            | 118              | 40 - 160             |
| n-Butylbenzene                     | 10.0                     | 9.49                           | 94.9             | 70 - 130             |
| sec-Butylbenzene                   | 10.0                     | 9.80                           | 98.0             | 70 - 130             |
| tert-Butylbenzene                  | 10.0                     | 9.08                           | 90.8             | 70 - 130             |
| tert-Butyl Ethyl Ether (TBEE)      | 10.0                     | 10.6                           | 106              | 70 - 130             |
| Carbon Disulfide                   | 10.0                     | 9.88                           | 98.8             | 70 - 130             |
| Carbon Tetrachloride               | 10.0                     | 8.78                           | 87.8             | 70 - 130             |
| Chlorobenzene                      | 10.0                     | 10.1                           | 101              | 70 - 130             |
| Chlorodibromomethane               | 10.0                     | 9.47                           | 94.7             | 70 - 130             |
| Chloroethane                       | 10.0                     | 8.15                           | 81.5             | 70 - 130             |
| Chloroform                         | 10.0                     | 9.54                           | 95.4             | 70 - 130             |
| Chloromethane                      | 10.0                     | 2.68                           | 26.8 *           | 40 - 160             |
| 2-Chlorotoluene                    | 10.0                     | 9.82                           | 98.2             | 70 - 130             |
| 4-Chlorotoluene                    | 10.0                     | 10.6                           | 106              | 70 - 130             |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0                     | 10.8                           | 108              | 70 - 130             |
| 1,2-Dibromoethane (EDB)            | 10.0                     | 10.4                           | 104              | 70 - 130             |
| Dibromomethane                     | 10.0                     | 10.1                           | 101              | 70 - 130             |
| 1,2-Dichlorobenzene                | 10.0                     | 9.84                           | 98.4             | 70 - 130             |
| 1,3-Dichlorobenzene                | 10.0                     | 9.75                           | 97.5             | 70 - 130             |
| 1,4-Dichlorobenzene                | 10.0                     | 8.93                           | 89.3             | 70 - 130             |
| trans-1,4-Dichloro-2-butene        | 10.0                     | 9.53                           | 95.3             | 70 - 130             |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079226

Laboratory ID: B079226-BS1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                            | SPIKE<br>ADDED<br>(µg/L) | LCS<br>CONCENTRATION<br>(µg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|------------------------------------|--------------------------|--------------------------------|------------------|----------------------|
| Dichlorodifluoromethane (Freon 12) | 10.0                     | 5.81                           | 58.1             | 40 - 160             |
| 1,1-Dichloroethane                 | 10.0                     | 10.2                           | 102              | 70 - 130             |
| 1,2-Dichloroethane                 | 10.0                     | 8.34                           | 83.4             | 70 - 130             |
| 1,1-Dichloroethylene               | 10.0                     | 8.98                           | 89.8             | 70 - 130             |
| cis-1,2-Dichloroethylene           | 10.0                     | 8.84                           | 88.4             | 70 - 130             |
| trans-1,2-Dichloroethylene         | 10.0                     | 9.97                           | 99.7             | 70 - 130             |
| 1,2-Dichloropropane                | 10.0                     | 9.86                           | 98.6             | 70 - 130             |
| 1,3-Dichloropropane                | 10.0                     | 10.1                           | 101              | 70 - 130             |
| 2,2-Dichloropropane                | 10.0                     | 9.64                           | 96.4             | 40 - 130             |
| 1,1-Dichloropropene                | 10.0                     | 9.03                           | 90.3             | 70 - 130             |
| cis-1,3-Dichloropropene            | 10.0                     | 9.90                           | 99.0             | 70 - 130             |
| trans-1,3-Dichloropropene          | 10.0                     | 10.5                           | 105              | 70 - 130             |
| Diethyl Ether                      | 10.0                     | 9.15                           | 91.5             | 70 - 130             |
| Diisopropyl Ether (DIPE)           | 10.0                     | 11.0                           | 110              | 70 - 130             |
| 1,4-Dioxane                        | 100                      | 97.0                           | 97.0             | 40 - 130             |
| Ethylbenzene                       | 10.0                     | 9.48                           | 94.8             | 70 - 130             |
| Hexachlorobutadiene                | 10.0                     | 9.54                           | 95.4             | 70 - 130             |
| 2-Hexanone (MBK)                   | 100                      | 95.1                           | 95.1             | 70 - 160             |
| Isopropylbenzene (Cumene)          | 10.0                     | 9.88                           | 98.8             | 70 - 130             |
| p-Isopropyltoluene (p-Cymene)      | 10.0                     | 9.62                           | 96.2             | 70 - 130             |
| Methyl tert-Butyl Ether (MTBE)     | 10.0                     | 11.3                           | 113              | 70 - 130             |
| Methylene Chloride                 | 10.0                     | 11.2                           | 112              | 70 - 130             |
| 4-Methyl-2-pentanone (MIBK)        | 100                      | 94.1                           | 94.1             | 70 - 160             |
| Naphthalene                        | 10.0                     | 12.2                           | 122              | 40 - 130             |
| n-Propylbenzene                    | 10.0                     | 10.5                           | 105              | 70 - 130             |
| Styrene                            | 10.0                     | 9.85                           | 98.5             | 70 - 130             |
| 1,1,1,2-Tetrachloroethane          | 10.0                     | 9.33                           | 93.3             | 70 - 130             |
| 1,1,2,2-Tetrachloroethane          | 10.0                     | 10.3                           | 103              | 70 - 130             |
| Tetrachloroethylene                | 10.0                     | 9.56                           | 95.6             | 70 - 130             |
| Tetrahydrofuran                    | 10.0                     | 11.2                           | 112              | 70 - 130             |
| Toluene                            | 10.0                     | 9.59                           | 95.9             | 70 - 130             |



## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079226

Laboratory ID: B079226-BS1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                                           | SPIKE<br>ADDED<br>(µg/L) | LCS<br>CONCENTRATION<br>(µg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------------------------------------------------|--------------------------|--------------------------------|------------------|----------------------|
| 1,2,3-Trichlorobenzene                            | 10.0                     | 12.8                           | 128              | 70 - 130             |
| 1,2,4-Trichlorobenzene                            | 10.0                     | 10.7                           | 107              | 70 - 130             |
| 1,3,5-Trichlorobenzene                            | 10.0                     | 9.79                           | 97.9             | 70 - 130             |
| 1,1,1-Trichloroethane                             | 10.0                     | 8.91                           | 89.1             | 70 - 130             |
| 1,1,2-Trichloroethane                             | 10.0                     | 9.57                           | 95.7             | 70 - 130             |
| Trichloroethylene                                 | 10.0                     | 8.88                           | 88.8             | 70 - 130             |
| Trichlorofluoromethane (Freon 11)                 | 10.0                     | 8.13                           | 81.3             | 70 - 130             |
| 1,2,3-Trichloropropane                            | 10.0                     | 10.0                           | 100              | 70 - 130             |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0                     | 9.99                           | 99.9             | 70 - 130             |
| 1,2,4-Trimethylbenzene                            | 10.0                     | 9.00                           | 90.0             | 70 - 130             |
| 1,3,5-Trimethylbenzene                            | 10.0                     | 9.34                           | 93.4             | 70 - 130             |
| Vinyl Chloride                                    | 10.0                     | 7.33                           | 73.3             | 40 - 160             |
| m+p Xylene                                        | 20.0                     | 19.0                           | 95.2             | 70 - 130             |
| o-Xylene                                          | 10.0                     | 10.1                           | 101              | 70 - 130             |

| ANALYTE                       | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS<br>RPD | REC.     |
|-------------------------------|--------------------------|---------------------------------|---------------------|------------|------------------|----------|
| Acetone                       | 100                      | 80.6                            | 80.6                | 7.16       | 25               | 70 - 160 |
| Acrylonitrile                 | 10.0                     | 10.8                            | 108                 | 3.87       | 25               | 70 - 130 |
| tert-Amyl Methyl Ether (TAME) | 10.0                     | 11.1                            | 111                 | 6.81       | 25               | 70 - 130 |
| Benzene                       | 10.0                     | 9.78                            | 97.8                | 4.18       | 25               | 70 - 130 |
| Bromobenzene                  | 10.0                     | 10.0                            | 100                 | 3.04       | 25               | 70 - 130 |
| Bromochloromethane            | 10.0                     | 10.8                            | 108                 | 2.83       | 25               | 70 - 130 |
| Bromodichloromethane          | 10.0                     | 9.63                            | 96.3                | 0.208      | 25               | 70 - 130 |
| Bromoform                     | 10.0                     | 9.30                            | 93.0                | 4.73       | 25               | 70 - 130 |
| Bromomethane                  | 10.0                     | 4.48                            | 44.8                | 13.8       | 25               | 40 - 160 |
| 2-Butanone (MEK)              | 100                      | 92.5                            | 92.5                | 2.02       | 25               | 40 - 160 |
| tert-Butyl Alcohol (TBA)      | 100                      | 121                             | 121                 | 2.92       | 25               | 40 - 160 |
| n-Butylbenzene                | 10.0                     | 9.49                            | 94.9                | 0.00       | 25               | 70 - 130 |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079226

Laboratory ID: B079226-BSD1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                               | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS |          |
|---------------------------------------|--------------------------|---------------------------------|---------------------|------------|-----------|----------|
|                                       |                          |                                 |                     |            | RPD       | REC.     |
| sec-Butylbenzene                      | 10.0                     | 9.58                            | 95.8                | 2.27       | 25        | 70 - 130 |
| tert-Butylbenzene                     | 10.0                     | 9.29                            | 92.9                | 2.29       | 25        | 70 - 130 |
| tert-Butyl Ethyl Ether (TBEE)         | 10.0                     | 11.0                            | 110                 | 3.53       | 25        | 70 - 130 |
| Carbon Disulfide                      | 10.0                     | 9.65                            | 96.5                | 2.36       | 25        | 70 - 130 |
| Carbon Tetrachloride                  | 10.0                     | 8.93                            | 89.3                | 1.69       | 25        | 70 - 130 |
| Chlorobenzene                         | 10.0                     | 10.6                            | 106                 | 4.75       | 25        | 70 - 130 |
| Chlorodibromomethane                  | 10.0                     | 9.74                            | 97.4                | 2.81       | 25        | 70 - 130 |
| Chloroethane                          | 10.0                     | 8.26                            | 82.6                | 1.34       | 25        | 70 - 130 |
| Chloroform                            | 10.0                     | 10.0                            | 100                 | 4.71       | 25        | 70 - 130 |
| Chloromethane                         | 10.0                     | 2.73                            | 27.3                | * 1.85     | 25        | 40 - 160 |
| 2-Chlorotoluene                       | 10.0                     | 10.0                            | 100                 | 2.32       | 25        | 70 - 130 |
| 4-Chlorotoluene                       | 10.0                     | 10.4                            | 104                 | 1.62       | 25        | 70 - 130 |
| 1,2-Dibromo-3-chloropropane<br>(DBCP) | 10.0                     | 11.1                            | 111                 | 2.37       | 25        | 70 - 130 |
| 1,2-Dibromoethane (EDB)               | 10.0                     | 10.8                            | 108                 | 3.86       | 25        | 70 - 130 |
| Dibromomethane                        | 10.0                     | 10.7                            | 107                 | 5.87       | 25        | 70 - 130 |
| 1,2-Dichlorobenzene                   | 10.0                     | 10.1                            | 101                 | 2.51       | 25        | 70 - 130 |
| 1,3-Dichlorobenzene                   | 10.0                     | 9.93                            | 99.3                | 1.83       | 25        | 70 - 130 |
| 1,4-Dichlorobenzene                   | 10.0                     | 9.21                            | 92.1                | 3.09       | 25        | 70 - 130 |
| trans-1,4-Dichloro-2-butene           | 10.0                     | 9.65                            | 96.5                | 1.25       | 25        | 70 - 130 |
| Dichlorodifluoromethane (Freon<br>12) | 10.0                     | 5.85                            | 58.5                | 0.686      | 25        | 40 - 160 |
| 1,1-Dichloroethane                    | 10.0                     | 10.2                            | 102                 | 0.980      | 25        | 70 - 130 |
| 1,2-Dichloroethane                    | 10.0                     | 8.51                            | 85.1                | 2.02       | 25        | 70 - 130 |
| 1,1-Dichloroethylene                  | 10.0                     | 9.38                            | 93.8                | 4.36       | 25        | 70 - 130 |
| cis-1,2-Dichloroethylene              | 10.0                     | 9.32                            | 93.2                | 5.29       | 25        | 70 - 130 |
| trans-1,2-Dichloroethylene            | 10.0                     | 10.0                            | 100                 | 0.799      | 25        | 70 - 130 |
| 1,2-Dichloropropane                   | 10.0                     | 10.2                            | 102                 | 2.90       | 25        | 70 - 130 |
| 1,3-Dichloropropane                   | 10.0                     | 10.1                            | 101                 | 0.0988     | 25        | 70 - 130 |
| 2,2-Dichloropropane                   | 10.0                     | 9.64                            | 96.4                | 0.00       | 25        | 40 - 130 |
| 1,1-Dichloropropene                   | 10.0                     | 9.47                            | 94.7                | 4.76       | 25        | 70 - 130 |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079226

Laboratory ID: B079226-BSD1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                           | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS |          |
|-----------------------------------|--------------------------|---------------------------------|---------------------|------------|-----------|----------|
|                                   |                          |                                 |                     |            | RPD       | REC.     |
| cis-1,3-Dichloropropene           | 10.0                     | 10.4                            | 104                 | 4.64       | 25        | 70 - 130 |
| trans-1,3-Dichloropropene         | 10.0                     | 11.0                            | 110                 | 4.65       | 25        | 70 - 130 |
| Diethyl Ether                     | 10.0                     | 9.84                            | 98.4                | 7.27       | 25        | 70 - 130 |
| Diisopropyl Ether (DIPE)          | 10.0                     | 11.5                            | 115                 | 4.09       | 25        | 70 - 130 |
| 1,4-Dioxane                       | 100                      | 111                             | 111                 | 13.7       | 50        | 40 - 130 |
| Ethylbenzene                      | 10.0                     | 9.61                            | 96.1                | 1.36       | 25        | 70 - 130 |
| Hexachlorobutadiene               | 10.0                     | 9.37                            | 93.7                | 1.80       | 25        | 70 - 130 |
| 2-Hexanone (MBK)                  | 100                      | 98.4                            | 98.4                | 3.41       | 25        | 70 - 160 |
| Isopropylbenzene (Cumene)         | 10.0                     | 9.86                            | 98.6                | 0.203      | 25        | 70 - 130 |
| p-Isopropyltoluene (p-Cymene)     | 10.0                     | 10.1                            | 101                 | 4.97       | 25        | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE)    | 10.0                     | 12.0                            | 120                 | 5.75       | 25        | 70 - 130 |
| Methylene Chloride                | 10.0                     | 11.8                            | 118                 | 5.31       | 25        | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK)       | 100                      | 101                             | 101                 | 6.78       | 25        | 70 - 160 |
| Naphthalene                       | 10.0                     | 13.1                            | 131                 | 6.81       | 25        | 40 - 130 |
| n-Propylbenzene                   | 10.0                     | 10.5                            | 105                 | 0.286      | 25        | 70 - 130 |
| Styrene                           | 10.0                     | 10.2                            | 102                 | 3.78       | 25        | 70 - 130 |
| 1,1,1,2-Tetrachloroethane         | 10.0                     | 9.57                            | 95.7                | 2.54       | 25        | 70 - 130 |
| 1,1,2,2-Tetrachloroethane         | 10.0                     | 10.6                            | 106                 | 3.06       | 25        | 70 - 130 |
| Tetrachloroethylene               | 10.0                     | 9.64                            | 96.4                | 0.833      | 25        | 70 - 130 |
| Tetrahydrofuran                   | 10.0                     | 9.23                            | 92.3                | 19.5       | 25        | 70 - 130 |
| Toluene                           | 10.0                     | 9.86                            | 98.6                | 2.78       | 25        | 70 - 130 |
| 1,2,3-Trichlorobenzene            | 10.0                     | 13.2                            | 132                 | 3.61       | 25        | 70 - 130 |
| 1,2,4-Trichlorobenzene            | 10.0                     | 10.7                            | 107                 | 0.0935     | 25        | 70 - 130 |
| 1,3,5-Trichlorobenzene            | 10.0                     | 9.80                            | 98.0                | 0.102      | 25        | 70 - 130 |
| 1,1,1-Trichloroethane             | 10.0                     | 8.90                            | 89.0                | 0.112      | 25        | 70 - 130 |
| 1,1,2-Trichloroethane             | 10.0                     | 9.91                            | 99.1                | 3.49       | 25        | 70 - 130 |
| Trichloroethylene                 | 10.0                     | 9.23                            | 92.3                | 3.87       | 25        | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0                     | 8.30                            | 83.0                | 2.07       | 25        | 70 - 130 |
| 1,2,3-Trichloropropane            | 10.0                     | 10.5                            | 105                 | 4.87       | 25        | 70 - 130 |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079226

Laboratory ID: B079226-BSD1

Column: Initial/Final: 5 mL / 5 mL

| ANALYTE                                           | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS |          |
|---------------------------------------------------|--------------------------|---------------------------------|---------------------|------------|-----------|----------|
|                                                   |                          |                                 |                     |            | RPD       | REC.     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0                     | 10.1                            | 101                 | 0.996      | 25        | 70 - 130 |
| 1,2,4-Trimethylbenzene                            | 10.0                     | 9.20                            | 92.0                | 2.20       | 25        | 70 - 130 |
| 1,3,5-Trimethylbenzene                            | 10.0                     | 9.53                            | 95.3                | 2.01       | 25        | 70 - 130 |
| Vinyl Chloride                                    | 10.0                     | 7.53                            | 75.3                | 2.69       | 25        | 40 - 160 |
| m+p Xylene                                        | 20.0                     | 19.4                            | 97.0                | 1.92       | 25        | 70 - 130 |
| o-Xylene                                          | 10.0                     | 10.1                            | 101                 | 0.198      | 25        | 70 - 130 |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079321

Laboratory ID: B079321-BS1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                            | SPIKE<br>ADDED<br>(µg/L) | LCS<br>CONCENTRATION<br>(µg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|------------------------------------|--------------------------|--------------------------------|------------------|----------------------|
| Acetone                            | 100                      | 82.5                           | 82.5             | 70 - 160             |
| Acrylonitrile                      | 10.0                     | 10.6                           | 106              | 70 - 130             |
| tert-Amyl Methyl Ether (TAME)      | 10.0                     | 10.8                           | 108              | 70 - 130             |
| Benzene                            | 10.0                     | 9.67                           | 96.7             | 70 - 130             |
| Bromobenzene                       | 10.0                     | 9.95                           | 99.5             | 70 - 130             |
| Bromochloromethane                 | 10.0                     | 10.3                           | 103              | 70 - 130             |
| Bromodichloromethane               | 10.0                     | 9.34                           | 93.4             | 70 - 130             |
| Bromoform                          | 10.0                     | 9.18                           | 91.8             | 70 - 130             |
| Bromomethane                       | 10.0                     | 6.14                           | 61.4             | 40 - 160             |
| 2-Butanone (MEK)                   | 100                      | 94.6                           | 94.6             | 40 - 160             |
| tert-Butyl Alcohol (TBA)           | 100                      | 120                            | 120              | 40 - 160             |
| n-Butylbenzene                     | 10.0                     | 10.1                           | 101              | 70 - 130             |
| sec-Butylbenzene                   | 10.0                     | 10.7                           | 107              | 70 - 130             |
| tert-Butylbenzene                  | 10.0                     | 9.94                           | 99.4             | 70 - 130             |
| tert-Butyl Ethyl Ether (TBEE)      | 10.0                     | 10.8                           | 108              | 70 - 130             |
| Carbon Disulfide                   | 10.0                     | 9.75                           | 97.5             | 70 - 130             |
| Carbon Tetrachloride               | 10.0                     | 8.95                           | 89.5             | 70 - 130             |
| Chlorobenzene                      | 10.0                     | 10.2                           | 102              | 70 - 130             |
| Chlorodibromomethane               | 10.0                     | 9.50                           | 95.0             | 70 - 130             |
| Chloroethane                       | 10.0                     | 8.41                           | 84.1             | 70 - 130             |
| Chloroform                         | 10.0                     | 9.54                           | 95.4             | 70 - 130             |
| Chloromethane                      | 10.0                     | 3.22                           | 32.2 *           | 40 - 160             |
| 2-Chlorotoluene                    | 10.0                     | 10.5                           | 105              | 70 - 130             |
| 4-Chlorotoluene                    | 10.0                     | 10.6                           | 106              | 70 - 130             |
| 1,2-Dibromo-3-chloropropane (DBCP) | 10.0                     | 12.0                           | 120              | 70 - 130             |
| 1,2-Dibromoethane (EDB)            | 10.0                     | 10.0                           | 100              | 70 - 130             |
| Dibromomethane                     | 10.0                     | 9.91                           | 99.1             | 70 - 130             |
| 1,2-Dichlorobenzene                | 10.0                     | 10.7                           | 107              | 70 - 130             |
| 1,3-Dichlorobenzene                | 10.0                     | 10.7                           | 107              | 70 - 130             |
| 1,4-Dichlorobenzene                | 10.0                     | 9.70                           | 97.0             | 70 - 130             |
| trans-1,4-Dichloro-2-butene        | 10.0                     | 10.4                           | 104              | 70 - 130             |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079321

Laboratory ID: B079321-BS1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                            | SPIKE<br>ADDED<br>(µg/L) | LCS<br>CONCENTRATION<br>(µg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|------------------------------------|--------------------------|--------------------------------|------------------|----------------------|
| Dichlorodifluoromethane (Freon 12) | 10.0                     | 4.96                           | 49.6             | 40 - 160             |
| 1,1-Dichloroethane                 | 10.0                     | 10.0                           | 100              | 70 - 130             |
| 1,2-Dichloroethane                 | 10.0                     | 8.12                           | 81.2             | 70 - 130             |
| 1,1-Dichloroethylene               | 10.0                     | 8.98                           | 89.8             | 70 - 130             |
| cis-1,2-Dichloroethylene           | 10.0                     | 9.05                           | 90.5             | 70 - 130             |
| trans-1,2-Dichloroethylene         | 10.0                     | 10.0                           | 100              | 70 - 130             |
| 1,2-Dichloropropane                | 10.0                     | 9.92                           | 99.2             | 70 - 130             |
| 1,3-Dichloropropane                | 10.0                     | 10.3                           | 103              | 70 - 130             |
| 2,2-Dichloropropane                | 10.0                     | 9.92                           | 99.2             | 40 - 130             |
| 1,1-Dichloropropene                | 10.0                     | 9.55                           | 95.5             | 70 - 130             |
| cis-1,3-Dichloropropene            | 10.0                     | 9.90                           | 99.0             | 70 - 130             |
| trans-1,3-Dichloropropene          | 10.0                     | 10.6                           | 106              | 70 - 130             |
| Diethyl Ether                      | 10.0                     | 9.68                           | 96.8             | 70 - 130             |
| Diisopropyl Ether (DIPE)           | 10.0                     | 11.0                           | 110              | 70 - 130             |
| 1,4-Dioxane                        | 100                      | 104                            | 104              | 40 - 130             |
| Ethylbenzene                       | 10.0                     | 9.73                           | 97.3             | 70 - 130             |
| Hexachlorobutadiene                | 10.0                     | 10.0                           | 100              | 70 - 130             |
| 2-Hexanone (MBK)                   | 100                      | 100                            | 100              | 70 - 160             |
| Isopropylbenzene (Cumene)          | 10.0                     | 10.2                           | 102              | 70 - 130             |
| p-Isopropyltoluene (p-Cymene)      | 10.0                     | 10.6                           | 106              | 70 - 130             |
| Methyl tert-Butyl Ether (MTBE)     | 10.0                     | 11.6                           | 116              | 70 - 130             |
| Methylene Chloride                 | 10.0                     | 12.2                           | 122              | 70 - 130             |
| 4-Methyl-2-pentanone (MIBK)        | 100                      | 96.6                           | 96.6             | 70 - 160             |
| Naphthalene                        | 10.0                     | 13.6                           | 136              | 40 - 130             |
| n-Propylbenzene                    | 10.0                     | 11.2                           | 112              | 70 - 130             |
| Styrene                            | 10.0                     | 10.4                           | 104              | 70 - 130             |
| 1,1,1,2-Tetrachloroethane          | 10.0                     | 9.53                           | 95.3             | 70 - 130             |
| 1,1,2,2-Tetrachloroethane          | 10.0                     | 10.8                           | 108              | 70 - 130             |
| Tetrachloroethylene                | 10.0                     | 9.55                           | 95.5             | 70 - 130             |
| Tetrahydrofuran                    | 10.0                     | 11.1                           | 111              | 70 - 130             |
| Toluene                            | 10.0                     | 9.65                           | 96.5             | 70 - 130             |

## 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079321

Laboratory ID: B079321-BS1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                                           | SPIKE<br>ADDED<br>(µg/L) | LCS<br>CONCENTRATION<br>(µg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------------------------------------------------|--------------------------|--------------------------------|------------------|----------------------|
| 1,2,3-Trichlorobenzene                            | 10.0                     | 14.1                           | 141 *            | 70 - 130             |
| 1,2,4-Trichlorobenzene                            | 10.0                     | 11.4                           | 114              | 70 - 130             |
| 1,3,5-Trichlorobenzene                            | 10.0                     | 10.4                           | 104              | 70 - 130             |
| 1,1,1-Trichloroethane                             | 10.0                     | 9.01                           | 90.1             | 70 - 130             |
| 1,1,2-Trichloroethane                             | 10.0                     | 9.64                           | 96.4             | 70 - 130             |
| Trichloroethylene                                 | 10.0                     | 8.95                           | 89.5             | 70 - 130             |
| Trichlorofluoromethane (Freon 11)                 | 10.0                     | 7.96                           | 79.6             | 70 - 130             |
| 1,2,3-Trichloropropane                            | 10.0                     | 10.7                           | 107              | 70 - 130             |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0                     | 9.73                           | 97.3             | 70 - 130             |
| 1,2,4-Trimethylbenzene                            | 10.0                     | 9.75                           | 97.5             | 70 - 130             |
| 1,3,5-Trimethylbenzene                            | 10.0                     | 9.64                           | 96.4             | 70 - 130             |
| Vinyl Chloride                                    | 10.0                     | 7.40                           | 74.0             | 40 - 160             |
| m+p Xylene                                        | 20.0                     | 19.8                           | 98.9             | 70 - 130             |
| o-Xylene                                          | 10.0                     | 10.5                           | 105              | 70 - 130             |

| ANALYTE                       | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS<br>RPD | REC.     |
|-------------------------------|--------------------------|---------------------------------|---------------------|------------|------------------|----------|
| Acetone                       | 100                      | 83.0                            | 83.0                | 0.544      | 25               | 70 - 160 |
| Acrylonitrile                 | 10.0                     | 10.7                            | 107                 | 0.655      | 25               | 70 - 130 |
| tert-Amyl Methyl Ether (TAME) | 10.0                     | 10.6                            | 106                 | 1.40       | 25               | 70 - 130 |
| Benzene                       | 10.0                     | 9.66                            | 96.6                | 0.103      | 25               | 70 - 130 |
| Bromobenzene                  | 10.0                     | 10.3                            | 103                 | 3.17       | 25               | 70 - 130 |
| Bromochloromethane            | 10.0                     | 10.4                            | 104                 | 1.16       | 25               | 70 - 130 |
| Bromodichloromethane          | 10.0                     | 9.40                            | 94.0                | 0.640      | 25               | 70 - 130 |
| Bromoform                     | 10.0                     | 9.53                            | 95.3                | 3.74       | 25               | 70 - 130 |
| Bromomethane                  | 10.0                     | 6.26                            | 62.6                | 1.94       | 25               | 40 - 160 |
| 2-Butanone (MEK)              | 100                      | 93.5                            | 93.5                | 1.16       | 25               | 40 - 160 |
| tert-Butyl Alcohol (TBA)      | 100                      | 122                             | 122                 | 1.33       | 25               | 40 - 160 |
| n-Butylbenzene                | 10.0                     | 10.2                            | 102                 | 0.885      | 25               | 70 - 130 |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079321

Laboratory ID: B079321-BSD1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                               | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS |          |
|---------------------------------------|--------------------------|---------------------------------|---------------------|------------|-----------|----------|
|                                       |                          |                                 |                     |            | RPD       | REC.     |
| sec-Butylbenzene                      | 10.0                     | 10.6                            | 106                 | 0.376      | 25        | 70 - 130 |
| tert-Butylbenzene                     | 10.0                     | 10.0                            | 100                 | 1.10       | 25        | 70 - 130 |
| tert-Butyl Ethyl Ether (TBEE)         | 10.0                     | 10.9                            | 109                 | 1.01       | 25        | 70 - 130 |
| Carbon Disulfide                      | 10.0                     | 9.63                            | 96.3                | 1.24       | 25        | 70 - 130 |
| Carbon Tetrachloride                  | 10.0                     | 8.85                            | 88.5                | 1.12       | 25        | 70 - 130 |
| Chlorobenzene                         | 10.0                     | 10.5                            | 105                 | 2.41       | 25        | 70 - 130 |
| Chlorodibromomethane                  | 10.0                     | 9.66                            | 96.6                | 1.67       | 25        | 70 - 130 |
| Chloroethane                          | 10.0                     | 8.00                            | 80.0                | 5.00       | 25        | 70 - 130 |
| Chloroform                            | 10.0                     | 9.60                            | 96.0                | 0.627      | 25        | 70 - 130 |
| Chloromethane                         | 10.0                     | 3.12                            | 31.2                | *          | 25        | 40 - 160 |
| 2-Chlorotoluene                       | 10.0                     | 10.6                            | 106                 | 0.285      | 25        | 70 - 130 |
| 4-Chlorotoluene                       | 10.0                     | 10.8                            | 108                 | 1.58       | 25        | 70 - 130 |
| 1,2-Dibromo-3-chloropropane<br>(DBCP) | 10.0                     | 12.4                            | 124                 | 3.12       | 25        | 70 - 130 |
| 1,2-Dibromoethane (EDB)               | 10.0                     | 10.1                            | 101                 | 1.09       | 25        | 70 - 130 |
| Dibromomethane                        | 10.0                     | 10.2                            | 102                 | 2.49       | 25        | 70 - 130 |
| 1,2-Dichlorobenzene                   | 10.0                     | 10.6                            | 106                 | 0.658      | 25        | 70 - 130 |
| 1,3-Dichlorobenzene                   | 10.0                     | 10.5                            | 105                 | 1.79       | 25        | 70 - 130 |
| 1,4-Dichlorobenzene                   | 10.0                     | 9.75                            | 97.5                | 0.514      | 25        | 70 - 130 |
| trans-1,4-Dichloro-2-butene           | 10.0                     | 10.2                            | 102                 | 1.56       | 25        | 70 - 130 |
| Dichlorodifluoromethane (Freon<br>12) | 10.0                     | 5.06                            | 50.6                | 2.00       | 25        | 40 - 160 |
| 1,1-Dichloroethane                    | 10.0                     | 10.1                            | 101                 | 0.696      | 25        | 70 - 130 |
| 1,2-Dichloroethane                    | 10.0                     | 8.38                            | 83.8                | 3.15       | 25        | 70 - 130 |
| 1,1-Dichloroethylene                  | 10.0                     | 9.19                            | 91.9                | 2.31       | 25        | 70 - 130 |
| cis-1,2-Dichloroethylene              | 10.0                     | 9.08                            | 90.8                | 0.331      | 25        | 70 - 130 |
| trans-1,2-Dichloroethylene            | 10.0                     | 10.2                            | 102                 | 1.78       | 25        | 70 - 130 |
| 1,2-Dichloropropane                   | 10.0                     | 9.94                            | 99.4                | 0.201      | 25        | 70 - 130 |
| 1,3-Dichloropropane                   | 10.0                     | 10.4                            | 104                 | 1.45       | 25        | 70 - 130 |
| 2,2-Dichloropropane                   | 10.0                     | 10.0                            | 100                 | 0.903      | 25        | 40 - 130 |
| 1,1-Dichloropropene                   | 10.0                     | 9.52                            | 95.2                | 0.315      | 25        | 70 - 130 |



### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079321

Laboratory ID: B079321-BSD1

Column:

Initial/Final: 5 mL / 5 mL

| ANALYTE                           | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS |          |
|-----------------------------------|--------------------------|---------------------------------|---------------------|------------|-----------|----------|
|                                   |                          |                                 |                     |            | RPD       | REC.     |
| cis-1,3-Dichloropropene           | 10.0                     | 9.99                            | 99.9                | 0.905      | 25        | 70 - 130 |
| trans-1,3-Dichloropropene         | 10.0                     | 10.3                            | 103                 | 2.01       | 25        | 70 - 130 |
| Diethyl Ether                     | 10.0                     | 9.54                            | 95.4                | 1.46       | 25        | 70 - 130 |
| Diisopropyl Ether (DIPE)          | 10.0                     | 11.0                            | 110                 | 0.273      | 25        | 70 - 130 |
| 1,4-Dioxane                       | 100                      | 101                             | 101                 | 2.63       | 50        | 40 - 130 |
| Ethylbenzene                      | 10.0                     | 9.68                            | 96.8                | 0.515      | 25        | 70 - 130 |
| Hexachlorobutadiene               | 10.0                     | 10.1                            | 101                 | 0.895      | 25        | 70 - 130 |
| 2-Hexanone (MBK)                  | 100                      | 98.1                            | 98.1                | 1.91       | 25        | 70 - 160 |
| Isopropylbenzene (Cumene)         | 10.0                     | 10.5                            | 105                 | 2.99       | 25        | 70 - 130 |
| p-Isopropyltoluene (p-Cymene)     | 10.0                     | 10.6                            | 106                 | 0.00       | 25        | 70 - 130 |
| Methyl tert-Butyl Ether (MTBE)    | 10.0                     | 11.8                            | 118                 | 1.28       | 25        | 70 - 130 |
| Methylene Chloride                | 10.0                     | 12.5                            | 125                 | 2.35       | 25        | 70 - 130 |
| 4-Methyl-2-pentanone (MIBK)       | 100                      | 97.9                            | 97.9                | 1.33       | 25        | 70 - 160 |
| Naphthalene                       | 10.0                     | 13.7                            | 137                 | *          | 25        | 40 - 130 |
| n-Propylbenzene                   | 10.0                     | 11.3                            | 113                 | 1.33       | 25        | 70 - 130 |
| Styrene                           | 10.0                     | 10.3                            | 103                 | 0.679      | 25        | 70 - 130 |
| 1,1,1,2-Tetrachloroethane         | 10.0                     | 9.64                            | 96.4                | 1.15       | 25        | 70 - 130 |
| 1,1,2,2-Tetrachloroethane         | 10.0                     | 11.1                            | 111                 | 2.37       | 25        | 70 - 130 |
| Tetrachloroethylene               | 10.0                     | 9.34                            | 93.4                | 2.22       | 25        | 70 - 130 |
| Tetrahydrofuran                   | 10.0                     | 10.4                            | 104                 | 5.86       | 25        | 70 - 130 |
| Toluene                           | 10.0                     | 9.62                            | 96.2                | 0.311      | 25        | 70 - 130 |
| 1,2,3-Trichlorobenzene            | 10.0                     | 14.2                            | 142                 | *          | 25        | 70 - 130 |
| 1,2,4-Trichlorobenzene            | 10.0                     | 11.6                            | 116                 | 1.13       | 25        | 70 - 130 |
| 1,3,5-Trichlorobenzene            | 10.0                     | 10.4                            | 104                 | 0.00       | 25        | 70 - 130 |
| 1,1,1-Trichloroethane             | 10.0                     | 8.90                            | 89.0                | 1.23       | 25        | 70 - 130 |
| 1,1,2-Trichloroethane             | 10.0                     | 9.68                            | 96.8                | 0.414      | 25        | 70 - 130 |
| Trichloroethylene                 | 10.0                     | 8.88                            | 88.8                | 0.785      | 25        | 70 - 130 |
| Trichlorofluoromethane (Freon 11) | 10.0                     | 8.05                            | 80.5                | 1.12       | 25        | 70 - 130 |
| 1,2,3-Trichloropropane            | 10.0                     | 10.9                            | 109                 | 1.39       | 25        | 70 - 130 |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 5030B

Batch: B079321

Laboratory ID: B079321-BSD1

Column: Initial/Final: 5 mL / 5 mL

| ANALYTE                                           | SPIKE<br>ADDED<br>(µg/L) | LCSD<br>CONCENTRATION<br>(µg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS |          |
|---------------------------------------------------|--------------------------|---------------------------------|---------------------|------------|-----------|----------|
|                                                   |                          |                                 |                     |            | RPD       | REC.     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.0                     | 9.77                            | 97.7                | 0.410      | 25        | 70 - 130 |
| 1,2,4-Trimethylbenzene                            | 10.0                     | 9.76                            | 97.6                | 0.103      | 25        | 70 - 130 |
| 1,3,5-Trimethylbenzene                            | 10.0                     | 9.84                            | 98.4                | 2.05       | 25        | 70 - 130 |
| Vinyl Chloride                                    | 10.0                     | 7.23                            | 72.3                | 2.32       | 25        | 40 - 160 |
| m+p Xylene                                        | 20.0                     | 20.3                            | 102                 | 2.79       | 25        | 70 - 130 |
| o-Xylene                                          | 10.0                     | 10.4                            | 104                 | 1.63       | 25        | 70 - 130 |

## 4 - FORM IV METHOD BLANK SUMMARY

SW-846 8260C

|             |                                |             |             |           |                  |
|-------------|--------------------------------|-------------|-------------|-----------|------------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order: | 13H0569     |           |                  |
| Client:     | CDM Smith, Inc. - NY           | Project:    | Buffalo, NY |           |                  |
| Blank ID:   | B079226-BLK1                   | Batch:      | B079226     | Prepared: | 08/21/2013 06:39 |

| Client Sample ID | Laboratory Sample ID | Lab File ID | Time Analyzed |
|------------------|----------------------|-------------|---------------|
| FD-01_08-14-13   | 13H0569-05           | ve233016.D  | 14:07         |
| TB-03_08-14-13   | 13H0569-04           | ve233012.D  | 12:14         |
| FB-02_08-14-13   | 13H0569-03           | ve233011.D  | 11:48         |
| MW-04_08-14-13   | 13H0569-01           | ve233014.D  | 13:07         |
| LCS Dup          | B079226-BSD1         | ve233007.D  | 10:02         |
| LCS              | B079226-BS1          | ve233006.D  | 09:36         |

## 4 - FORM IV METHOD BLANK SUMMARY

SW-846 8260C

|             |                                |             |             |           |                  |
|-------------|--------------------------------|-------------|-------------|-----------|------------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order: | 13H0569     |           |                  |
| Client:     | CDM Smith, Inc. - NY           | Project:    | Buffalo, NY |           |                  |
| Blank ID:   | B079321-BLK1                   | Batch:      | B079321     | Prepared: | 08/22/2013 08:49 |

| Client Sample ID | Laboratory Sample ID | Lab File ID | Time Analyzed |
|------------------|----------------------|-------------|---------------|
| Matrix Spike Dup | B079321-MSD1         | ve234022.D  | 18:35         |
| Matrix Spike     | B079321-MS1          | ve234021.D  | 18:08         |
| LCS Dup          | B079321-BSD1         | ve234005.D  | 10:48         |
| LCS              | B079321-BS1          | ve234004.D  | 10:22         |
| MW-06_08-14-13   | 13H0569-02           | ve234010.D  | 13:15         |

## 5 - FORM V INSTRUMENT PERFORMANCE CHECK

SW-846 8260C

|                                            |                             |
|--------------------------------------------|-----------------------------|
| Laboratory: Con-Test Analytical Laboratory | Work Order: 13H0569         |
| Client: CDM Smith, Inc. - NY               | Project: Buffalo, NY        |
| Lab File ID: ve233003.D                    | Injection Date: 08/21/13    |
| Instrument ID: GCMSVOA5                    | Injection Time: 08:17       |
| Sequence: S004570                          | Lab Sample ID: S004570-TUN1 |

| m/z | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE | PASS/FAIL |
|-----|------------------------------------|----------------------|-----------|
| 50  | 15 - 40% of 95                     | 16                   | PASS      |
| 75  | 30 - 60% of 95                     | 42.4                 | PASS      |
| 95  | Base peak, 100% relative abundance | 100                  | PASS      |
| 96  | 5 - 9% of 95                       | 6.43                 | PASS      |
| 173 | Less than 2% of 174                | 0                    | PASS      |
| 174 | 50 - 200% of 95                    | 93.9                 | PASS      |
| 175 | 5 - 9% of 174                      | 7.83                 | PASS      |
| 176 | 95 - 101% of 174                   | 97.9                 | PASS      |
| 177 | 5 - 9% of 176                      | 6.85                 | PASS      |

| Client ID         | Sample ID    | File ID    | Date Analyzed | Time Analyzed |
|-------------------|--------------|------------|---------------|---------------|
| Calibration Check | S004570-CCV1 | ve233004.D | 08/21/2013    | 8:43:00       |
| LCS               | B079226-BS1  | ve233006.D | 08/21/2013    | 9:36:00       |
| LCS Dup           | B079226-BSD1 | ve233007.D | 08/21/2013    | 10:02:00      |
| Blank             | B079226-BLK1 | ve233010.D | 08/21/2013    | 11:22:00      |
| FB-02_08-14-13    | 13H0569-03   | ve233011.D | 08/21/2013    | 11:48:00      |
| TB-03_08-14-13    | 13H0569-04   | ve233012.D | 08/21/2013    | 12:14:00      |
| MW-04_08-14-13    | 13H0569-01   | ve233014.D | 08/21/2013    | 13:07:00      |
| FD-01_08-14-13    | 13H0569-05   | ve233016.D | 08/21/2013    | 14:07:00      |

## 5 - FORM V INSTRUMENT PERFORMANCE CHECK

SW-846 8260C

|                |                                |                 |              |
|----------------|--------------------------------|-----------------|--------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:     | 13H0569      |
| Client:        | CDM Smith, Inc. - NY           | Project:        | Buffalo, NY  |
| Lab File ID:   | ve234002.D                     | Injection Date: | 08/22/13     |
| Instrument ID: | GCMSVOA5                       | Injection Time: | 09:29        |
| Sequence:      | S004572                        | Lab Sample ID:  | S004572-TUN1 |

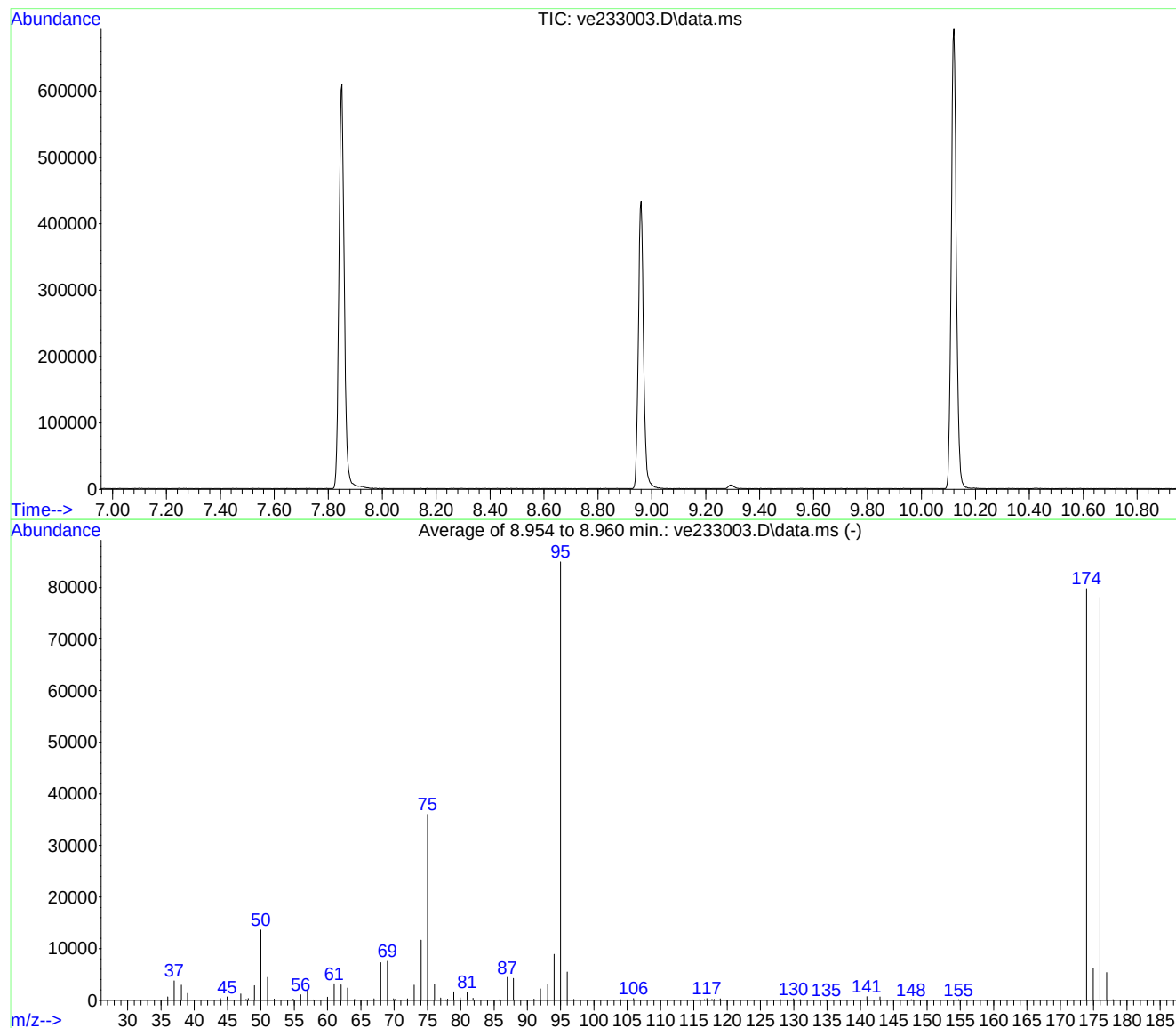
| m/z | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE | PASS/FAIL |
|-----|------------------------------------|----------------------|-----------|
| 50  | 15 - 40% of 95                     | 18.9                 | PASS      |
| 75  | 30 - 60% of 95                     | 45.1                 | PASS      |
| 95  | Base peak, 100% relative abundance | 100                  | PASS      |
| 96  | 5 - 9% of 95                       | 6.51                 | PASS      |
| 173 | Less than 2% of 174                | 0                    | PASS      |
| 174 | 50 - 200% of 95                    | 97.7                 | PASS      |
| 175 | 5 - 9% of 174                      | 7.51                 | PASS      |
| 176 | 95 - 101% of 174                   | 98.9                 | PASS      |
| 177 | 5 - 9% of 176                      | 6.4                  | PASS      |

| Client ID        | Sample ID    | File ID    | Date Analyzed | Time Analyzed |
|------------------|--------------|------------|---------------|---------------|
|                  | S004572-CCV1 | ve234002.D | 08/22/2013    | 9:29:00       |
| LCS              | B079321-BS1  | ve234004.D | 08/22/2013    | 10:22:00      |
| LCS Dup          | B079321-BSD1 | ve234005.D | 08/22/2013    | 10:48:00      |
| Blank            | B079321-BLK1 | ve234008.D | 08/22/2013    | 12:07:00      |
| MW-06_08-14-13   | 13H0569-02   | ve234010.D | 08/22/2013    | 13:15:00      |
| Matrix Spike     | B079321-MS1  | ve234021.D | 08/22/2013    | 18:08:00      |
| Matrix Spike Dup | B079321-MSD1 | ve234022.D | 08/22/2013    | 18:35:00      |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233003.D  
 Acq On : 21 Aug 2013 8:17 am  
 Operator :  
 Sample : BFB  
 Misc : 1  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: 8260B.P

Method : C:\msdchem\1\METHODS\E051713W.m  
 Title : 8260 WATER 5MLS VOAMS 5973 #5  
 Last Update : Thu Jun 27 09:35:33 2013



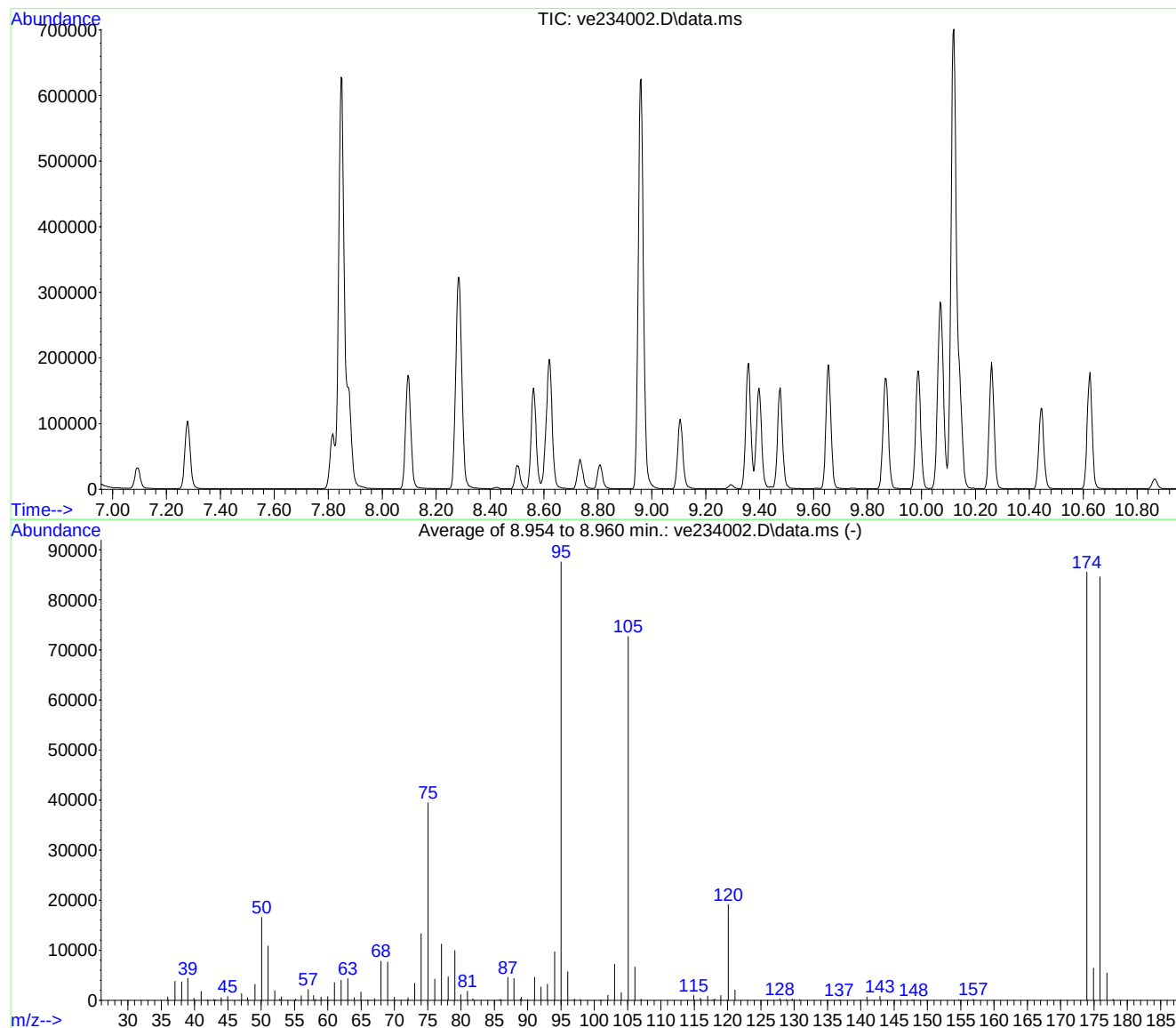
AutoFind: Scans 2893, 2894, 2895; Background Corrected with Scan 2882

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 16.0      | 13622   | PASS             |
| 75          | 95           | 30           | 60           | 42.4      | 36045   | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 84947   | PASS             |
| 96          | 95           | 5            | 9            | 6.4       | 5465    | PASS             |
| 173         | 174          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 174         | 95           | 50           | 100          | 93.9      | 79752   | PASS             |
| 175         | 174          | 5            | 9            | 7.8       | 6244    | PASS             |
| 176         | 174          | 95           | 101          | 97.9      | 78104   | PASS             |
| 177         | 176          | 5            | 9            | 6.9       | 5353    | PASS             |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234002.D  
 Acq On : 22 Aug 2013 9:29 am  
 Operator :  
 Sample : bfb/8260std 10ppb 1307209  
 Misc : 1  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: 8260B.P

Method : C:\msdchem\1\METHODS\E051713W.m  
 Title : 8260 WATER 5MLS VOAMS 5973 #5  
 Last Update : Thu Jun 27 09:35:33 2013



AutoFind: Scans 2893, 2894, 2895; Background Corrected with Scan 2882

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 18.9      | 16576   | PASS             |
| 75          | 95           | 30           | 60           | 45.1      | 39475   | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 87581   | PASS             |
| 96          | 95           | 5            | 9            | 6.5       | 5702    | PASS             |
| 173         | 174          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 174         | 95           | 50           | 100          | 97.7      | 85544   | PASS             |
| 175         | 174          | 5            | 9            | 7.5       | 6422    | PASS             |
| 176         | 174          | 95           | 101          | 98.9      | 84603   | PASS             |
| 177         | 176          | 5            | 9            | 6.4       | 5416    | PASS             |



# VOLATILES CALIBRATION DATA

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                      | Level 01 |           | Level 02 |              | Level 03 |              | Level 04 |              | Level 05 |              | Level 06 |              |
|-------------------------------|----------|-----------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|
|                               |          | RF        |          | RF           |          | RF           |          | RF           |          | RF           |          | RF           |
| Acetone                       |          |           |          |              | 10       | 7.962013E-02 | 20       | 7.374362E-02 | 50       | 7.767363E-02 | 100      | 7.414214E-02 |
| Acrolein                      |          |           | 5        | 3.958688E-02 | 10       | 4.179146E-02 | 20       | 4.069179E-02 | 50       | 0.0488805    | 100      | 4.685158E-02 |
| Acrylonitrile                 |          |           | 0.5      | 5.992804E-02 | 1        | 9.073582E-02 | 2        | 7.071605E-02 | 5        | 8.993327E-02 | 10       | 8.978526E-02 |
| tert-Amyl Methyl Ether (TAME) | 0.4      | 0.4374829 | 0.5      | 0.4847942    | 1        | 0.5308377    | 2        | 0.5382399    | 5        | 0.5514532    | 10       | 0.557808     |
| Benzene                       | 0.4      | 0.9898117 | 0.5      | 1.081712     | 1        | 1.125036     | 2        | 1.095498     | 5        | 1.133287     | 10       | 1.078858     |
| Bromobenzene                  | 0.4      | 0.6630092 | 0.5      | 0.6437684    | 1        | 0.6809525    | 2        | 0.7113402    | 5        | 0.6858043    | 10       | 0.709523     |
| Bromochloromethane            | 0.4      | 0.2083252 | 0.5      | 0.175703     | 1        | 0.222645     | 2        | 0.2340625    | 5        | 0.214593     | 10       | 0.2168213    |
| Bromodichloromethane          | 0.4      | 0.2106925 | 0.5      | 0.2388116    | 1        | 0.245498     | 2        | 0.26595      | 5        | 0.2738572    | 10       | 0.2647903    |
| Bromoform                     |          |           |          |              | 1        | 0.2596173    | 2        | 0.2544364    | 5        | 0.3138716    | 10       | 0.3125819    |
| Bromomethane                  |          |           |          |              |          |              | 2        | 0.2673985    | 5        | 0.2240539    | 10       | 0.194164     |
| 2-Butanone (MEK)              |          |           |          |              | 10       | 8.086747E-02 | 20       | 7.428464E-02 | 50       | 9.499517E-02 | 100      | 0.1004905    |
| tert-Butyl Alcohol (TBA)      |          |           | 5        | 1.174933E-02 | 10       | 1.388633E-02 | 20       | 1.572257E-02 | 50       | 1.925542E-02 | 100      | 1.701154E-02 |
| n-Butylbenzene                | 0.4      | 1.180328  | 0.5      | 1.209373     | 1        | 1.380674     | 2        | 1.374785     | 5        | 1.445782     | 10       | 1.49503      |
| sec-Butylbenzene              | 0.4      | 1.742686  | 0.5      | 1.81084      | 1        | 1.895461     | 2        | 1.947578     | 5        | 1.860821     | 10       | 1.938881     |
| tert-Butylbenzene             | 0.4      | 1.219035  | 0.5      | 1.259184     | 1        | 1.376719     | 2        | 1.290473     | 5        | 1.325863     | 10       | 1.370206     |
| tert-Butyl Ethyl Ether (TBEE) | 0.4      | 0.5234838 | 0.5      | 0.5084218    | 1        | 0.5611933    | 2        | 0.6438221    | 5        | 0.6175037    | 10       | 0.6293295    |
| Carbon Disulfide              | 4        | 0.8182105 | 5        | 0.832785     | 10       | 0.8656771    | 20       | 0.9354028    | 50       | 0.9050882    | 100      | 0.8852575    |
| Carbon Tetrachloride          | 0.4      | 0.3506807 | 0.5      | 0.3569907    | 1        | 0.383254     | 2        | 0.3788282    | 5        | 0.3863596    | 10       | 0.386849     |
| Chlorobenzene                 | 0.4      | 1.000445  | 0.5      | 1.03309      | 1        | 1.060689     | 2        | 1.154639     | 5        | 1.12981      | 10       | 1.143079     |
| Chlorodibromomethane          | 0.4      | 0.1666909 | 0.5      | 0.1513952    | 1        | 0.1858278    | 2        | 0.1867267    | 5        | 0.2067012    | 10       | 0.2068676    |
| Chloroethane                  | 0.4      | 0.1703993 | 0.5      | 0.1782806    | 1        | 0.1853351    | 2        | 0.1768994    | 5        | 0.1638423    | 10       | 0.1629063    |
| 2-Chloroethyl Vinyl Ether     |          |           | 5        | 8.206379E-02 | 10       | 9.685983E-02 | 20       | 9.410058E-02 | 50       | 0.1108257    | 100      | 0.1187764    |
| Chloroform                    | 0.4      | 0.4417562 | 0.5      | 0.4347468    | 1        | 0.4569906    | 2        | 0.4974716    | 5        | 0.4830538    | 10       | 0.4708056    |
| Chloromethane                 | 0.4      | 0.3458732 | 0.5      | 0.3389479    | 1        | 0.3244192    | 2        | 0.4460467    | 5        | 0.3161823    | 10       | 0.3248704    |
| 2-Chlorotoluene               | 0.4      | 1.055366  | 0.5      | 1.183267     | 1        | 1.061691     | 2        | 1.244719     | 5        | 1.196286     | 10       | 1.284714     |
| 4-Chlorotoluene               | 0.4      | 1.15027   | 0.5      | 1.164762     | 1        | 1.272025     | 2        | 1.296688     | 5        | 1.18938      | 10       | 1.275955     |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                           | Level 01 |              | Level 02 |           | Level 03 |              | Level 04 |              | Level 05 |              | Level 06 |              |
|------------------------------------|----------|--------------|----------|-----------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|
|                                    |          | RF           |          | RF        |          | RF           |          | RF           |          | RF           |          | RF           |
| Cyclohexane                        | 0.4      | 0.4404208    | 0.5      | 0.4143412 | 1        | 0.4777429    | 2        | 0.4570312    | 5        | 0.4551102    | 10       | 0.448247     |
| 1,2-Dibromo-3-chloropropane (DBCP) |          |              |          |           | 1        | 4.298487E-02 | 2        | 4.244436E-02 | 5        | 5.484325E-02 | 10       | 5.475519E-02 |
| 1,2-Dibromoethane (EDB)            | 0.4      | 0.1318067    | 0.5      | 0.1293827 | 1        | 0.1685042    | 2        | 0.1702267    | 5        | 0.1863901    | 10       | 0.1813356    |
| Dibromomethane                     | 0.4      | 7.670556E-02 | 0.5      | 0.1037279 | 1        | 0.1157313    | 2        | 0.1142126    | 5        | 0.1223614    | 10       | 0.1207453    |
| 1,2-Dichlorobenzene                | 0.4      | 0.6887101    | 0.5      | 0.7190499 | 1        | 0.738652     | 2        | 0.754026     | 5        | 0.7852986    | 10       | 0.7741118    |
| 1,3-Dichlorobenzene                | 0.4      | 0.7612294    | 0.5      | 0.7786883 | 1        | 0.8172283    | 2        | 0.8551507    | 5        | 0.8384195    | 10       | 0.8499731    |
| 1,4-Dichlorobenzene                | 0.4      | 0.8987044    | 0.5      | 0.9016926 | 1        | 0.9164374    | 2        | 0.9271001    | 5        | 0.9546913    | 10       | 0.9340285    |
| cis-1,4-Dichloro-2-butene          |          |              |          |           | 1        | 0.1162765    | 2        | 9.388203E-02 | 5        | 0.1186028    | 10       | 0.1195528    |
| trans-1,4-Dichloro-2-butene        |          |              |          |           | 1        | 9.205221E-02 | 2        | 8.720635E-02 | 5        | 9.768471E-02 | 10       | 0.1125843    |
| Dichlorodifluoromethane (Freon 22) | 0.4      | 0.303674     | 0.5      | 0.320905  | 1        | 0.3265165    | 2        | 0.3639636    | 5        | 0.35036      | 10       | 0.3507268    |
| 1,1-Dichloroethane                 | 0.4      | 0.4465637    | 0.5      | 0.4368948 | 1        | 0.4797298    | 2        | 0.5059422    | 5        | 0.4714856    | 10       | 0.4876671    |
| 1,2-Dichloroethane                 |          |              | 0.5      | 0.3653438 | 1        | 0.2991531    | 2        | 0.2675493    | 5        | 0.2574392    | 10       | 0.2421515    |
| 1,1-Dichloroethylene               | 0.4      | 0.4030291    | 0.5      | 0.3849142 | 1        | 0.4429718    | 2        | 0.4387783    | 5        | 0.4322372    | 10       | 0.4118837    |
| cis-1,2-Dichloroethylene           | 0.4      | 0.3875382    | 0.5      | 0.351406  | 1        | 0.3829228    | 2        | 0.424187     | 5        | 0.4127448    | 10       | 0.3827734    |
| trans-1,2-Dichloroethylene         | 0.4      | 0.3319849    | 0.5      | 0.311454  | 1        | 0.3700079    | 2        | 0.4016169    | 5        | 0.3596453    | 10       | 0.3752027    |
| Dichlorofluoromethane (Freon 21)   | 0.4      | 0.447365     | 0.5      | 0.466107  | 1        | 0.4994886    | 2        | 0.5217358    | 5        | 0.5117657    | 10       | 0.5084727    |
| 1,2-Dichloropropane                | 0.4      | 0.1871061    | 0.5      | 0.2114148 | 1        | 0.2218384    | 2        | 0.2020565    | 5        | 0.2003989    | 10       | 0.2051349    |
| 1,3-Dichloropropane                | 0.4      | 0.2303149    | 0.5      | 0.2234504 | 1        | 0.2833533    | 2        | 0.2652869    | 5        | 0.2716394    | 10       | 0.280506     |
| 2,2-Dichloropropane                | 0.4      | 0.3632336    | 0.5      | 0.361931  | 1        | 0.3792801    | 2        | 0.4067539    | 5        | 0.3790719    | 10       | 0.37987      |
| 1,1-Dichloropropene                | 0.4      | 0.3733828    | 0.5      | 0.3453917 | 1        | 0.4143823    | 2        | 0.4180663    | 5        | 0.3966327    | 10       | 0.3921408    |
| cis-1,3-Dichloropropene            | 0.4      | 0.2437929    | 0.5      | 0.2495803 | 1        | 0.3009977    | 2        | 0.2960634    | 5        | 0.307842     | 10       | 0.3189895    |
| trans-1,3-Dichloropropene          | 0.4      | 0.1980074    | 0.5      | 0.2034967 | 1        | 0.2326657    | 2        | 0.2294394    | 5        | 0.2463183    | 10       | 0.2574804    |
| Diethyl Ether                      | 0.4      | 0.1658589    | 0.5      | 0.1877316 | 1        | 0.1609402    | 2        | 0.18537      | 5        | 0.1894372    | 10       | 0.1833613    |
| Diisopropyl Ether (DIPE)           | 0.4      | 0.6754543    | 0.5      | 0.6104498 | 1        | 0.6575587    | 2        | 0.737764     | 5        | 0.7214637    | 10       | 0.6753451    |
| 1,4-Dioxane                        |          |              |          |           |          |              |          |              | 50       | 1.356203E-03 | 100      | 1.666676E-03 |
| Ethyl Acetate                      |          |              |          |           |          |              |          |              | 5        | 0.1441303    | 10       | 0.1705646    |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                       | Level 01 |           | Level 02 |              | Level 03 |              | Level 04 |              | Level 05 |              | Level 06 |              |
|--------------------------------|----------|-----------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|
|                                |          | RF        |          | RF           |          | RF           |          | RF           |          | RF           |          | RF           |
| Ethylbenzene                   | 0.4      | 1.888851  | 0.5      | 1.946252     | 1        | 1.984051     | 2        | 2.039378     | 5        | 2.0138       | 10       | 2.093182     |
| Ethyl Methacrylate             |          |           | 0.5      | 0.1414183    | 1        | 0.1945698    | 2        | 0.1881309    | 5        | 0.220359     | 10       | 0.2136939    |
| Hexachlorobutadiene            | 0.4      | 0.2171128 | 0.5      | 0.2409258    | 1        | 0.2427785    | 2        | 0.2563145    | 5        | 0.2780661    | 10       | 0.2745315    |
| 2-Hexanone (MBK)               |          |           | 5        | 8.785988E-02 | 10       | 0.1003246    | 20       | 0.0914364    | 50       | 0.1200287    | 100      | 0.1213522    |
| Iodomethane                    | 4        | 0.1951847 | 5        | 0.2069558    | 10       | 0.2320718    | 20       | 0.2573376    | 50       | 0.2876548    | 100      | 0.3218815    |
| Isopropylbenzene (Cumene)      | 0.4      | 1.855898  | 0.5      | 1.865469     | 1        | 1.881307     | 2        | 1.922342     | 5        | 1.881017     | 10       | 2.003908     |
| p-Isopropyltoluene (p-Cymene)  | 0.4      | 1.381869  | 0.5      | 1.464192     | 1        | 1.516334     | 2        | 1.487201     | 5        | 1.526999     | 10       | 1.617889     |
| Methyl Acetate                 |          |           |          |              | 1        | 0.2271707    | 2        | 0.2049891    | 5        | 0.2415928    | 10       | 0.2352494    |
| Methyl tert-Butyl Ether (MTBE) | 0.4      | 0.428402  | 0.5      | 0.4463458    | 1        | 0.4842555    | 2        | 0.5381306    | 5        | 0.5602775    | 10       | 0.5753926    |
| Methyl Cyclohexane             |          |           | 0.5      | 0.2850537    | 1        | 0.3316348    | 2        | 0.3122123    | 5        | 0.3297168    | 10       | 0.3250098    |
| Methylene Chloride             |          |           |          |              |          |              |          |              | 5        | 0.3825621    | 10       | 0.3692097    |
| 4-Methyl-2-pentanone (MIBK)    |          |           | 5        | 0.1217654    | 10       | 0.1515896    | 20       | 0.1446381    | 50       | 0.1704539    | 100      | 0.173871     |
| Naphthalene                    |          |           |          |              | 1        | 0.6274072    | 2        | 0.5497162    | 5        | 0.7958012    | 10       | 0.7807945    |
| n-Propylbenzene                | 0.4      | 1.874352  | 0.5      | 1.845185     | 1        | 2.056557     | 2        | 2.060673     | 5        | 2.127743     | 10       | 2.251738     |
| Styrene                        | 0.4      | 0.9362972 | 0.5      | 1.029531     | 1        | 1.037634     | 2        | 1.158864     | 5        | 1.189916     | 10       | 1.239392     |
| 1,1,1,2-Tetrachloroethane      | 0.4      | 0.3818124 | 0.5      | 0.3729515    | 1        | 0.4191633    | 2        | 0.4013013    | 5        | 0.3968399    | 10       | 0.4139674    |
| 1,1,2,2-Tetrachloroethane      | 0.4      | 0.3299668 | 0.5      | 0.3911009    | 1        | 0.4124808    | 2        | 0.4018083    | 5        | 0.4784673    | 10       | 0.4611847    |
| Tetrachloroethylene            | 0.4      | 0.1960253 | 0.5      | 0.2533811    | 1        | 0.2569669    | 2        | 0.2543259    | 5        | 0.2629278    | 10       | 0.26014      |
| Tetrahydrofuran                |          |           |          |              | 1        | 5.121827E-02 | 2        | 5.530498E-02 | 5        | 5.742383E-02 | 10       | 5.692791E-02 |
| Toluene                        | 0.4      | 0.782912  | 0.5      | 0.775346     | 1        | 0.8401148    | 2        | 0.8620945    | 5        | 0.8377822    | 10       | 0.8633912    |
| 1,2,3-Trichlorobenzene         |          |           | 0.5      | 0.2277104    | 1        | 0.235729     | 2        | 0.2325786    | 5        | 0.3041031    | 10       | 0.3021526    |
| 1,2,4-Trichlorobenzene         |          |           | 0.5      | 0.3317388    | 1        | 0.3792985    | 2        | 0.3611479    | 5        | 0.4527945    | 10       | 0.4303513    |
| 1,3,5-Trichlorobenzene         | 0.4      | 0.4524665 | 0.5      | 0.4618591    | 1        | 0.494326     | 2        | 0.500761     | 5        | 0.5421512    | 10       | 0.5369904    |
| 1,1,1-Trichloroethane          | 0.4      | 0.4233274 | 0.5      | 0.3825514    | 1        | 0.3950651    | 2        | 0.4265369    | 5        | 0.4162569    | 10       | 0.4289533    |
| 1,1,2-Trichloroethane          | 0.4      | 0.1351762 | 0.5      | 0.1376176    | 1        | 0.1615266    | 2        | 0.1585246    | 5        | 0.1737854    | 10       | 0.1744045    |
| Trichloroethylene              | 0.4      | 0.2027643 | 0.5      | 0.2039717    | 1        | 0.2234425    | 2        | 0.2258117    | 5        | 0.2195931    | 10       | 0.2249045    |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                           | Level 01 |           | Level 02 |           | Level 03 |           | Level 04 |           | Level 05 |           | Level 06 |           |
|------------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
|                                    |          | RF        |          | RF        |          | RF        |          | RF        |          | RF        |          | RF        |
| Trichlorofluoromethane (Freon      | 0.4      | 0.3712461 | 0.5      | 0.4042458 | 1        | 0.4133889 | 2        | 0.4176291 | 5        | 0.4255641 | 10       | 0.4296107 |
| 1,2,3-Trichloropropane             | 0.4      | 0.2240786 | 0.5      | 0.31708   | 1        | 0.331956  | 2        | 0.3124049 | 5        | 0.3461203 | 10       | 0.3511983 |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | 0.4      | 0.246251  | 0.5      | 0.2201658 | 1        | 0.2432868 | 2        | 0.2614417 | 5        | 0.2579243 | 10       | 0.2544226 |
| 1,2,4-Trimethylbenzene             | 0.4      | 1.326701  | 0.5      | 1.46182   | 1        | 1.466128  | 2        | 1.536898  | 5        | 1.565329  | 10       | 1.551716  |
| 1,3,5-Trimethylbenzene             | 0.4      | 1.479358  | 0.5      | 1.456575  | 1        | 1.523623  | 2        | 1.602417  | 5        | 1.61629   | 10       | 1.692064  |
| Vinyl Acetate                      |          |           |          |           | 10       | 0.4011141 | 20       | 0.4596762 | 50       | 0.5255488 | 100      | 0.5079446 |
| Vinyl Chloride                     | 0.4      | 0.3440036 | 0.5      | 0.318757  | 1        | 0.32464   | 2        | 0.3418307 | 5        | 0.3088287 | 10       | 0.3205975 |
| m+p Xylene                         | 0.8      | 1.341836  | 1        | 1.375259  | 2        | 1.525878  | 4        | 1.554631  | 10       | 1.561933  | 20       | 1.575223  |
| o-Xylene                           | 0.4      | 1.38753   | 0.5      | 1.44839   | 1        | 1.359733  | 2        | 1.50338   | 5        | 1.467651  | 10       | 1.497595  |
| 1,2-Dichloroethane-d4              | 25       | 0.457559  | 25       | 0.4432055 | 25       | 0.4588672 | 25       | 0.4751681 | 25       | 0.4677847 | 25       | 0.4483895 |
| Toluene-d8                         | 25       | 1.127403  | 25       | 1.106477  | 25       | 1.174204  | 25       | 1.156718  | 25       | 1.157032  | 25       | 1.156186  |
| 4-Bromofluorobenzene               | 25       | 0.9043638 | 25       | 0.9133469 | 25       | 0.8672956 | 25       | 0.9122393 | 25       | 0.8813682 | 25       | 0.9151587 |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                      | Level 07 |              | Level 08 |              | Level 09 |              | Level 10 |              | Level 11 |    | Level 12 |    |
|-------------------------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|----|----------|----|
|                               |          | RF           |          | RF           |          | RF           |          | RF           |          | RF |          | RF |
| Acetone                       | 200      | 0.0676601    | 500      | 7.136261E-02 | 1000     | 6.138825E-02 | 2000     | 6.520693E-02 |          |    |          |    |
| Acrolein                      | 200      | 4.388407E-02 | 500      | 0.0484567    | 1000     | 4.418628E-02 | 2000     | 4.761054E-02 |          |    |          |    |
| Acrylonitrile                 | 20       | 0.0812037    | 50       | 8.526191E-02 | 100      | 7.471062E-02 | 200      | 8.561765E-02 |          |    |          |    |
| tert-Amyl Methyl Ether (TAME) | 20       | 0.5957258    | 50       | 0.6473414    | 100      | 0.5761483    | 200      | 0.6634062    |          |    |          |    |
| Benzene                       | 20       | 1.167742     | 50       | 1.185393     | 100      | 1.170382     | 200      | 1.178134     |          |    |          |    |
| Bromobenzene                  | 20       | 0.7436459    | 50       | 0.7330679    | 100      | 0.715234     | 200      | 0.7175796    |          |    |          |    |
| Bromochloromethane            | 20       | 0.2262203    | 50       | 0.2392004    | 100      | 0.2064517    | 200      | 0.190823     |          |    |          |    |
| Bromodichloromethane          | 20       | 0.2971452    | 50       | 0.2851412    | 100      | 0.2841173    | 200      | 0.280875     |          |    |          |    |
| Bromoform                     | 20       | 0.3275962    | 50       | 0.3395181    | 100      | 0.3358052    | 200      | 0.3639565    |          |    |          |    |
| Bromomethane                  | 20       | 0.1755674    | 50       | 0.2001551    | 100      | 0.1963278    | 200      | 0.220379     |          |    |          |    |
| 2-Butanone (MEK)              | 200      | 9.894749E-02 | 500      | 0.1117132    | 1000     | 8.981045E-02 | 2000     | 0.1110624    |          |    |          |    |
| tert-Butyl Alcohol (TBA)      | 200      | 1.545693E-02 | 500      | 0.016567     | 1000     | 1.380875E-02 | 2000     | 0.0179447    |          |    |          |    |
| n-Butylbenzene                | 20       | 1.626042     | 50       | 1.70255      | 100      | 1.658324     | 200      | 1.661129     |          |    |          |    |
| sec-Butylbenzene              | 20       | 2.116755     | 50       | 2.178866     | 100      | 2.097301     | 200      | 2.082322     |          |    |          |    |
| tert-Butylbenzene             | 20       | 1.430905     | 50       | 1.477755     | 100      | 1.408339     | 200      | 1.383966     |          |    |          |    |
| tert-Butyl Ethyl Ether (TBEE) | 20       | 0.6445025    | 50       | 0.7153788    | 100      | 0.6528456    | 200      | 0.7187539    |          |    |          |    |
| Carbon Disulfide              | 200      | 0.9206803    | 500      | 0.9793661    | 1000     | 0.9161697    |          |              |          |    |          |    |
| Carbon Tetrachloride          | 20       | 0.4137063    | 50       | 0.4357146    | 100      | 0.4305101    | 200      | 0.4264585    |          |    |          |    |
| Chlorobenzene                 | 20       | 1.209957     | 50       | 1.187341     | 100      | 1.178351     | 200      | 1.17954      |          |    |          |    |
| Chlorodibromomethane          | 20       | 0.2255034    | 50       | 0.2239535    | 100      | 0.2187803    | 200      | 0.2265815    |          |    |          |    |
| Chloroethane                  | 20       | 0.154341     | 50       | 0.1716848    | 100      | 0.1488681    | 200      | 0.1504797    |          |    |          |    |
| 2-Chloroethyl Vinyl Ether     | 200      | 0.1119854    | 500      | 0.1210906    | 1000     | 0.1169615    | 2000     | 0.1259728    |          |    |          |    |
| Chloroform                    | 20       | 0.5103859    | 50       | 0.5486744    | 100      | 0.492518     | 200      | 0.5137802    |          |    |          |    |
| Chloromethane                 | 20       | 0.2856409    | 50       | 0.3385812    | 100      | 0.3279053    | 200      | 0.3617117    |          |    |          |    |
| 2-Chlorotoluene               | 20       | 1.235381     | 50       | 1.319157     | 100      | 1.311284     | 200      | 1.292781     |          |    |          |    |
| 4-Chlorotoluene               | 20       | 1.320995     | 50       | 1.356585     | 100      | 1.335036     | 200      | 1.355681     |          |    |          |    |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                           | Level 07 |              | Level 08 |              | Level 09 |              | Level 10 |              | Level 11 |    | Level 12 |    |
|------------------------------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|----|----------|----|
|                                    |          | RF           |          | RF           |          | RF           |          | RF           |          | RF |          | RF |
| Cyclohexane                        | 20       | 0.4848841    | 50       | 0.5128657    | 100      | 0.493454     | 200      | 0.4682314    |          |    |          |    |
| 1,2-Dibromo-3-chloropropane (DBCP) | 20       | 5.017583E-02 | 50       | 5.603388E-02 | 100      | 5.043579E-02 | 200      | 6.216037E-02 |          |    |          |    |
| 1,2-Dibromoethane (EDB)            | 20       | 0.1948663    | 50       | 0.1860312    | 100      | 0.1774719    | 200      | 0.1879653    |          |    |          |    |
| Dibromomethane                     | 20       | 0.1247588    | 50       | 0.1253212    | 100      | 0.1245451    | 200      | 0.1267111    |          |    |          |    |
| 1,2-Dichlorobenzene                | 20       | 0.8211515    | 50       | 0.8480078    | 100      | 0.8146127    | 200      | 0.8378947    |          |    |          |    |
| 1,3-Dichlorobenzene                | 20       | 0.9068411    | 50       | 0.9445339    | 100      | 0.90074      | 200      | 0.8999741    |          |    |          |    |
| 1,4-Dichlorobenzene                | 20       | 0.9832719    | 50       | 1.001855     | 100      | 0.9731445    | 200      | 0.9678891    |          |    |          |    |
| cis-1,4-Dichloro-2-butene          | 20       | 0.1143815    | 50       | 0.1213949    | 100      | 0.1154321    | 200      | 0.1350132    |          |    |          |    |
| trans-1,4-Dichloro-2-butene        | 20       | 0.1031915    | 50       | 0.1148265    | 100      | 0.1132511    | 200      | 0.1282508    |          |    |          |    |
| Dichlorodifluoromethane (Freon 22) | 20       | 0.3561562    | 50       | 0.3395795    | 100      | 0.3131825    | 200      | 0.2915379    |          |    |          |    |
| 1,1-Dichloroethane                 | 20       | 0.4997087    | 50       | 0.5258958    | 100      | 0.4831064    | 200      | 0.5167858    |          |    |          |    |
| 1,2-Dichloroethane                 | 20       | 0.253744     | 50       | 0.2425975    | 100      | 0.2496121    | 200      | 0.2522242    |          |    |          |    |
| 1,1-Dichloroethylene               | 20       | 0.4398817    | 50       | 0.4573638    | 100      | 0.4141422    | 200      | 0.4168302    |          |    |          |    |
| cis-1,2-Dichloroethylene           | 20       | 0.413133     | 50       | 0.4401122    | 100      | 0.3962351    | 200      | 0.4251106    |          |    |          |    |
| trans-1,2-Dichloroethylene         | 20       | 0.3830886    | 50       | 0.4309172    | 100      | 0.37894      | 200      | 0.3948468    |          |    |          |    |
| Dichlorofluoromethane (Freon 21)   | 20       | 0.5411316    | 50       | 0.5674573    | 100      | 0.5299907    | 200      | 0.5312189    |          |    |          |    |
| 1,2-Dichloropropane                | 20       | 0.2162734    | 50       | 0.2090811    | 100      | 0.2168476    | 200      | 0.2119954    |          |    |          |    |
| 1,3-Dichloropropane                | 20       | 0.2969266    | 50       | 0.2763647    | 100      | 0.2685361    | 200      | 0.2708778    |          |    |          |    |
| 2,2-Dichloropropane                | 20       | 0.4023778    | 50       | 0.4351477    | 100      | 0.3938699    | 200      | 0.4199135    |          |    |          |    |
| 1,1-Dichloropropene                | 20       | 0.4277292    | 50       | 0.4406091    | 100      | 0.4335464    | 200      | 0.4220625    |          |    |          |    |
| cis-1,3-Dichloropropene            | 20       | 0.3390405    | 50       | 0.343717     | 100      | 0.3372881    | 200      | 0.3380859    |          |    |          |    |
| trans-1,3-Dichloropropene          | 20       | 0.2822274    | 50       | 0.2734988    | 100      | 0.2638935    | 200      | 0.2784079    |          |    |          |    |
| Diethyl Ether                      | 20       | 0.1848697    | 50       | 0.1956965    | 100      | 0.1799811    | 200      | 0.1873394    |          |    |          |    |
| Diisopropyl Ether (DIPE)           | 20       | 0.749794     | 50       | 0.7821875    | 100      | 0.7082811    | 200      | 0.7892883    |          |    |          |    |
| 1,4-Dioxane                        | 200      | 1.609987E-03 | 500      | 1.782452E-03 | 1000     | 1.647344E-03 | 2000     | 1.893146E-03 |          |    |          |    |
| Ethyl Acetate                      | 20       | 0.1694328    | 50       | 0.2056775    | 100      | 0.1713976    | 200      | 0.2169569    |          |    |          |    |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                       | Level 07 |              | Level 08 |              | Level 09 |              | Level 10 |           | Level 11 |    | Level 12 |    |
|--------------------------------|----------|--------------|----------|--------------|----------|--------------|----------|-----------|----------|----|----------|----|
|                                |          | RF           |          | RF           |          | RF           |          | RF        |          | RF |          | RF |
| Ethylbenzene                   | 20       | 2.196558     | 50       | 2.179246     | 100      | 2.186897     | 200      | 2.125678  |          |    |          |    |
| Ethyl Methacrylate             | 20       | 0.224212     | 50       | 0.2202425    | 100      | 0.2013968    | 200      | 0.2242814 |          |    |          |    |
| Hexachlorobutadiene            | 20       | 0.2919243    | 50       | 0.3213278    | 100      | 0.3055162    | 200      | 0.3240769 |          |    |          |    |
| 2-Hexanone (MBK)               | 200      | 0.1174052    | 500      | 0.1105104    | 1000     | 0.1006278    | 2000     | 0.1192554 |          |    |          |    |
| Iodomethane                    | 200      | 0.3770926    | 500      | 0.4668255    | 1000     | 0.4375321    |          |           |          |    |          |    |
| Isopropylbenzene (Cumene)      | 20       | 2.054543     | 50       | 2.102131     | 100      | 2.052131     | 200      | 2.079757  |          |    |          |    |
| p-Isopropyltoluene (p-Cymene)  | 20       | 1.711894     | 50       | 1.821778     | 100      | 1.681781     | 200      | 1.726345  |          |    |          |    |
| Methyl Acetate                 | 20       | 0.2270887    | 50       | 0.2084873    | 100      | 0.1871288    | 200      | 0.2057888 |          |    |          |    |
| Methyl tert-Butyl Ether (MTBE) | 20       | 0.5725732    | 50       | 0.6141956    | 100      | 0.5409461    | 200      | 0.6425751 |          |    |          |    |
| Methyl Cyclohexane             | 20       | 0.3370082    | 50       | 0.3558178    | 100      | 0.3357719    | 200      | 0.3326155 |          |    |          |    |
| Methylene Chloride             | 20       | 0.3409643    | 50       | 0.3458857    | 100      | 0.3121474    | 200      | 0.3170165 |          |    |          |    |
| 4-Methyl-2-pentanone (MIBK)    | 200      | 0.1606088    | 500      | 0.1655233    | 1000     | 0.1485795    | 2000     | 0.1775055 |          |    |          |    |
| Naphthalene                    | 20       | 0.7052829    | 50       | 0.7613713    | 100      | 0.6549614    | 200      | 0.8631727 |          |    |          |    |
| n-Propylbenzene                | 20       | 2.32949      | 50       | 2.407978     | 100      | 2.334191     | 200      | 2.40114   |          |    |          |    |
| Styrene                        | 20       | 1.280457     | 50       | 1.330424     | 100      | 1.304699     | 200      | 1.314182  |          |    |          |    |
| 1,1,1,2-Tetrachloroethane      | 20       | 0.4471889    | 50       | 0.4572551    | 100      | 0.4600179    | 200      | 0.4666907 |          |    |          |    |
| 1,1,2,2-Tetrachloroethane      | 20       | 0.4358539    | 50       | 0.4460257    | 100      | 0.4275116    | 200      | 0.4723218 |          |    |          |    |
| Tetrachloroethylene            | 20       | 0.2773169    | 50       | 0.27782      | 100      | 0.2694332    | 200      | 0.271208  |          |    |          |    |
| Tetrahydrofuran                | 20       | 5.625306E-02 | 50       | 5.802707E-02 | 100      | 5.280107E-02 | 200      | 0.0639787 |          |    |          |    |
| Toluene                        | 20       | 0.9326183    | 50       | 0.9108284    | 100      | 0.8823053    | 200      | 0.8624685 |          |    |          |    |
| 1,2,3-Trichlorobenzene         | 20       | 0.2778949    | 50       | 0.2886373    | 100      | 0.2488517    | 200      | 0.3278171 |          |    |          |    |
| 1,2,4-Trichlorobenzene         | 20       | 0.4505737    | 50       | 0.4813461    | 100      | 0.4428622    | 200      | 0.5070205 |          |    |          |    |
| 1,3,5-Trichlorobenzene         | 20       | 0.5936376    | 50       | 0.62812      | 100      | 0.5981698    | 200      | 0.6337602 |          |    |          |    |
| 1,1,1-Trichloroethane          | 20       | 0.4636021    | 50       | 0.4789588    | 100      | 0.4752252    | 200      | 0.4687815 |          |    |          |    |
| 1,1,2-Trichloroethane          | 20       | 0.1828228    | 50       | 0.1778985    | 100      | 0.1683624    | 200      | 0.1750716 |          |    |          |    |
| Trichloroethylene              | 20       | 0.2300455    | 50       | 0.2308817    | 100      | 0.2328866    | 200      | 0.2260537 |          |    |          |    |



## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

*SW-846 8260C*

Client: CDM Smith, Inc. - NY

SDG: 13H0569

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| Compound                           | Level 07 |           | Level 08 |           | Level 09 |           | Level 10 |           | Level 11 |    | Level 12 |    |
|------------------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|----|----------|----|
|                                    |          | RF        |          | RF        |          | RF        |          | RF        |          | RF |          | RF |
| Trichlorofluoromethane (Freon      | 20       | 0.4430325 | 50       | 0.4734025 | 100      | 0.4450794 | 200      | 0.4249406 |          |    |          |    |
| 1,2,3-Trichloropropane             | 20       | 0.3372339 | 50       | 0.3341269 | 100      | 0.3219055 | 200      | 0.3594375 |          |    |          |    |
| 1,1,2-Trichloro-1,2,2-trifluoroeth | 20       | 0.2729429 | 50       | 0.2840618 | 100      | 0.2614131 | 200      | 0.2608503 |          |    |          |    |
| 1,2,4-Trimethylbenzene             | 20       | 1.672311  | 50       | 1.764624  | 100      | 1.674751  | 200      | 1.628008  |          |    |          |    |
| 1,3,5-Trimethylbenzene             | 20       | 1.709539  | 50       | 1.790326  | 100      | 1.785982  | 200      | 1.82317   |          |    |          |    |
| Vinyl Acetate                      | 200      | 0.5381779 | 500      | 0.585873  | 1000     | 0.5177248 | 2000     | 0.6180525 |          |    |          |    |
| Vinyl Chloride                     | 20       | 0.3363605 | 50       | 0.3500032 | 100      | 0.323263  | 200      | 0.2899233 |          |    |          |    |
| m+p Xylene                         | 40       | 1.663598  | 100      | 1.685569  | 200      | 1.678735  | 400      | 1.636089  |          |    |          |    |
| o-Xylene                           | 20       | 1.544512  | 50       | 1.597665  | 100      | 1.574442  | 200      | 1.545475  |          |    |          |    |
| 1,2-Dichloroethane-d4              | 25       | 0.4479982 | 25       | 0.4420953 | 25       | 0.4480433 | 25       | 0.4445619 |          |    |          |    |
| Toluene-d8                         | 25       | 1.174648  | 25       | 1.140239  | 25       | 1.151416  | 25       | 1.1243    |          |    |          |    |
| 4-Bromofluorobenzene               | 25       | 0.8936408 | 25       | 0.8791533 | 25       | 0.8983461 | 25       | 0.9172712 |          |    |          |    |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

|              |                                |                   |                      |
|--------------|--------------------------------|-------------------|----------------------|
| Laboratory:  | Con-Test Analytical Laboratory | Work Order:       | 13H0569              |
| Client:      | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY          |
| Calibration: | 1300053                        | Instrument:       | GCMSVOA5             |
|              |                                | Calibration Date: | 5/17/2013 12:00:36AM |

| COMPOUND                      | Mean RF      | RF RSD | Linear r | Quad COD | LIMIT | Q |
|-------------------------------|--------------|--------|----------|----------|-------|---|
| Acetone                       | 7.134968E-02 | 8.7    |          |          | 15    |   |
| Acrolein                      | 4.465998E-02 | 7.8    |          |          | 15    |   |
| Acrylonitrile                 | 8.087693E-02 | 13.0   |          |          | 15    |   |
| tert-Amyl Methyl Ether (TAME) | 0.5583237    | 12.2   |          |          | 15    |   |
| Benzene                       | 1.120585     | 5.4    |          |          | 15    |   |
| Bromobenzene                  | 0.7003925    | 4.5    |          |          | 15    |   |
| Bromochloromethane            | 0.2134845    | 9.1    |          |          | 15    |   |
| Bromodichloromethane          | 0.2646878    | 9.9    |          |          | 15    |   |
| Bromoform                     | 0.3134229    | 12.2   |          |          | 15    |   |
| Bromomethane                  | 0.2111494    | 14.1   |          |          | 15    |   |
| 2-Butanone (MEK)              | 9.527142E-02 | 14.0   |          |          | 15    |   |
| tert-Butyl Alcohol (TBA)      | 0.0157114    | 14.7   |          |          | 15    |   |
| n-Butylbenzene                | 1.473402     | 12.8   |          |          | 15    |   |
| sec-Butylbenzene              | 1.967151     | 7.4    |          |          | 15    |   |
| tert-Butylbenzene             | 1.354244     | 5.9    |          |          | 15    |   |
| tert-Butyl Ethyl Ether (TBEE) | 0.6215235    | 11.6   |          |          | 15    |   |
| Carbon Disulfide              | 0.8954041    | 5.7    |          |          | 15    |   |
| Carbon Tetrachloride          | 0.3949352    | 7.6    |          |          | 15    |   |
| Chlorobenzene                 | 1.127694     | 6.4    |          |          | 15    |   |
| Chlorodibromomethane          | 0.1999028    | 13.2   |          |          | 15    |   |
| Chloroethane                  | 0.1663037    | 7.4    |          |          | 15    |   |
| 2-Chloroethyl Vinyl Ether     | 0.1087374    | 13.4   |          |          | 15    |   |
| Chloroform                    | 0.4850183    | 7.2    |          |          | 15    |   |
| Chloromethane                 | 0.3410179    | 12.3   |          |          | 15    |   |
| 2-Chlorotoluene               | 1.218465     | 7.9    |          |          | 15    |   |
| 4-Chlorotoluene               | 1.271738     | 6.1    |          |          | 15    |   |
| Cyclohexane                   | 0.4652329    | 6.1    |          |          | 15    |   |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| COMPOUND                           | Mean RF      | RF RSD | Linear r | Quad COD | LIMIT | Q |
|------------------------------------|--------------|--------|----------|----------|-------|---|
| 1,2-Dibromo-3-chloropropane (DBCP) | 5.172919E-02 | 12.9   |          |          | 15    |   |
| 1,2-Dibromoethane (EDB)            | 0.1713981    | 13.4   |          |          | 15    |   |
| Dibromomethane                     | 0.115482     | 13.3   |          |          | 15    |   |
| 1,2-Dichlorobenzene                | 0.7781515    | 6.8    |          |          | 15    |   |
| 1,3-Dichlorobenzene                | 0.8552778    | 6.9    |          |          | 15    |   |
| 1,4-Dichlorobenzene                | 0.9458815    | 3.8    |          |          | 15    |   |
| cis-1,4-Dichloro-2-butene          | 0.116817     | 9.7    |          |          | 15    |   |
| trans-1,4-Dichloro-2-butene        | 0.1061309    | 12.8   |          |          | 15    |   |
| Dichlorodifluoromethane (Freon 12) | 0.3316602    | 7.3    |          |          | 15    |   |
| 1,1-Dichloroethane                 | 0.485378     | 5.9    |          |          | 15    |   |
| 1,2-Dichloroethane                 | 0.2699794    | 14.7   |          |          | 15    |   |
| 1,1-Dichloroethylene               | 0.4242032    | 5.1    |          |          | 15    |   |
| cis-1,2-Dichloroethylene           | 0.4016163    | 6.6    |          |          | 15    |   |
| trans-1,2-Dichloroethylene         | 0.3737704    | 9.1    |          |          | 15    |   |
| Dichlorofluoromethane (Freon 21)   | 0.5124733    | 6.9    |          |          | 15    |   |
| 1,2-Dichloropropane                | 0.2082147    | 4.8    |          |          | 15    |   |
| 1,3-Dichloropropane                | 0.2667256    | 8.6    |          |          | 15    |   |
| 2,2-Dichloropropane                | 0.3921449    | 6.1    |          |          | 15    |   |
| 1,1-Dichloropropene                | 0.4063944    | 7.3    |          |          | 15    |   |
| cis-1,3-Dichloropropene            | 0.3075397    | 11.8   |          |          | 15    |   |
| trans-1,3-Dichloropropene          | 0.2465436    | 12.2   |          |          | 15    |   |
| Diethyl Ether                      | 0.1820586    | 5.9    |          |          | 15    |   |
| Diisopropyl Ether (DIPE)           | 0.7107587    | 8.0    |          |          | 15    |   |
| 1,4-Dioxane                        | 1.659301E-03 | 10.9   |          |          | 15    |   |
| Ethyl Acetate                      | 0.1796933    | 14.9   |          |          | 15    |   |
| Ethylbenzene                       | 2.065389     | 5.2    |          |          | 15    |   |
| Ethyl Methacrylate                 | 0.203145     | 13.1   |          |          | 15    |   |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| COMPOUND                                       | Mean RF      | RF RSD | Linear r  | Quad COD | LIMIT | Q |
|------------------------------------------------|--------------|--------|-----------|----------|-------|---|
| Hexachlorobutadiene                            | 0.2752574    | 13.1   |           |          | 15    |   |
| 2-Hexanone (MBK)                               | 0.1076445    | 12.0   |           |          | 15    |   |
| Iodomethane                                    | 0.3091707    | 32.1   | 0.9976443 |          | 0.99  |   |
| Isopropylbenzene (Cumene)                      | 1.96985      | 5.0    |           |          | 15    |   |
| p-Isopropyltoluene (p-Cymene)                  | 1.593628     | 8.8    |           |          | 15    |   |
| Methyl Acetate                                 | 0.217187     | 8.5    |           |          | 15    |   |
| Methyl tert-Butyl Ether (MTBE)                 | 0.5403094    | 12.8   |           |          | 15    |   |
| Methyl Cyclohexane                             | 0.3272045    | 6.0    |           |          | 15    |   |
| Methylene Chloride                             | 0.344631     | 8.1    |           |          | 15    |   |
| 4-Methyl-2-pentanone (MIBK)                    | 0.1571706    | 11.2   |           |          | 15    |   |
| Naphthalene                                    | 0.7173134    | 14.3   |           |          | 15    |   |
| n-Propylbenzene                                | 2.168905     | 9.6    |           |          | 15    |   |
| Styrene                                        | 1.18214      | 11.7   |           |          | 15    |   |
| 1,1,1,2-Tetrachloroethane                      | 0.4217188    | 8.1    |           |          | 15    |   |
| 1,1,2,2-Tetrachloroethane                      | 0.4256722    | 10.5   |           |          | 15    |   |
| Tetrachloroethylene                            | 0.2579545    | 9.1    |           |          | 15    |   |
| Tetrahydrofuran                                | 5.649186E-02 | 6.8    |           |          | 15    |   |
| Toluene                                        | 0.8549861    | 5.8    |           |          | 15    |   |
| 1,2,3-Trichlorobenzene                         | 0.2717194    | 13.5   |           |          | 15    |   |
| 1,2,4-Trichlorobenzene                         | 0.4263482    | 13.5   |           |          | 15    |   |
| 1,3,5-Trichlorobenzene                         | 0.5442242    | 12.3   |           |          | 15    |   |
| 1,1,1-Trichloroethane                          | 0.4359259    | 7.8    |           |          | 15    |   |
| 1,1,2-Trichloroethane                          | 0.164519     | 10.0   |           |          | 15    |   |
| Trichloroethylene                              | 0.2220355    | 4.8    |           |          | 15    |   |
| Trichlorofluoromethane (Freon 11)              | 0.424814     | 6.4    |           |          | 15    |   |
| 1,2,3-Trichloropropane                         | 0.3235542    | 11.7   |           |          | 15    |   |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1 | 0.256276     | 6.8    |           |          | 15    |   |

## 6 - FORM VI

### INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Calibration: 1300053

Instrument: GCMSVOA5

Calibration Date: 5/17/2013 12:00:36AM

| COMPOUND               | Mean RF   | RF RSD | Linear r | Quad COD | LIMIT | Q |
|------------------------|-----------|--------|----------|----------|-------|---|
| 1,2,4-Trimethylbenzene | 1.564829  | 8.1    |          |          | 15    |   |
| 1,3,5-Trimethylbenzene | 1.647934  | 8.1    |          |          | 15    |   |
| Vinyl Acetate          | 0.519264  | 13.1   |          |          | 15    |   |
| Vinyl Chloride         | 0.3258208 | 5.6    |          |          | 15    |   |
| m+p Xylene             | 1.559875  | 7.7    |          |          | 15    |   |
| o-Xylene               | 1.492637  | 5.2    |          |          | 15    |   |
| 1,2-Dichloroethane-d4  | 0.4533673 | 2.5    |          |          | 15    |   |
| Toluene-d8             | 1.146862  | 1.9    |          |          | 15    |   |
| 4-Bromofluorobenzene   | 0.8982184 | 1.9    |          |          | 15    |   |

**INITIAL CALIBRATION STANDARDS**

SW-846 8260C

|              |                                |             |             |
|--------------|--------------------------------|-------------|-------------|
| Laboratory:  | Con-Test Analytical Laboratory | Work Order: | 13H0569     |
| Client:      | CDM Smith, Inc. - NY           | Project:    | Buffalo, NY |
| Sequence:    | S004253                        | Instrument: | GCMSVOA5    |
| Calibration: | 1300053                        |             |             |

| Standard ID | Description                      | Lab Sample ID | Lab File ID | Analysis Date/Time |
|-------------|----------------------------------|---------------|-------------|--------------------|
| 1206199     | 0.4ppb 8260 Calibration Standard | S004253-CAL1  | ve137003.D  | 05/17/13 07:13     |
| 1206200     | 0.5ppb 8260 Calibration Standard | S004253-CAL2  | ve137004.D  | 05/17/13 07:39     |
| 1206201     | 1ppb 8260 Calibration Standard   | S004253-CAL3  | ve137005.D  | 05/17/13 08:05     |
| 1206202     | 2ppb 8260 Calibration Standard   | S004253-CAL4  | ve137006.D  | 05/17/13 08:31     |
| 1206203     | 5ppb 8260 Calibration Standard   | S004253-CAL5  | ve137007.D  | 05/17/13 08:57     |
| 1206204     | 10ppb 8260 Calibration Standard  | S004253-CAL6  | ve137008.D  | 05/17/13 09:24     |
| 1206205     | 20ppb 8260 Calibration Standard  | S004253-CAL7  | ve137009.D  | 05/17/13 09:50     |
| 1206206     | 50ppb 8260 Calibration Standard  | S004253-CAL8  | ve137010.D  | 05/17/13 10:16     |
| 1206207     | 100ppb 8260 Calibration Standard | S004253-CAL9  | ve137011.D  | 05/17/13 10:42     |
| 1206208     | 200ppb 8260 Calibration Standard | S004253-CALA  | ve137012.D  | 05/17/13 11:08     |

U:\DATA\051713\

| Date        |       |    | Filename   | Lab ID                 | Sample Info |
|-------------|-------|----|------------|------------------------|-------------|
| 17 May 2013 | 6:21  | am | ve137001.D | BLK                    | 1           |
| 17 May 2013 | 6:47  | am | ve137002.D | BLK                    | 1           |
| 17 May 2013 | 7:13  | am | ve137003.D | 8260STD 0.4PPB 1305059 | 1           |
| 17 May 2013 | 7:39  | am | ve137004.D | 8260STD 0.5PPB 1305059 | 1           |
| 17 May 2013 | 8:05  | am | ve137005.D | 8260STD 1.0PPB 1305059 | 1           |
| 17 May 2013 | 8:31  | am | ve137006.D | 8260STD 2.0PPB 1305059 | 1           |
| 17 May 2013 | 8:57  | am | ve137007.D | 8260STD 5.0PPB 1305059 | 1           |
| 17 May 2013 | 9:24  | am | ve137008.D | 8260STD 10PPB 1305059  | 1           |
| 17 May 2013 | 9:50  | am | ve137009.D | 8260STD 20PPB 1305059  | 1           |
| 17 May 2013 | 10:16 | am | ve137010.D | 8260STD 50PPB 1305059  | 1           |
| 17 May 2013 | 10:42 | am | ve137011.D | 8260STD 100PPB 1305059 | 1           |
| 17 May 2013 | 11:08 | am | ve137012.D | 8260STD 200PPB 1305059 | 1           |
| 17 May 2013 | 11:34 | am | ve137013.D | BLK                    | 1           |
| 17 May 2013 | 12:00 | pm | ve137014.D | BLK                    | 1           |
| 17 May 2013 | 12:26 | pm | ve137015.D | ICV                    | 1           |
| 17 May 2013 | 12:53 | pm | ve137016.D | ICV                    | 1           |
| 17 May 2013 | 1:18  | pm | ve137017.D | BLK                    | 1           |
| 17 May 2013 | 1:45  | pm | ve137018.D | BLK                    | 1           |
| 17 May 2013 | 2:11  | pm | ve137019.D | BLK                    | 1           |
| 17 May 2013 | 2:37  | pm | ve137020.D | BLK                    | 1           |
| 17 May 2013 | 3:03  | pm | ve137021.D | PRIME                  | 1           |
| 17 May 2013 | 3:29  | pm | ve137022.D | 8260STD 10PPB 1305059  | 1           |
| 17 May 2013 | 3:55  | pm | ve137023.D | B0-BS1                 | 1           |
| 17 May 2013 | 4:21  | pm | ve137024.D | B0-BSD1                | 1           |
| 17 May 2013 | 4:47  | pm | ve137025.D | BLK                    | 1           |
| 17 May 2013 | 5:13  | pm | ve137026.D | BLK                    | 1           |
| 17 May 2013 | 5:40  | pm | ve137027.D | B0-BLK1                | 1           |
| 17 May 2013 | 6:06  | pm | ve137028.D | 13E0577-03 @ EB        | 1           |
| 17 May 2013 | 6:35  | pm | ve137029.D | 13E0570-02             | 1           |
| 17 May 2013 | 7:01  | pm | ve137030.D | 13E0570-03             | 1           |
| 17 May 2013 | 7:27  | pm | ve137031.D | 13E0447-01             | 1           |
| 17 May 2013 | 7:54  | pm | ve137032.D | 13E0447-02             | 1           |
| 17 May 2013 | 8:20  | pm | ve137033.D | 13E0447-04             | 1           |
| 17 May 2013 | 8:46  | pm | ve137034.D | 13E0548-11             | 1           |
| 17 May 2013 | 9:12  | pm | ve137035.D | 13E0548-13             | 1           |
| 17 May 2013 | 9:39  | pm | ve137036.D | 13E0488-01             | 1           |
| 17 May 2013 | 10:05 | pm | ve137037.D | 13E0447-03 @ 2X        | 2           |
| 17 May 2013 | 10:32 | pm | ve137038.D | 13E0447-05 @ 20X       | 20          |
| 17 May 2013 | 10:58 | pm | ve137039.D | 13E0548-10 @ 2X        | 2           |
| 17 May 2013 | 11:28 | pm | ve137040.D | 13E0548-12 @ 1000X     | 1000        |
| 17 May 2013 | 11:55 | pm | ve137041.D | 13E0570-01 @ 5X        | 5           |
| 18 May 2013 | 12:21 | am | ve137042.D | 13E0577-01             | 1           |
| 18 May 2013 | 12:50 | am | ve137043.D | 13E0577-02             | 1           |
| 18 May 2013 | 1:16  | am | ve137044.D | 13E0557-01 @ 50X       | 50          |
| 18 May 2013 | 1:42  | am | ve137045.D | 13E0557-04 @ 100X      | 100         |
| 18 May 2013 | 2:12  | am | ve137046.D | 13E0557-05 @ 250X      | 250         |
| 18 May 2013 | 2:38  | am | ve137047.D | 13E0557-07 @ 10X       | 10          |
| 18 May 2013 | 3:04  | am | ve137048.D | BLK                    | 1           |
| 18 May 2013 | 3:31  | am | ve137049.D | BLK                    | 1           |
| 18 May 2013 | 3:58  | am | ve137050.D | PRIME                  | 1           |
| 18 May 2013 | 4:24  | am | ve137051.D | 8260STD 10PPB 1305059  | 1           |
| 18 May 2013 | 4:50  | am | ve137052.D | B0-BS1                 | 1           |
| 18 May 2013 | 5:18  | am | ve137053.D | B0-BSD1                | 1           |
| 18 May 2013 | 5:44  | am | ve137054.D | BLK                    | 1           |
| 18 May 2013 | 6:10  | am | ve137055.D | BLK                    | 1           |
| 18 May 2013 | 6:36  | am | ve137056.D | B0-BLK1                | 1           |
| 18 May 2013 | 7:07  | am | ve137057.D | 13E0553-05 @ TB        | 1           |
| 18 May 2013 | 7:33  | am | ve137058.D | 13E0553-01             | 1           |
| 18 May 2013 | 7:59  | am | ve137059.D | 13E0553-02             | 1           |
| 18 May 2013 | 8:33  | am | ve137060.D | 13E0590-09             | 1           |
| 18 May 2013 | 8:59  | am | ve137061.D | 13E0590-10             | 1           |
| 18 May 2013 | 9:31  | am | ve137062.D | 13E0590-05             | 1           |
| 18 May 2013 | 9:57  | am | ve137063.D | 13E0590-01 @ 2X        | 2           |
| 18 May 2013 | 10:26 | am | ve137064.D | 13E0590-02 @ 5X        | 5           |
| 18 May 2013 | 10:53 | am | ve137065.D | 13E0590-03 @ 20X       | 20          |
| 18 May 2013 | 11:19 | am | ve137066.D | 13E0590-04 @ 5X        | 5           |
| 18 May 2013 | 11:45 | am | ve137067.D | 13E0590-06 @ 500X      | 500         |
| 18 May 2013 | 12:11 | pm | ve137068.D | 13E0590-07 @ 25X       | 25          |
| 18 May 2013 | 12:40 | pm | ve137069.D | 13E0590-08 @ 100X      | 100         |

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| Date        |         | Filename   | Lab ID           | Sample Info |
|-------------|---------|------------|------------------|-------------|
| 18 May 2013 | 1:06 pm | ve137070.D | 13E0557-08 @ 50X | 50          |
| 18 May 2013 | 1:33 pm | ve137071.D | 13E0553-03 @ 10X | 10          |
| 18 May 2013 | 1:59 pm | ve137072.D | 13E0553-04 @ 2X  | 2           |
| 18 May 2013 | 2:25 pm | ve137073.D | BLK              | 1           |



Method Path : C:\msdchem\1\METHODS\  
 Method File : E051713W.m  
 Title : 8260 WATER 5MLS VOAMS 5973 #5  
 Last Update : Mon May 20 08:42:31 2013  
 Response Via : Initial Calibration

## Calibration Files

0.4 =ve137003.D 0.5 =ve137004.D 1 =ve137005.D 2 =ve137006.D 5 =ve137007.D 10 =ve137008.D 20 =ve137009.D 50 =ve137010.D  
 100 =ve137011.D 200 =ve137012.D

| Compound |                       | 0.4            | 0.5   | 1     | 2     | 5     | 10    | 20    | 50    | 100   | 200   | Avg   | %RSD  |
|----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1)       | PENTAFLUOROBENZENE... | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |       |
| 2) S     | 1,2-DICHLOROET...     | 0.458          | 0.443 | 0.459 | 0.475 | 0.468 | 0.448 | 0.448 | 0.442 | 0.448 | 0.445 | 0.453 | 2.46  |
| 3)       | DICHLORODIFLUO...     | 0.304          | 0.321 | 0.327 | 0.364 | 0.350 | 0.351 | 0.356 | 0.340 | 0.313 | 0.292 | 0.332 | 7.31  |
| 4)       | DIFLUOROCHLORO...     |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 5) P     | CHLOROMETHANE         | 0.346          | 0.339 | 0.324 | 0.446 | 0.316 | 0.325 | 0.286 | 0.339 | 0.328 | 0.362 | 0.341 | 12.32 |
| 6) C     | VINYL CHLORIDE        | 0.344          | 0.319 | 0.325 | 0.342 | 0.309 | 0.321 | 0.336 | 0.350 | 0.323 | 0.290 | 0.326 | 5.55# |
| 7)       | BROMOMETHANE          |                |       |       | 0.267 | 0.224 | 0.194 | 0.176 | 0.200 | 0.196 | 0.220 | 0.211 | 14.09 |
| 8)       | CHLOROETHANE          | 0.170          | 0.178 | 0.185 | 0.177 | 0.164 | 0.163 | 0.154 | 0.172 | 0.149 | 0.150 | 0.166 | 7.44  |
| 9)       | Ethanol               |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 10)      | FLUORODICHLORO...     | 0.447          | 0.466 | 0.499 | 0.522 | 0.512 | 0.508 | 0.541 | 0.567 | 0.530 | 0.531 | 0.512 | 6.87  |
| 11)      | TRICHLOROFLUOR...     | 0.371          | 0.404 | 0.413 | 0.418 | 0.426 | 0.430 | 0.443 | 0.473 | 0.445 | 0.425 | 0.425 | 6.38  |
| 12)      | DI ETHYL ETHER        | 0.166          | 0.188 | 0.161 | 0.185 | 0.189 | 0.183 | 0.185 | 0.196 | 0.180 | 0.187 | 0.182 | 5.89  |
| 13)      | ACROLEIN              |                | 0.040 | 0.042 | 0.041 | 0.049 | 0.047 | 0.044 | 0.048 | 0.044 | 0.048 | 0.045 | 7.77  |
| 14)      | ACETONE               |                |       | 0.080 | 0.074 | 0.078 | 0.074 | 0.068 | 0.071 | 0.061 | 0.065 | 0.071 | 8.74  |
| 15) C    | 1,1-DICHLOROET...     | 0.403          | 0.385 | 0.443 | 0.439 | 0.432 | 0.412 | 0.440 | 0.457 | 0.414 | 0.417 | 0.424 | 5.14# |
| 16)      | 1,1,2-TRICL-1,...     | 0.246          | 0.220 | 0.243 | 0.261 | 0.258 | 0.254 | 0.273 | 0.284 | 0.261 | 0.261 | 0.256 | 6.76  |
| 17)      | IODOMETHANE           | 0.195          | 0.207 | 0.232 | 0.257 | 0.288 | 0.322 | 0.377 | 0.467 | 0.438 |       | 0.309 | 32.07 |
| 18)      | ALLYL CHLORIDE        |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 19)      | METHYL ACETATE        |                |       | 0.227 | 0.205 | 0.242 | 0.235 | 0.227 | 0.208 | 0.187 | 0.206 | 0.217 | 8.49  |
| 20)      | T-BUTYL ALCOHOL       | 0.012          | 0.014 | 0.016 | 0.019 | 0.017 | 0.015 | 0.017 | 0.014 | 0.018 | 0.018 | 0.016 | 14.70 |
| 21)      | ACRYLONITRILE         | 0.060          | 0.091 | 0.071 | 0.090 | 0.090 | 0.081 | 0.085 | 0.075 | 0.086 | 0.086 | 0.081 | 12.97 |
| 22)      | METHYLENE CHLO...     |                |       |       |       | 0.383 | 0.369 | 0.341 | 0.346 | 0.312 | 0.317 | 0.345 | 8.08  |
| 23)      | CARBON DISULFIDE      | 0.818          | 0.833 | 0.866 | 0.935 | 0.905 | 0.885 | 0.921 | 0.979 | 0.916 |       | 0.895 | 5.68  |
| 24)      | METHYL TERT-BU...     | 0.428          | 0.446 | 0.484 | 0.538 | 0.560 | 0.575 | 0.573 | 0.614 | 0.541 | 0.643 | 0.540 | 12.81 |
| 25)      | TRANS 1,2-DICH...     | 0.332          | 0.311 | 0.370 | 0.402 | 0.360 | 0.375 | 0.383 | 0.431 | 0.379 | 0.395 | 0.374 | 9.11  |
| 26) P    | 1,1-DICHLOROET...     | 0.447          | 0.437 | 0.480 | 0.506 | 0.471 | 0.488 | 0.500 | 0.526 | 0.483 | 0.517 | 0.485 | 5.89  |
| 27)      | PROPIONITRILE         |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 28)      | VINYL ACETATE         |                |       | 0.401 | 0.460 | 0.526 | 0.508 | 0.538 | 0.586 | 0.518 | 0.618 | 0.519 | 13.07 |
| 29)      | CHLOROPRENE           |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 30)      | DI ISOPROYL ETHER     | 0.675          | 0.610 | 0.658 | 0.738 | 0.721 | 0.675 | 0.750 | 0.782 | 0.708 | 0.789 | 0.711 | 7.99  |
| 31)      | 2-BUTANONE            |                |       | 0.081 | 0.074 | 0.095 | 0.100 | 0.099 | 0.112 | 0.090 | 0.111 | 0.095 | 13.96 |
| 32)      | METHACRYLONITRILE     |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 33)      | T-BUTYL ETHYL ...     | 0.523          | 0.508 | 0.561 | 0.644 | 0.618 | 0.629 | 0.645 | 0.715 | 0.653 | 0.719 | 0.622 | 11.55 |
| 34)      | CIS-1,2-DICHL...      | 0.388          | 0.351 | 0.383 | 0.424 | 0.413 | 0.383 | 0.413 | 0.440 | 0.396 | 0.425 | 0.402 | 6.56  |
| 35)      | 2,2-DICHLOROPR...     | 0.363          | 0.362 | 0.379 | 0.407 | 0.379 | 0.380 | 0.402 | 0.435 | 0.394 | 0.420 | 0.392 | 6.12  |
| 36)      | ETHYL ACETATE         |                |       |       |       | 0.144 | 0.171 | 0.169 | 0.206 | 0.171 | 0.217 | 0.180 | 14.90 |
| 37)      | BROMOCHLOROMET...     | 0.208          | 0.176 | 0.223 | 0.234 | 0.215 | 0.217 | 0.226 | 0.239 | 0.206 | 0.191 | 0.213 | 9.05  |
| 38)      | TETRAHYDROFURAN       |                |       | 0.051 | 0.055 | 0.057 | 0.057 | 0.056 | 0.058 | 0.053 | 0.064 | 0.056 | 6.77  |
| 39) C    | CHLOROFORM            | 0.442          | 0.435 | 0.457 | 0.497 | 0.483 | 0.471 | 0.510 | 0.549 | 0.493 | 0.514 | 0.485 | 7.25# |
| 40)      | ISOBUTANOL            |                |       |       |       |       |       |       |       |       |       | 0.000 | -1.00 |
| 41)      | 1,1,1-TRICHLOR...     | 0.423          | 0.383 | 0.395 | 0.427 | 0.416 | 0.429 | 0.464 | 0.479 | 0.475 | 0.469 | 0.436 | 7.81  |

Method Path : C:\msdchem\1\METHODS\

Method File : E051713W.m

Title : 8260 WATER 5MLS VOAMS 5973 #5

|       |                       |                |       |       |       |       |       |       |       |       |       |       |       |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 42)   | CYCLOHEXANE           | 0.440          | 0.414 | 0.478 | 0.457 | 0.455 | 0.448 | 0.485 | 0.513 | 0.493 | 0.468 | 0.465 | 6.11  |
| 43)   | CARBON TETRACH...     | 0.351          | 0.357 | 0.383 | 0.379 | 0.386 | 0.387 | 0.414 | 0.436 | 0.431 | 0.426 | 0.395 | 7.65  |
| 44)   | 1,1-DICHLOROPR...     | 0.373          | 0.345 | 0.414 | 0.418 | 0.397 | 0.392 | 0.428 | 0.441 | 0.434 | 0.422 | 0.406 | 7.30  |
| 45)   | BENZENE               | 0.990          | 1.082 | 1.125 | 1.095 | 1.133 | 1.079 | 1.168 | 1.185 | 1.170 | 1.178 | 1.121 | 5.43  |
| 46)   | T-AMYLMETHYL E...     | 0.437          | 0.485 | 0.531 | 0.538 | 0.551 | 0.558 | 0.596 | 0.647 | 0.576 | 0.663 | 0.558 | 12.22 |
| 47)   | 1,4-DIFLUOROBENZEN... | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |       |
| 48) S | TOLUENE SS            | 1.127          | 1.106 | 1.174 | 1.157 | 1.157 | 1.156 | 1.175 | 1.140 | 1.151 | 1.124 | 1.147 | 1.93  |
| 49)   | 1,2-DICHLOROET...     |                | 0.365 | 0.299 | 0.268 | 0.257 | 0.242 | 0.254 | 0.243 | 0.250 | 0.252 | 0.270 | 14.72 |
| 50)   | METHYL METHACR...     |                | 0.139 | 0.146 | 0.136 | 0.139 | 0.140 | 0.141 | 0.150 | 0.140 | 0.138 | 0.141 | 3.08  |
| 51)   | TRICHLOROETHENE       | 0.203          | 0.204 | 0.223 | 0.226 | 0.220 | 0.225 | 0.230 | 0.231 | 0.233 | 0.226 | 0.222 | 4.76  |
| 52)   | METHYLCYCLOHEXANE     |                | 0.285 | 0.332 | 0.312 | 0.330 | 0.325 | 0.337 | 0.356 | 0.336 | 0.333 | 0.327 | 5.97  |
| 53) C | 1,2-DICHLOROPR...     | 0.187          | 0.211 | 0.222 | 0.202 | 0.200 | 0.205 | 0.216 | 0.209 | 0.217 | 0.212 | 0.208 | 4.81# |
| 54)   | DIBROMOMETHANE        | 0.077          | 0.104 | 0.116 | 0.114 | 0.122 | 0.121 | 0.125 | 0.125 | 0.125 | 0.127 | 0.115 | 13.26 |
| 55)   | 1,4-DIOXANE           |                |       |       |       | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 10.93 |
| 56)   | BROMODICHLOROM...     | 0.211          | 0.239 | 0.245 | 0.266 | 0.274 | 0.265 | 0.297 | 0.285 | 0.284 | 0.281 | 0.265 | 9.88  |
| 57)   | 2-CHLOROETHYLV...     |                | 0.082 | 0.097 | 0.094 | 0.111 | 0.119 | 0.112 | 0.121 | 0.117 | 0.126 | 0.109 | 13.41 |
| 58)   | MIBK                  |                | 0.122 | 0.152 | 0.145 | 0.170 | 0.174 | 0.161 | 0.166 | 0.149 | 0.178 | 0.157 | 11.17 |
| 59)   | CIS-1,3-DICHLOR...    | 0.244          | 0.250 | 0.301 | 0.296 | 0.308 | 0.319 | 0.339 | 0.344 | 0.337 | 0.338 | 0.308 | 11.80 |
| 60) C | TOLUENE               | 0.783          | 0.775 | 0.840 | 0.862 | 0.838 | 0.863 | 0.933 | 0.911 | 0.882 | 0.862 | 0.855 | 5.80# |
| 61)   | TRANS-1,3,-DIC...     | 0.198          | 0.203 | 0.233 | 0.229 | 0.246 | 0.257 | 0.282 | 0.273 | 0.264 | 0.278 | 0.247 | 12.19 |
| 62)   | ETHYL METHACRY...     |                | 0.141 | 0.195 | 0.188 | 0.220 | 0.214 | 0.224 | 0.220 | 0.201 | 0.224 | 0.203 | 13.14 |
| 63)   | 1,1,2-TRICHLOR...     | 0.135          | 0.138 | 0.162 | 0.159 | 0.174 | 0.174 | 0.183 | 0.178 | 0.168 | 0.175 | 0.165 | 10.04 |
| 64)   | 2-HEXANONE            |                | 0.088 | 0.100 | 0.091 | 0.120 | 0.121 | 0.117 | 0.111 | 0.101 | 0.119 | 0.108 | 12.01 |
| 65)   | TETRACHLOROETHENE     | 0.196          | 0.253 | 0.257 | 0.254 | 0.263 | 0.260 | 0.277 | 0.278 | 0.269 | 0.271 | 0.258 | 9.12  |
| 66)   | 1,3-DICHLOROPR...     | 0.230          | 0.223 | 0.283 | 0.265 | 0.272 | 0.281 | 0.297 | 0.276 | 0.269 | 0.271 | 0.267 | 8.58  |
| 67)   | DIBROMOCHLOROM...     | 0.167          | 0.151 | 0.186 | 0.187 | 0.207 | 0.207 | 0.226 | 0.224 | 0.219 | 0.227 | 0.200 | 13.16 |
| 68)   | 1,2-DIBROMOETHANE     | 0.132          | 0.129 | 0.169 | 0.170 | 0.186 | 0.181 | 0.195 | 0.186 | 0.177 | 0.188 | 0.171 | 13.39 |
| 69)   | CHLOROBENZENE-D5      | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |       |
| 70) S | 4-BROMOFLUOROB...     | 0.904          | 0.913 | 0.867 | 0.912 | 0.881 | 0.915 | 0.894 | 0.879 | 0.898 | 0.917 | 0.898 | 1.94  |
| 71) T | CHLOROBENZENE         | 1.000          | 1.033 | 1.061 | 1.155 | 1.130 | 1.143 | 1.210 | 1.187 | 1.178 | 1.180 | 1.128 | 6.35  |
| 72)   | 1,1,1,2-TETRAC...     | 0.382          | 0.373 | 0.419 | 0.401 | 0.397 | 0.414 | 0.447 | 0.457 | 0.460 | 0.467 | 0.422 | 8.09  |
| 73) C | ETHYLBENZENE          | 1.889          | 1.946 | 1.984 | 2.039 | 2.014 | 2.093 | 2.197 | 2.179 | 2.187 | 2.126 | 2.065 | 5.22# |
| 74)   | M/P-XYLENES           | 1.342          | 1.375 | 1.526 | 1.555 | 1.562 | 1.575 | 1.664 | 1.686 | 1.679 | 1.636 | 1.560 | 7.69  |
| 75)   | O-XYLENE              | 1.388          | 1.448 | 1.360 | 1.503 | 1.468 | 1.498 | 1.545 | 1.598 | 1.574 | 1.545 | 1.493 | 5.22  |
| 76)   | STYRENE               | 0.936          | 1.030 | 1.038 | 1.159 | 1.190 | 1.239 | 1.280 | 1.330 | 1.305 | 1.314 | 1.182 | 11.71 |
| 77) P | BROMOFORM             |                |       | 0.260 | 0.254 | 0.314 | 0.313 | 0.328 | 0.340 | 0.336 | 0.364 | 0.313 | 12.25 |
| 78)   | ISOPROPYLBENZENE      | 1.856          | 1.865 | 1.881 | 1.922 | 1.881 | 2.004 | 2.055 | 2.102 | 2.052 | 2.080 | 1.970 | 4.98  |
| 79)   | CIS-1,4-DICHLOR...    |                |       | 0.116 | 0.094 | 0.119 | 0.120 | 0.114 | 0.121 | 0.115 | 0.135 | 0.117 | 9.69  |
| 80) P | 1,1,2,2-TETRAC...     | 0.330          | 0.391 | 0.412 | 0.402 | 0.478 | 0.461 | 0.436 | 0.446 | 0.428 | 0.472 | 0.426 | 10.46 |
| 81)   | 1,4-DICHLORO-2...     |                |       | 0.092 | 0.087 | 0.098 | 0.113 | 0.103 | 0.115 | 0.113 | 0.128 | 0.106 | 12.81 |
| 82)   | BROMOBENZENE          | 0.663          | 0.644 | 0.681 | 0.711 | 0.686 | 0.710 | 0.744 | 0.733 | 0.715 | 0.718 | 0.700 | 4.48  |
| 83)   | 1,2,3-TRICHLOR...     | 0.224          | 0.317 | 0.332 | 0.312 | 0.346 | 0.351 | 0.337 | 0.334 | 0.322 | 0.359 | 0.324 | 11.74 |
| 84)   | N-PROPYLBENZENE       | 1.874          | 1.845 | 2.057 | 2.061 | 2.128 | 2.252 | 2.329 | 2.408 | 2.334 | 2.401 | 2.169 | 9.58  |
| 85)   | 2-CHLOROTOLUENE       | 1.055          | 1.183 | 1.062 | 1.245 | 1.196 | 1.285 | 1.235 | 1.319 | 1.311 | 1.293 | 1.218 | 7.86  |
| 86)   | 1,3,5-TRIMETHY...     | 1.479          | 1.457 | 1.524 | 1.602 | 1.616 | 1.692 | 1.710 | 1.790 | 1.786 | 1.823 | 1.648 | 8.07  |
| 87)   | 4-CHLOROTOLUENE       | 1.150          | 1.165 | 1.272 | 1.297 | 1.189 | 1.276 | 1.321 | 1.357 | 1.335 | 1.356 | 1.272 | 6.11  |
| 88)   | 1,4-DICHLOROBENZEN... | -----ISTD----- |       |       |       |       |       |       |       |       |       |       |       |
| 89)   | TERT-BUTYLBENZENE     | 1.219          | 1.259 | 1.377 | 1.290 | 1.326 | 1.370 | 1.431 | 1.478 | 1.408 | 1.384 | 1.354 | 5.92  |

Method Path : C:\msdchem\1\METHODS\

Method File : E051713W.m

Title : 8260 WATER 5MLS VOAMS 5973 #5

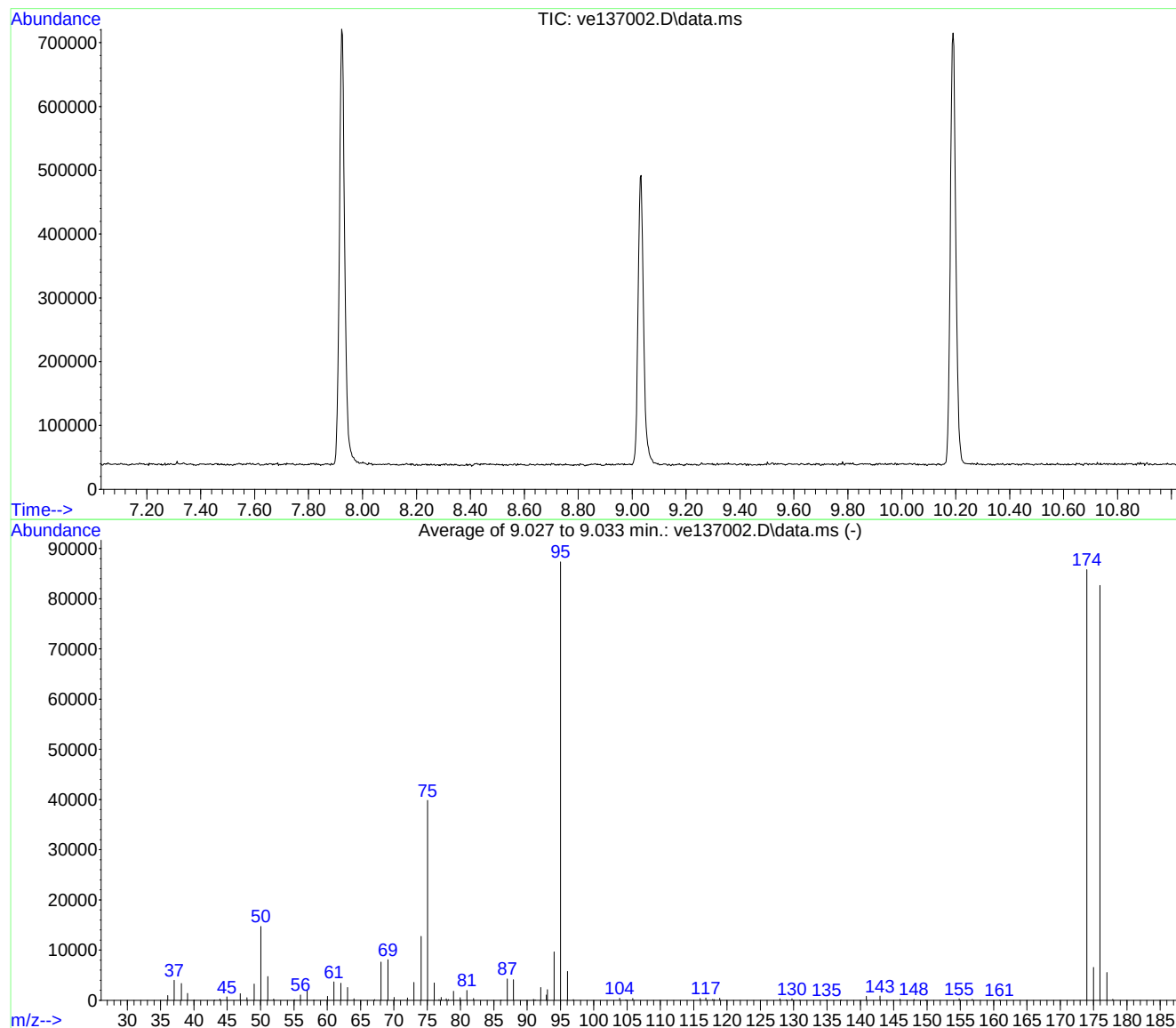
|      |                   |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 90)  | 1,2,4-TRIMETHY... | 1.327 | 1.462 | 1.466 | 1.537 | 1.565 | 1.552 | 1.672 | 1.765 | 1.675 | 1.628 | 1.565 | 8.13  |
| 91)  | SEC-BUTYLBENZENE  | 1.743 | 1.811 | 1.895 | 1.948 | 1.861 | 1.939 | 2.117 | 2.179 | 2.097 | 2.082 | 1.967 | 7.38  |
| 92)  | 1,3-DICHLOROB...  | 0.761 | 0.779 | 0.817 | 0.855 | 0.838 | 0.850 | 0.907 | 0.945 | 0.901 | 0.900 | 0.855 | 6.88  |
| 93)  | P-ISOPROPYLTOL... | 1.382 | 1.464 | 1.516 | 1.487 | 1.527 | 1.618 | 1.712 | 1.822 | 1.682 | 1.726 | 1.594 | 8.76  |
| 94)  | 1,4-DICHLOROB...  | 0.899 | 0.902 | 0.916 | 0.927 | 0.955 | 0.934 | 0.983 | 1.002 | 0.973 | 0.968 | 0.946 | 3.76  |
| 95)  | N-BUTYLBENZENE    | 1.180 | 1.209 | 1.381 | 1.375 | 1.446 | 1.495 | 1.626 | 1.703 | 1.658 | 1.661 | 1.473 | 12.81 |
| 96)  | 1,2-DICHLOROB...  | 0.689 | 0.719 | 0.739 | 0.754 | 0.785 | 0.774 | 0.821 | 0.848 | 0.815 | 0.838 | 0.778 | 6.82  |
| 97)  | 1,2-DIBROMO-3-... |       |       | 0.043 | 0.042 | 0.055 | 0.055 | 0.050 | 0.056 | 0.050 | 0.062 | 0.052 | 12.93 |
| 98)  | 1,3,5-TRICHLOR... | 0.452 | 0.462 | 0.494 | 0.501 | 0.542 | 0.537 | 0.594 | 0.628 | 0.598 | 0.634 | 0.544 | 12.26 |
| 99)  | 1,2,4-TRICHLOR... |       | 0.332 | 0.379 | 0.361 | 0.453 | 0.430 | 0.451 | 0.481 | 0.443 | 0.507 | 0.426 | 13.51 |
| 100) | HEXACHLOROBUTA... | 0.217 | 0.241 | 0.243 | 0.256 | 0.278 | 0.275 | 0.292 | 0.321 | 0.306 | 0.324 | 0.275 | 13.09 |
| 101) | NAPHTHALENE       |       |       | 0.627 | 0.550 | 0.796 | 0.781 | 0.705 | 0.761 | 0.655 | 0.863 | 0.717 | 14.30 |
| 102) | 1,2,3-TRICHLOR... |       | 0.228 | 0.236 | 0.233 | 0.304 | 0.302 | 0.278 | 0.289 | 0.249 | 0.328 | 0.272 | 13.48 |

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(#) = Out of Range

Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137002.D  
 Acq On : 17 May 2013 6:47 am  
 Operator :  
 Sample : BLK  
 Misc : 1  
 ALS Vial : 2 Sample Multiplier: 1

Integration File: 8260B.P

Method : C:\msdchem\1\METHODS\E051713W.m  
 Title : 8260 WATER 5MLS VOAMS 5973 #5  
 Last Update : Mon May 20 08:42:31 2013

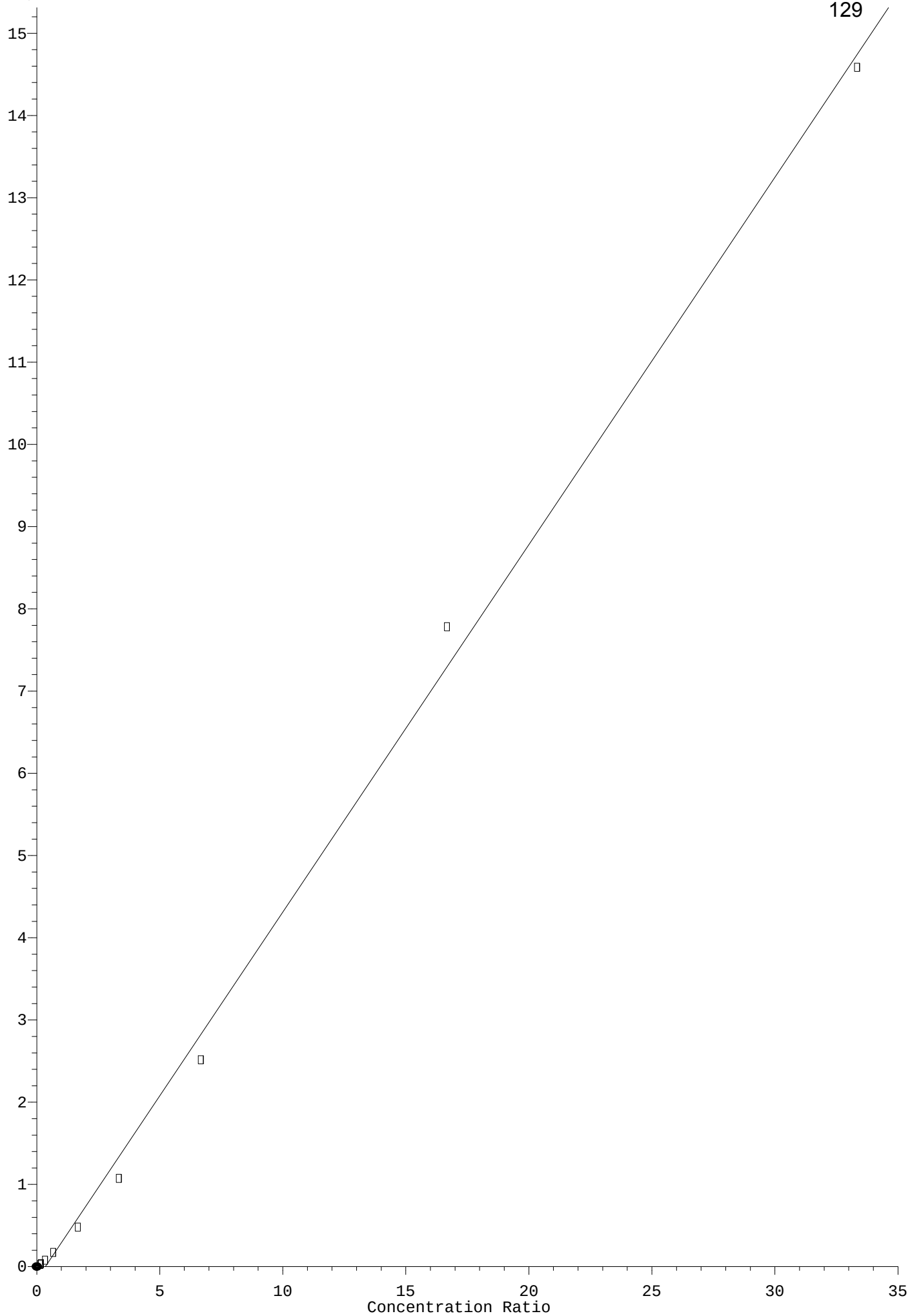


AutoFind: Scans 2919, 2920, 2921; Background Corrected with Scan 2907

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 16.8      | 14703   | PASS             |
| 75          | 95           | 30           | 60           | 45.6      | 39792   | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 87325   | PASS             |
| 96          | 95           | 5            | 9            | 6.6       | 5740    | PASS             |
| 173         | 174          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 174         | 95           | 50           | 100          | 98.2      | 85776   | PASS             |
| 175         | 174          | 5            | 9            | 7.6       | 6547    | PASS             |
| 176         | 174          | 95           | 101          | 96.4      | 82648   | PASS             |
| 177         | 176          | 5            | 9            | 6.7       | 5508    | PASS             |

IODOMETHANE

Response Ratio



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137003.D  
 Acq On : 17 May 2013 7:13 am  
 Operator :  
 Sample : 8260STD 0.4PPB 1305059  
 Misc : 1  
 ALS Vial : 3 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:28:00 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards            |                |      |            |          |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295          | 168  | 280811     | 30.00    | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056          | 114  | 378395     | 30.00    | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.923          | 82   | 170699     | 30.00    | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190         | 152  | 168576     | 30.00    | UG/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.208          | 65   | 107073     | 24.73    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 98.92%   |        |          |
| 48) TOLUENE SS                | 6.668          | 98   | 355503     | 23.84    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 95.36%   |        |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.030          | 95   | 128645     | 24.79    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 99.16%   |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          |        | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948          | 85   | 1137       | 0.32     | UG/L # | 42       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000          |      | 0          | N.D.     |        |          |
| 5) CHLOROMETHANE              | 1.026          | 50   | 1295       | 0.41     | UG/L # | 41       |
| 6) VINYL CHLORIDE             | 1.104          | 62   | 1288       | 0.40     | UG/L # | 79       |
| 7) BROMOMETHANE               | 1.286          | 94   | 1234       | 1.00     | UG/L   | 95       |
| 8) CHLOROETHANE               | 1.361          | 64   | 638        | 0.51     | UG/L # | 51       |
| 9) Ethanol                    | 1.827          | 45   | 962        | No Calib | #      |          |
| 10) FLUORODICHLOROMETHANE     | 1.389          | 67   | 1675       | 0.36     | UG/L # | 35       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659          | 101  | 1390       | 0.36     | UG/L   | 96       |
| 12) DI ETHYL ETHER            | 1.827          | 59   | 621        | 0.34     | UG/L # | 13       |
| 13) ACROLEIN                  | 1.668          | 56   | 1358       | 3.20     | UG/L   | 94       |
| 14) ACETONE                   | 1.746          | 43   | 3869       | 6.18     | UG/L # | 83       |
| 15) 1,1-DICHLOROETHENE        | 1.986          | 61   | 1509       | 0.36     | UG/L # | 71       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.153          | 101  | 922        | 0.37     | UG/L # | 7        |
| 17) IODOMETHANE               | 1.988          | 142  | 7308       | 16.32    | UG/L   | 97       |
| 18) ALLYL CHLORIDE            | 0.000          |      | 0          | N.D.     |        |          |
| 19) METHYL ACETATE            | 0.000          |      | 0          | N.D.     |        |          |
| 20) T-BUTYL ALCOHOL           | 0.000          |      | 0          | N.D.     |        |          |
| 21) ACRYLONITRILE             | 2.058          | 53   | 187m       | 0.21     | UG/L   |          |
| 22) METHYLENE CHLORIDE        | 2.097          | 49   | 2902       | 0.77     | UG/L # | 76       |
| 23) CARBON DISULFIDE          | 2.198          | 76   | 30635      | 3.69     | UG/L   | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.769          | 73   | 1604m      | 0.28     | UG/L   |          |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.630          | 61   | 1243m      | 0.33     | UG/L   |          |
| 26) 1,1-DICHLOROETHANE        | 2.853          | 63   | 1672       | 0.34     | UG/L # | 89       |
| 27) PROPIONITRILE             | 0.000          |      | 0          | N.D.     |        |          |
| 28) VINYL ACETATE             | 3.101          | 43   | 12018      | 2.30     | UG/L # | 93       |
| 29) CHLOROPRENE               | 0.000          |      | 0          | N.D.     |        |          |
| 30) DI ISOPROYL ETHER         | 3.419          | 45   | 2529       | 0.34     | UG/L # | 54       |
| 31) 2-BUTANONE                | 3.386          | 43   | 2120m      | 2.24     | UG/L   |          |
| 32) METHACRYLONITRILE         | 3.712          | 41   | 701        | No Calib | #      |          |
| 33) T-BUTYL ETHYL ETHER       | 3.815          | 59   | 1960m      | 0.29     | UG/L   |          |
| 34) CIS-1,2-DICHLOROETHENE    | 3.444          | 61   | 1451       | 0.36     | UG/L   | 94       |
| 35) 2,2-DICHLOROPROPANE       | 3.717          | 77   | 1360m      | 0.36     | UG/L   |          |
| 36) ETHYL ACETATE             | 0.000          |      | 0          | N.D.     |        |          |
| 37) BROMOCHLOROMETHANE        | 3.592          | 49   | 780m       | 0.33     | UG/L   |          |
| 38) TETRAHYDROFURAN           | 0.000          |      | 0          | N.D.     |        |          |
| 39) CHLOROFORM                | 3.664          | 83   | 1654m      | 0.34     | UG/L   |          |
| 40) ISOBUTANOL                | 0.000          |      | 0          | N.D.     |        |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.359          | 97   | 1585       | 0.39     | UG/L # | 51       |
| 42) CYCLOHEXANE               | 4.604          | 56   | 1649       | 0.36     | UG/L # | 79       |
| 43) CARBON TETRACHLORIDE      | 4.699          | 117  | 1313       | 0.37     | UG/L   | 100      |
| 44) 1,1-DICHLOROPROPENE       | 4.557          | 75   | 1398       | 0.36     | UG/L # | 38       |
| 45) BENZENE                   | 4.752          | 78   | 3706       | 0.34     | UG/L   | 100      |
| 46) T-AMYL METHYL ETHER       | 4.989          | 73   | 1638m      | 0.27     | UG/L   |          |
| 49) 1,2-DICHLOROETHANE        | 4.292          | 62   | 1964       | 0.60     | UG/L # | 1        |
| 50) METHYL METHACRYLATE       | 0.000          |      | 0          | N.D.     |        |          |
| 51) TRICHLOROETHENE           | 5.368          | 95   | 1023       | 0.38     | UG/L   | 90       |
| 52) METHYLCYCLOHEXANE         | 5.817          | 83   | 1524m      | 0.37     | UG/L   |          |

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 Sample : 8260STD 0.4PPB 1305059  
 Misc : 1  
 ALS Vial : 3 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:28:00 2013  
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.315  | 63   | 944      | 0.34 | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.262  | 93   | 387m     | 0.26 | UG/L   |          |
| 55) 1,4-DIOXANE               | 0.000  |      | 0        | N.D. |        |          |
| 56) BROMODICHLOROMETHANE      | 5.402  | 83   | 1063     | 0.32 | UG/L # | 81       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.909  | 63   | 3552     | 2.28 | UG/L   | 98       |
| 58) MIBK                      | 6.205  | 43   | 4826     | 2.44 | UG/L # | 81       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.051  | 75   | 1230m    | 0.30 | UG/L   |          |
| 60) TOLUENE                   | 6.729  | 91   | 3950     | 0.37 | UG/L   | 94       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.459  | 75   | 999m     | 0.31 | UG/L   |          |
| 62) ETHYL METHACRYLATE        | 6.944  | 69   | 679      | 0.26 | UG/L # | 21       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.565  | 97   | 682      | 0.33 | UG/L # | 14       |
| 64) 2-HEXANONE                | 7.008  | 43   | 3360m    | 2.44 | UG/L   |          |
| 65) TETRACHLOROETHENE         | 7.354  | 166  | 989      | 0.33 | UG/L   | 85       |
| 66) 1,3-DICHLOROPROPANE       | 6.782  | 76   | 1162     | 0.34 | UG/L # | 42       |
| 67) DIBROMOCHLOROMETHANE      | 6.958  | 129  | 841m     | 0.35 | UG/L   |          |
| 68) 1,2-DIBROMOETHANE         | 7.172  | 107  | 665      | 0.30 | UG/L # | 4        |
| 71) CHLOROBENZENE             | 7.953  | 112  | 2277     | 0.39 | UG/L # | 41       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.889  | 131  | 869      | 0.40 | UG/L # | 1        |
| 73) ETHYLBENZENE              | 8.176  | 91   | 4299     | 0.40 | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.360  | 91   | 6108     | 0.75 | UG/L   | 99       |
| 75) O-XYLENE                  | 8.698  | 91   | 3158     | 0.40 | UG/L   | 94       |
| 76) STYRENE                   | 8.639  | 104  | 2131     | 0.34 | UG/L # | 84       |
| 77) BROMOFORM                 | 8.352  | 173  | 437m     | 0.29 | UG/L   |          |
| 78) ISOPROPYLBENZENE          | 9.035  | 105  | 4224     | 0.42 | UG/L   | 90       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.578  | 53   | 32m      | 0.05 | UG/L   |          |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 751      | 0.32 | UG/L # | 25       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 0.000  |      | 0        | N.D. |        |          |
| 82) BROMOBENZENE              | 9.180  | 77   | 1509     | 0.40 | UG/L # | 53       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.809  | 75   | 510      | 0.29 | UG/L # | 34       |
| 84) N-PROPYLBENZENE           | 9.434  | 91   | 4266     | 0.37 | UG/L   | 95       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 2402     | 0.39 | UG/L   | 97       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 3367     | 0.40 | UG/L   | 96       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 2618     | 0.39 | UG/L   | 95       |
| 89) TERT-BUTYLBENZENE         | 9.936  | 119  | 2740     | 0.40 | UG/L   | 90       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.059 | 105  | 2982     | 0.36 | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.137 | 105  | 3917     | 0.38 | UG/L   | 93       |
| 92) 1,3-DICHLOROBENZENE       | 10.148 | 146  | 1711     | 0.38 | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.335 | 119  | 3106     | 0.38 | UG/L   | 96       |
| 94) 1,4-DICHLOROBENZENE       | 10.209 | 146  | 2020     | 0.41 | UG/L # | 26       |
| 95) N-BUTYLBENZENE            | 10.695 | 91   | 2653     | 0.33 | UG/L   | 95       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 1548     | 0.39 | UG/L   | 96       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 0.000  |      | 0        | N.D. |        |          |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.712 | 180  | 1017     | 0.35 | UG/L # | 57       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.178 | 180  | 697      | 0.32 | UG/L   | 98       |
| 100) HEXACHLOROBUTADIENE      | 12.499 | 225  | 488m     | 0.35 | UG/L   |          |
| 101) NAPHTHALENE              | 12.390 | 128  | 1100     | 0.28 | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.574 | 180  | 313m     | 0.21 | UG/L   |          |

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Inst : GCMSV0A5

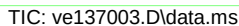
Quant Time: May 20 08:28:00 2013

Quant Method : C:\msdchem\1\METHODS\E050613W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Tue May 07 06:36:19 2013

Response via : Initial Calibration





Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137004.D  
 Acq On : 17 May 2013 7:39 am  
 Operator :  
 Sample : 8260STD 0.5PPB 1305059  
 Misc : 1  
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:54:54 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|---------|----------|
| Internal Standards            |          |       |          |          |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295    | 168   | 279335   | 30.00    | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 378876   | 30.00    | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.925    | 82    | 168601   | 30.00    | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190   | 152   | 177067   | 30.00    | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |          |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.208    | 65    | 103169   | 23.95    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 95.80%  |          |
| 48) TOLUENE SS                | 6.665    | 98    | 349348   | 23.40    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 93.60%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.030    | 95    | 128326   | 25.04    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 100.16% |          |
| Target Compounds              |          |       |          |          |         |          |
|                               |          |       |          |          |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 1494     | 0.42     | UG/L #  | 42       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |         |          |
| 5) CHLOROMETHANE              | 1.024    | 50    | 1578     | 0.51     | UG/L #  | 41       |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 1484     | 0.46     | UG/L #  | 83       |
| 7) BROMOMETHANE               | 1.286    | 94    | 1380     | 1.12     | UG/L    | 94       |
| 8) CHLOROETHANE               | 1.361    | 64    | 830      | 0.66     | UG/L #  | 51       |
| 9) Ethanol                    | 1.824    | 45    | 1055     | No Calib | #       |          |
| 10) FLUORODICHLOROMETHANE     | 1.392    | 67    | 2170     | 0.47     | UG/L #  | 56       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 1882     | 0.50     | UG/L    | 96       |
| 12) DI ETHYL ETHER            | 1.829    | 59    | 874      | 0.48     | UG/L #  | 66       |
| 13) ACROLEIN                  | 1.665    | 56    | 1843     | 4.36     | UG/L    | 98       |
| 14) ACETONE                   | 1.746    | 43    | 4764     | 7.65     | UG/L #  | 83       |
| 15) 1,1-DICHLOROETHENE        | 1.977    | 61    | 1792     | 0.43     | UG/L    | 99       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.147    | 101   | 1025     | 0.41     | UG/L #  | 7        |
| 17) IODOMETHANE               | 1.988    | 142   | 9635     | 16.84    | UG/L    | 94       |
| 18) ALLYL CHLORIDE            | 0.000    |       | 0        | N.D.     |         |          |
| 19) METHYL ACETATE            | 2.172    | 43    | 823      | 0.33     | UG/L #  | 62       |
| 20) T-BUTYL ALCOHOL           | 2.050    | 59    | 547m     | 3.48     | UG/L    |          |
| 21) ACRYLONITRILE             | 2.053    | 53    | 279m     | 0.32     | UG/L    |          |
| 22) METHYLENE CHLORIDE        | 2.097    | 49    | 3328     | 0.89     | UG/L #  | 85       |
| 23) CARBON DISULFIDE          | 2.198    | 76    | 38771    | 4.70     | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.780    | 73    | 2078     | 0.36     | UG/L #  | 47       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627    | 61    | 1450     | 0.38     | UG/L #  | 44       |
| 26) 1,1-DICHLOROETHANE        | 2.850    | 63    | 2034     | 0.41     | UG/L #  | 89       |
| 27) PROPIONITRILE             | 0.000    |       | 0        | N.D.     |         |          |
| 28) VINYL ACETATE             | 3.098    | 43    | 16027    | 3.09     | UG/L #  | 87       |
| 29) CHLOROPRENE               | 0.000    |       | 0        | N.D.     |         |          |
| 30) DI ISOPROYL ETHER         | 3.416    | 45    | 2842     | 0.38     | UG/L #  | 54       |
| 31) 2-BUTANONE                | 3.383    | 43    | 2620m    | 2.78     | UG/L    |          |
| 32) METHACRYLONITRILE         | 3.709    | 41    | 723      | No Calib | #       |          |
| 33) T-BUTYL ETHYL ETHER       | 3.812    | 59    | 2367     | 0.35     | UG/L #  | 63       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.444    | 61    | 1636     | 0.41     | UG/L #  | 78       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 1685     | 0.44     | UG/L #  | 55       |
| 36) ETHYL ACETATE             | 0.000    |       | 0        | N.D.     |         |          |
| 37) BROMOCHLOROMETHANE        | 3.589    | 49    | 818m     | 0.35     | UG/L    |          |
| 38) TETRAHYDROFURAN           | 0.000    |       | 0        | N.D.     |         |          |
| 39) CHLOROFORM                | 3.656    | 83    | 2024     | 0.42     | UG/L #  | 60       |
| 40) ISOBUTANOL                | 0.000    |       | 0        | N.D.     |         |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.359    | 97    | 1781     | 0.44     | UG/L #  | 43       |
| 42) CYCLOHEXANE               | 4.607    | 56    | 1929     | 0.42     | UG/L #  | 80       |
| 43) CARBON TETRACHLORIDE      | 4.688    | 117   | 1662m    | 0.47     | UG/L    |          |
| 44) 1,1-DICHLOROPROPENE       | 4.560    | 75    | 1608     | 0.41     | UG/L #  | 91       |
| 45) BENZENE                   | 4.752    | 78    | 5036     | 0.46     | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.992    | 73    | 2257     | 0.38     | UG/L #  | 48       |
| 49) 1,2-DICHLOROETHANE        | 4.292    | 62    | 2307m    | 0.70     | UG/L    |          |
| 50) METHYL METHACRYLATE       | 5.817    | 41    | 876      | 0.49     | UG/L #  | 28       |
| 51) TRICHLOROETHENE           | 5.371    | 95    | 1288     | 0.47     | UG/L    | 96       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 1800     | 0.44     | UG/L #  | 80       |

Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137004.D  
 Acq On : 17 May 2013 7:39 am  
 Operator :  
 Sample : 8260STD 0.5PPB 1305059  
 Misc : 1  
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:54:54 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.321  | 63   | 1335     | 0.48 | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.273  | 93   | 655      | 0.43 | UG/L   | 88       |
| 55) 1,4-DIOXANE               | 0.000  |      | 0        | N.D. |        |          |
| 56) BROMODICHLOROMETHANE      | 5.407  | 83   | 1508     | 0.45 | UG/L # | 93       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.909  | 63   | 5182     | 3.32 | UG/L   | 100      |
| 58) MIBK                      | 6.205  | 43   | 7689     | 3.88 | UG/L # | 89       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.040  | 75   | 1576     | 0.39 | UG/L # | 49       |
| 60) TOLUENE                   | 6.729  | 91   | 4896     | 0.46 | UG/L   | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.461  | 75   | 1285     | 0.40 | UG/L # | 46       |
| 62) ETHYL METHACRYLATE        | 6.938  | 69   | 893      | 0.34 | UG/L # | 90       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 869      | 0.42 | UG/L   | 95       |
| 64) 2-HEXANONE                | 7.005  | 43   | 5548m    | 4.02 | UG/L   |          |
| 65) TETRACHLOROETHENE         | 7.357  | 166  | 1600     | 0.53 | UG/L   | 93       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 1411     | 0.41 | UG/L # | 42       |
| 67) DIBROMOCHLOROMETHANE      | 6.961  | 129  | 956m     | 0.39 | UG/L   |          |
| 68) 1,2-DIBROMOETHANE         | 7.170  | 107  | 817      | 0.37 | UG/L # | 94       |
| 71) CHLOROBENZENE             | 7.956  | 112  | 2903     | 0.50 | UG/L # | 53       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.898  | 131  | 1048     | 0.49 | UG/L # | 1        |
| 73) ETHYLBENZENE              | 8.174  | 91   | 5469     | 0.52 | UG/L   | 92       |
| 74) M/P-XYLENES               | 8.360  | 91   | 7729     | 0.96 | UG/L # | 61       |
| 75) O-XYLENE                  | 8.695  | 91   | 4070     | 0.53 | UG/L   | 91       |
| 76) STYRENE                   | 8.637  | 104  | 2893     | 0.47 | UG/L   | 96       |
| 77) BROMOFORM                 | 8.355  | 173  | 575      | 0.39 | UG/L # | 34       |
| 78) ISOPROPYLBENZENE          | 9.033  | 105  | 5242     | 0.52 | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.584  | 53   | 157m     | 0.25 | UG/L   |          |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 1099     | 0.48 | UG/L # | 25       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.893  | 53   | 186m     | 0.31 | UG/L   |          |
| 82) BROMOBENZENE              | 9.180  | 77   | 1809     | 0.48 | UG/L   | 96       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.815  | 75   | 891      | 0.52 | UG/L # | 34       |
| 84) N-PROPYLBENZENE           | 9.434  | 91   | 5185     | 0.46 | UG/L   | 93       |
| 85) 2-CHLOROTOLUENE           | 9.473  | 91   | 3325     | 0.55 | UG/L   | 96       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.730  | 105  | 4093     | 0.49 | UG/L   | 99       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 3273     | 0.49 | UG/L   | 95       |
| 89) TERT-BUTYLBENZENE         | 9.939  | 119  | 3716     | 0.51 | UG/L   | 97       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.059 | 105  | 4314     | 0.49 | UG/L   | 90       |
| 91) SEC-BUTYLBENZENE          | 10.142 | 105  | 5344     | 0.49 | UG/L   | 94       |
| 92) 1,3-DICHLOROBENZENE       | 10.148 | 146  | 2298     | 0.49 | UG/L   | 99       |
| 93) P-ISOPROPYLTOLUENE        | 10.332 | 119  | 4321     | 0.50 | UG/L   | 97       |
| 94) 1,4-DICHLOROBENZENE       | 10.215 | 146  | 2661     | 0.52 | UG/L # | 72       |
| 95) N-BUTYLBENZENE            | 10.695 | 91   | 3569     | 0.42 | UG/L   | 94       |
| 96) 1,2-DICHLOROBENZENE       | 10.513 | 146  | 2122     | 0.51 | UG/L   | 92       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.932 | 75   | 88m      | 0.29 | UG/L   |          |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 1363     | 0.45 | UG/L   | 96       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.186 | 180  | 979      | 0.42 | UG/L # | 51       |
| 100) HEXACHLOROBUTADIENE      | 12.499 | 225  | 711      | 0.49 | UG/L # | 44       |
| 101) NAPHTHALENE              | 12.390 | 128  | 1568     | 0.38 | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.571 | 180  | 672      | 0.42 | UG/L   | 92       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137005.D  
 Acq On : 17 May 2013 8:05 am  
 Operator :  
 Sample : 8260STD 1.0PPB 1305059  
 Misc : 1  
 ALS Vial : 5 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:52:37 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|--------|----------|
| Internal Standards            |          |       |          |          |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.294    | 168   | 271778   | 30.00    | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 374056   | 30.00    | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.922    | 82    | 179572   | 30.00    | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190   | 152   | 174480   | 30.00    | UG/L   | 0.00     |
| System Monitoring Compounds   |          |       |          |          |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.211    | 65    | 103925   | 24.80    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 99.20% |          |
| 48) TOLUENE SS                | 6.665    | 98    | 366015   | 24.83    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 99.32% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.030    | 95    | 129785   | 23.77    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 95.08% |          |
| Target Compounds              |          |       |          |          |        |          |
|                               |          |       |          |          |        | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 2958     | 0.86     | UG/L   | 94       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |        |          |
| 5) CHLOROMETHANE              | 1.026    | 50    | 2939     | 0.97     | UG/L   | 93       |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 2941     | 0.95     | UG/L # | 80       |
| 7) BROMOMETHANE               | 1.285    | 94    | 2437     | 2.04     | UG/L   | 91       |
| 8) CHLOROETHANE               | 1.361    | 64    | 1679     | 1.38     | UG/L # | 51       |
| 9) Ethanol                    | 1.826    | 45    | 1578     | No Calib | #      |          |
| 10) FLUORODICHLOROMETHANE     | 1.391    | 67    | 4525     | 1.01     | UG/L # | 84       |
| 11) TRICHLOROFLUOROMETHANE    | 1.662    | 101   | 3745     | 1.01     | UG/L   | 95       |
| 12) DI ETHYL ETHER            | 1.824    | 59    | 1458     | 0.83     | UG/L # | 62       |
| 13) ACROLEIN                  | 1.665    | 56    | 3786     | 9.21     | UG/L   | 99       |
| 14) ACETONE                   | 1.746    | 43    | 7213     | 11.91    | UG/L   | 91       |
| 15) 1,1-DICHLOROETHENE        | 1.985    | 61    | 4013     | 0.99     | UG/L   | 93       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.153    | 101   | 2204     | 0.91     | UG/L   | 97       |
| 17) IODOMETHANE               | 1.988    | 142   | 21024    | 19.46    | UG/L   | 95       |
| 18) ALLYL CHLORIDE            | 0.000    |       | 0        | N.D.     |        |          |
| 19) METHYL ACETATE            | 2.175    | 43    | 2058     | 0.84     | UG/L # | 62       |
| 20) T-BUTYL ALCOHOL           | 2.047    | 59    | 1258     | 8.22     | UG/L # | 61       |
| 21) ACRYLONITRILE             | 2.052    | 53    | 822      | 0.95     | UG/L # | 80       |
| 22) METHYLENE CHLORIDE        | 2.097    | 49    | 4744     | 1.30     | UG/L # | 79       |
| 23) CARBON DISULFIDE          | 2.197    | 76    | 78424    | 9.77     | UG/L   | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.772    | 73    | 4387     | 0.78     | UG/L # | 69       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.621    | 61    | 3352     | 0.91     | UG/L # | 84       |
| 26) 1,1-DICHLOROETHANE        | 2.855    | 63    | 4346     | 0.91     | UG/L # | 88       |
| 27) PROPIONITRILE             | 0.000    |       | 0        | N.D.     |        |          |
| 28) VINYL ACETATE             | 3.098    | 43    | 36338    | 7.20     | UG/L   | 99       |
| 29) CHLOROPRENE               | 0.000    |       | 0        | N.D.     |        |          |
| 30) DI ISOPROYL ETHER         | 3.419    | 45    | 5957     | 0.82     | UG/L   | 97       |
| 31) 2-BUTANONE                | 3.366    | 43    | 7326m    | 8.00     | UG/L   |          |
| 32) METHACRYLONITRILE         | 3.712    | 41    | 2013     | No Calib |        |          |
| 33) T-BUTYL ETHYL ETHER       | 3.812    | 59    | 5084m    | 0.78     | UG/L   |          |
| 34) CIS-1,2-DICHLOROETHENE    | 3.444    | 61    | 3469     | 0.90     | UG/L # | 76       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 3436     | 0.93     | UG/L # | 55       |
| 36) ETHYL ACETATE             | 3.801    | 43    | 1143     | 0.63     | UG/L # | 71       |
| 37) BROMOCHLOROMETHANE        | 3.583    | 49    | 2017m    | 0.88     | UG/L   |          |
| 38) TETRAHYDROFURAN           | 4.004    | 42    | 464m     | 0.78     | UG/L   |          |
| 39) CHLOROFORM                | 3.656    | 83    | 4140     | 0.89     | UG/L # | 67       |
| 40) ISOBUTANOL                | 3.801    | 43    | 1143     | No Calib | #      |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.361    | 97    | 3579m    | 0.91     | UG/L   |          |
| 42) CYCLOHEXANE               | 4.604    | 56    | 4328     | 0.96     | UG/L # | 83       |
| 43) CARBON TETRACHLORIDE      | 4.696    | 117   | 3472     | 1.00     | UG/L   | 92       |
| 44) 1,1-DICHLOROPROPENE       | 4.565    | 75    | 3754m    | 0.99     | UG/L   |          |
| 45) BENZENE                   | 4.749    | 78    | 10192    | 0.95     | UG/L   | 100      |
| 46) T-AMYL METHYL ETHER       | 4.992    | 73    | 4809     | 0.83     | UG/L   | 96       |
| 49) 1,2-DICHLOROETHANE        | 4.283    | 62    | 3730     | 1.14     | UG/L # | 1        |
| 50) METHYL METHACRYLATE       | 5.817    | 41    | 1815     | 1.03     | UG/L # | 74       |
| 51) TRICHLOROETHENE           | 5.374    | 95    | 2786     | 1.03     | UG/L   | 98       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 4135     | 1.02     | UG/L   | 89       |

Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137005.D  
 Acq On : 17 May 2013 8:05 am  
 Operator :  
 Sample : 8260STD 1.0PPB 1305059  
 Misc : 1  
 ALS Vial : 5 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:52:37 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.323  | 63   | 2766     | 1.00 | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.265  | 93   | 1443     | 0.97 | UG/L   | 92       |
| 55) 1,4-DIOXANE               | 0.000  |      | 0        | N.D. |        |          |
| 56) BROMODICHLOROMETHANE      | 5.410  | 83   | 3061m    | 0.93 | UG/L   |          |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.906  | 63   | 12077    | 7.84 | UG/L   | 94       |
| 58) MIBK                      | 6.202  | 43   | 18901    | 9.67 | UG/L   | 94       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.043  | 75   | 3753     | 0.94 | UG/L   | 93       |
| 60) TOLUENE                   | 6.729  | 91   | 10475    | 1.00 | UG/L   | 98       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.456  | 75   | 2901     | 0.91 | UG/L # | 87       |
| 62) ETHYL METHACRYLATE        | 6.941  | 69   | 2426     | 0.92 | UG/L # | 87       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 2014     | 0.98 | UG/L   | 94       |
| 64) 2-HEXANONE                | 7.002  | 43   | 12509    | 9.18 | UG/L # | 84       |
| 65) TETRACHLOROETHENE         | 7.356  | 166  | 3204     | 1.07 | UG/L   | 99       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 3533     | 1.04 | UG/L   | 98       |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 2317     | 0.97 | UG/L   | 97       |
| 68) 1,2-DIBROMOETHANE         | 7.170  | 107  | 2101     | 0.96 | UG/L # | 99       |
| 71) CHLOROBENZENE             | 7.953  | 112  | 6349     | 1.03 | UG/L   | 96       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.895  | 131  | 2509     | 1.11 | UG/L # | 1        |
| 73) ETHYLBENZENE              | 8.171  | 91   | 11876    | 1.05 | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.357  | 91   | 18267    | 2.13 | UG/L   | 95       |
| 75) O-XYLENE                  | 8.695  | 91   | 8139     | 0.99 | UG/L   | 98       |
| 76) STYRENE                   | 8.639  | 104  | 6211     | 0.94 | UG/L   | 94       |
| 77) BROMOFORM                 | 8.355  | 173  | 1554     | 0.98 | UG/L # | 94       |
| 78) ISOPROPYLBENZENE          | 9.032  | 105  | 11261    | 1.05 | UG/L   | 93       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.575  | 53   | 696      | 1.04 | UG/L   | 96       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 2469     | 1.02 | UG/L # | 96       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.882  | 53   | 551m     | 0.86 | UG/L   |          |
| 82) BROMOBENZENE              | 9.180  | 77   | 4076     | 1.02 | UG/L   | 91       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.812  | 75   | 1987     | 1.09 | UG/L   | 92       |
| 84) N-PROPYLBENZENE           | 9.431  | 91   | 12310    | 1.02 | UG/L   | 96       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 6355     | 0.98 | UG/L   | 96       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 9120     | 1.02 | UG/L   | 100      |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 7614     | 1.07 | UG/L   | 92       |
| 89) TERT-BUTYLBENZENE         | 9.939  | 119  | 8007     | 1.12 | UG/L   | 98       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.059 | 105  | 8527     | 0.98 | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.137 | 105  | 11024    | 1.03 | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.145 | 146  | 4753     | 1.03 | UG/L   | 96       |
| 93) P-ISOPROPYLTOLUENE        | 10.329 | 119  | 8819     | 1.03 | UG/L   | 96       |
| 94) 1,4-DICHLOROBENZENE       | 10.209 | 146  | 5330     | 1.05 | UG/L # | 81       |
| 95) N-BUTYLBENZENE            | 10.694 | 91   | 8030     | 0.97 | UG/L   | 97       |
| 96) 1,2-DICHLOROBENZENE       | 10.510 | 146  | 4296     | 1.05 | UG/L   | 98       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.937 | 75   | 250m     | 0.84 | UG/L   |          |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.704 | 180  | 2875     | 0.97 | UG/L   | 99       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.175 | 180  | 2206     | 0.97 | UG/L   | 99       |
| 100) HEXACHLOROBUTADIENE      | 12.499 | 225  | 1412     | 0.99 | UG/L # | 44       |
| 101) NAPHTHALENE              | 12.384 | 128  | 3649     | 0.91 | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.568 | 180  | 1371     | 0.88 | UG/L   | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Inst : GCMSV0A5

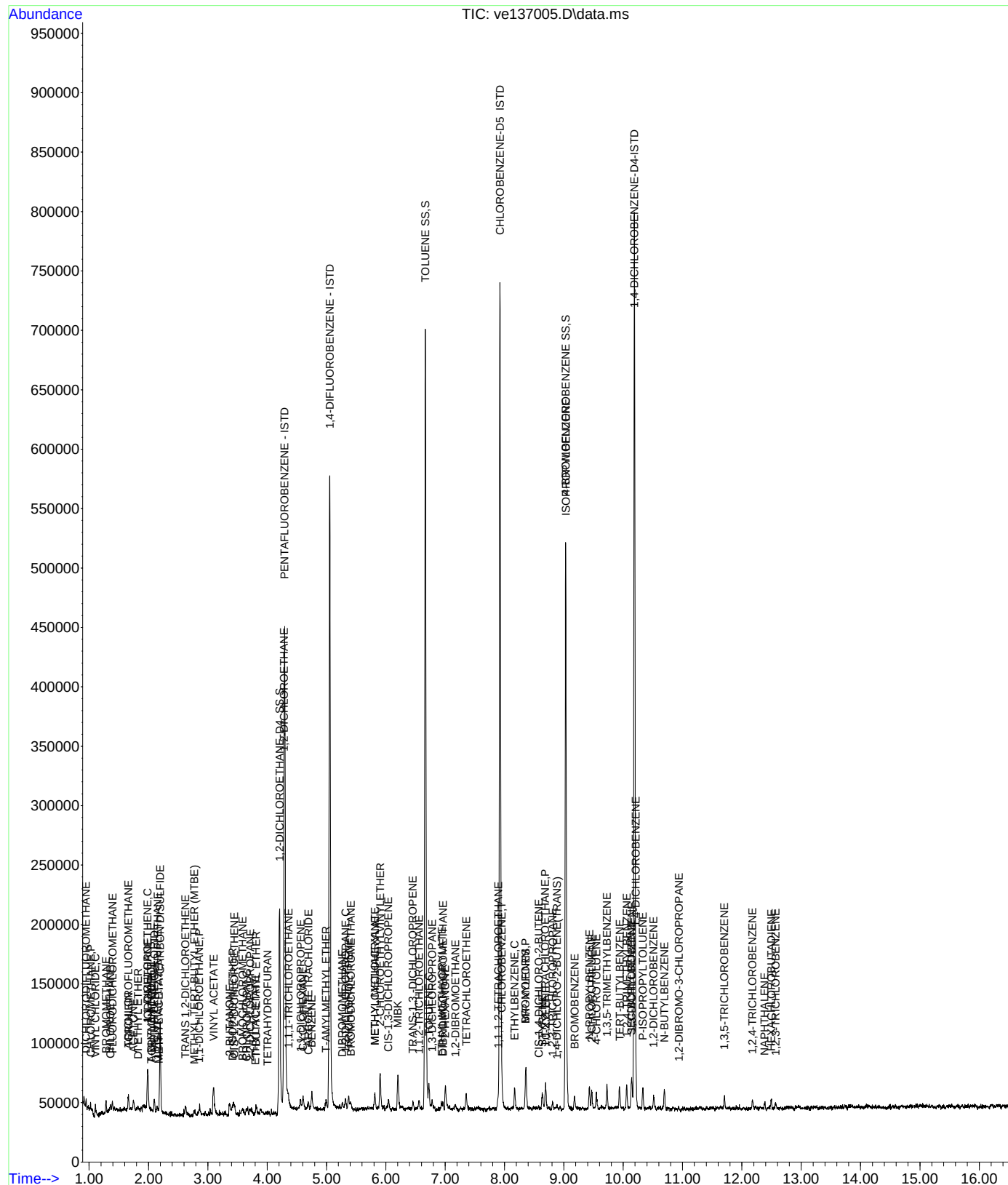
Quant Time: May 20 08:52:37 2013

Quant Method : C:\msdchem\1\METHODS\E050613W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Tue May 07 06:36:19 2013

Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137006.D  
 Acq On : 17 May 2013 8:31 am  
 Operator :  
 Sample : 8260STD 2.0PPB 1305059  
 Misc : 1  
 ALS Vial : 6 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:32:52 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards            |                |      |            |          |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295          | 168  | 274478     | 30.00    | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056          | 114  | 384546     | 30.00    | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.923          | 82   | 177510     | 30.00    | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190         | 152  | 182003     | 30.00    | UG/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.208          | 65   | 108686     | 25.68    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 102.72%  |        |          |
| 48) TOLUENE SS                | 6.665          | 98   | 370676     | 24.46    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 97.84%   |        |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.030          | 95   | 134943     | 25.00    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 100.00%  |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          |        | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948          | 85   | 6660       | 1.92     | UG/L   | 98       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000          |      | 0          | N.D.     |        |          |
| 5) CHLOROMETHANE              | 1.026          | 50   | 8162       | 2.66     | UG/L   | 95       |
| 6) VINYL CHLORIDE             | 1.107          | 62   | 6255       | 1.99     | UG/L   | 92       |
| 7) BROMOMETHANE               | 1.286          | 94   | 4893       | 4.05     | UG/L   | 92       |
| 8) CHLOROETHANE               | 1.358          | 64   | 3237       | 2.64     | UG/L # | 80       |
| 9) Ethanol                    | 1.832          | 45   | 2951       | No Calib | #      |          |
| 10) FLUORODICHLOROMETHANE     | 1.394          | 67   | 9547       | 2.11     | UG/L   | 90       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659          | 101  | 7642       | 2.05     | UG/L   | 92       |
| 12) DI ETHYL ETHER            | 1.827          | 59   | 3392       | 1.91     | UG/L # | 85       |
| 13) ACROLEIN                  | 1.668          | 56   | 7446       | 17.94    | UG/L   | 97       |
| 14) ACETONE                   | 1.746          | 43   | 13494      | 22.06    | UG/L   | 88       |
| 15) 1,1-DICHLOROETHENE        | 1.983          | 61   | 8029       | 1.96     | UG/L   | 95       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.150          | 101  | 4784       | 1.96     | UG/L   | 99       |
| 17) IODOMETHANE               | 1.988          | 142  | 47089      | 25.23    | UG/L   | 99       |
| 18) ALLYL CHLORIDE            | 2.100          | 41   | 500        | No Calib | #      |          |
| 19) METHYL ACETATE            | 2.172          | 43   | 3751       | 1.51     | UG/L # | 87       |
| 20) T-BUTYL ALCOHOL           | 2.050          | 59   | 2877       | 18.62    | UG/L # | 100      |
| 21) ACRYLONITRILE             | 2.053          | 53   | 1294       | 1.49     | UG/L   | 99       |
| 22) METHYLENE CHLORIDE        | 2.100          | 49   | 8731       | 2.37     | UG/L # | 87       |
| 23) CARBON DISULFIDE          | 2.198          | 76   | 171165     | 21.11    | UG/L   | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.772          | 73   | 9847       | 1.74     | UG/L # | 88       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627          | 61   | 7349       | 1.97     | UG/L   | 97       |
| 26) 1,1-DICHLOROETHANE        | 2.858          | 63   | 9258       | 1.91     | UG/L   | 97       |
| 27) PROPIONITRILE             | 0.000          |      | 0          | N.D.     |        |          |
| 28) VINYL ACETATE             | 3.093          | 43   | 84114      | 16.49    | UG/L   | 99       |
| 29) CHLOROPRENE               | 0.000          |      | 0          | N.D.     |        |          |
| 30) DI ISOPROYL ETHER         | 3.416          | 45   | 13500      | 1.84     | UG/L   | 98       |
| 31) 2-BUTANONE                | 3.358          | 43   | 13593      | 14.69    | UG/L   | 98       |
| 32) METHACRYLONITRILE         | 3.712          | 41   | 4316       | No Calib |        |          |
| 33) T-BUTYL ETHYL ETHER       | 3.821          | 59   | 11781      | 1.79     | UG/L   | 95       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.444          | 61   | 7762       | 1.99     | UG/L   | 92       |
| 35) 2,2-DICHLOROPROPANE       | 3.717          | 77   | 7443       | 1.99     | UG/L   | 96       |
| 36) ETHYL ACETATE             | 3.790          | 43   | 2599m      | 1.43     | UG/L   |          |
| 37) BROMOCHLOROMETHANE        | 3.592          | 49   | 4283       | 1.85     | UG/L # | 71       |
| 38) TETRAHYDROFURAN           | 3.991          | 42   | 1012m      | 1.68     | UG/L   |          |
| 39) CHLOROFORM                | 3.659          | 83   | 9103       | 1.94     | UG/L   | 94       |
| 40) ISOBUTANOL                | 3.776          | 43   | 1091       | No Calib | #      |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.359          | 97   | 7805       | 1.96     | UG/L # | 82       |
| 42) CYCLOHEXANE               | 4.604          | 56   | 8363       | 1.84     | UG/L # | 80       |
| 43) CARBON TETRACHLORIDE      | 4.693          | 117  | 6932       | 1.98     | UG/L   | 99       |
| 44) 1,1-DICHLOROPROPENE       | 4.559          | 75   | 7650       | 2.00     | UG/L   | 95       |
| 45) BENZENE                   | 4.752          | 78   | 20046      | 1.85     | UG/L   | 100      |
| 46) T-AMYL METHYL ETHER       | 4.997          | 73   | 9849       | 1.69     | UG/L   | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.283          | 62   | 6859       | 2.05     | UG/L # | 1        |
| 50) METHYL METHACRYLATE       | 5.817          | 41   | 3482       | 1.91     | UG/L # | 74       |
| 51) TRICHLOROETHENE           | 5.371          | 95   | 5789       | 2.09     | UG/L   | 97       |
| 52) METHYLCYCLOHEXANE         | 5.817          | 83   | 8004       | 1.93     | UG/L   | 87       |

Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137006.D  
 Acq On : 17 May 2013 8:31 am  
 Operator :  
 Sample : 8260STD 2.0PPB 1305059  
 Misc : 1  
 ALS Vial : 6 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:32:52 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.321  | 63   | 5180     | 1.82  | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.265  | 93   | 2928     | 1.91  | UG/L   | 95       |
| 55) 1,4-DIOXANE               | 0.000  |      | 0        | N.D.  |        |          |
| 56) BROMODICHLOROMETHANE      | 5.404  | 83   | 6818     | 2.02  | UG/L   | 98       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.904  | 63   | 24124    | 15.24 | UG/L   | 96       |
| 58) MIBK                      | 6.202  | 43   | 37080    | 18.44 | UG/L   | 94       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.040  | 75   | 7590     | 1.85  | UG/L   | 92       |
| 60) TOLUENE                   | 6.726  | 91   | 22101    | 2.05  | UG/L   | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.459  | 75   | 5882     | 1.80  | UG/L   | 95       |
| 62) ETHYL METHACRYLATE        | 6.938  | 69   | 4823     | 1.78  | UG/L   | 99       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 4064     | 1.92  | UG/L   | 98       |
| 64) 2-HEXANONE                | 7.002  | 43   | 23441    | 16.73 | UG/L   | 91       |
| 65) TETRACHLOROETHENE         | 7.354  | 166  | 6520     | 2.11  | UG/L   | 96       |
| 66) 1,3-DICHLOROPROPANE       | 6.782  | 76   | 6801     | 1.96  | UG/L   | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 4787     | 1.95  | UG/L   | 96       |
| 68) 1,2-DIBROMOETHANE         | 7.172  | 107  | 4364     | 1.95  | UG/L # | 96       |
| 71) CHLOROBENZENE             | 7.953  | 112  | 13664    | 2.23  | UG/L   | 100      |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.892  | 131  | 4749     | 2.13  | UG/L # | 1        |
| 73) ETHYLBENZENE              | 8.174  | 91   | 24134    | 2.16  | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.360  | 91   | 36795    | 4.34  | UG/L   | 97       |
| 75) O-XYLENE                  | 8.695  | 91   | 17791    | 2.19  | UG/L   | 95       |
| 76) STYRENE                   | 8.639  | 104  | 13714    | 2.10  | UG/L   | 95       |
| 77) BROMOFORM                 | 8.355  | 173  | 3011     | 1.92  | UG/L # | 59       |
| 78) ISOPROPYLBENZENE          | 9.032  | 105  | 22749    | 2.15  | UG/L   | 95       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.581  | 53   | 1111     | 1.67  | UG/L # | 74       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.687  | 83   | 4755     | 1.98  | UG/L   | 97       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.882  | 53   | 1032     | 1.64  | UG/L # | 34       |
| 82) BROMOBENZENE              | 9.177  | 77   | 8418     | 2.14  | UG/L   | 94       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.807  | 75   | 3697     | 2.06  | UG/L   | 91       |
| 84) N-PROPYLBENZENE           | 9.428  | 91   | 24386    | 2.05  | UG/L   | 96       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 14730    | 2.30  | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 18963    | 2.15  | UG/L   | 98       |
| 87) 4-CHLOROTOLUENE           | 9.546  | 91   | 15345    | 2.19  | UG/L   | 96       |
| 89) TERT-BUTYLBENZENE         | 9.936  | 119  | 15658    | 2.11  | UG/L   | 97       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.059 | 105  | 18648    | 2.06  | UG/L   | 97       |
| 91) SEC-BUTYLBENZENE          | 10.140 | 105  | 23631    | 2.13  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.148 | 146  | 10376    | 2.15  | UG/L   | 98       |
| 93) P-ISOPROPYLTOLUENE        | 10.329 | 119  | 18045    | 2.02  | UG/L   | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.215 | 146  | 11249    | 2.13  | UG/L # | 84       |
| 95) N-BUTYLBENZENE            | 10.692 | 91   | 16681    | 1.93  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 9149     | 2.15  | UG/L   | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.932 | 75   | 515      | 1.66  | UG/L   | 94       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.704 | 180  | 6076     | 1.96  | UG/L   | 94       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.178 | 180  | 4382     | 1.84  | UG/L   | 96       |
| 100) HEXACHLOROBUTADIENE      | 12.496 | 225  | 3110     | 2.08  | UG/L   | 93       |
| 101) NAPHTHALENE              | 12.387 | 128  | 6670     | 1.59  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.571 | 180  | 2822     | 1.74  | UG/L   | 88       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



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Quant Time: May 20 08:32:52 2013  
Quant Method : C:\msdchem\1\METHODS\E050613W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
Qlast Update : Tue May 07 06:36:19 2013  
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137007.D  
 Acq On : 17 May 2013 8:57 am  
 Operator :  
 Sample : 8260STD 5.0PPB 1305059  
 Misc : 1  
 ALS Vial : 7 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:34:06 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|---------|----------|
| Internal Standards            |          |       |          |          |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295    | 168   | 273336   | 30.00    | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 376050   | 30.00    | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.923    | 82    | 178984   | 30.00    | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.193   | 152   | 177670   | 30.00    | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |          |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.208    | 65    | 106552   | 25.28    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 101.12% |          |
| 48) TOLUENE SS                | 6.668    | 98    | 362585   | 24.47    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 97.88%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.033    | 95    | 131459   | 24.16    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.64%  |          |
| Target Compounds              |          |       |          |          |         |          |
|                               |          |       |          |          |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 15961    | 4.62     | UG/L    | 100      |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |         |          |
| 5) CHLOROMETHANE              | 1.024    | 50    | 14404    | 4.71     | UG/L    | 98       |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 14069    | 4.50     | UG/L    | 92       |
| 7) BROMOMETHANE               | 1.283    | 94    | 10207    | 8.48     | UG/L    | 95       |
| 8) CHLOROETHANE               | 1.358    | 64    | 7464     | 6.10     | UG/L #  | 79       |
| 9) Ethanol                    | 1.827    | 45    | 6937     | No Calib | #       |          |
| 10) FLUORODICHLOROMETHANE     | 1.392    | 67    | 23314    | 5.18     | UG/L    | 89       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 19387    | 5.21     | UG/L    | 98       |
| 12) DI ETHYL ETHER            | 1.827    | 59    | 8630     | 4.89     | UG/L #  | 87       |
| 13) ACROLEIN                  | 1.665    | 56    | 22268    | 53.87    | UG/L    | 100      |
| 14) ACETONE                   | 1.749    | 43    | 35385    | 58.10    | UG/L #  | 88       |
| 15) 1,1-DICHLOROETHENE        | 1.983    | 61    | 19691    | 4.84     | UG/L    | 97       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.147    | 101   | 11750    | 4.83     | UG/L    | 97       |
| 17) IODOMETHANE               | 1.988    | 142   | 131044   | 44.09    | UG/L    | 97       |
| 18) ALLYL CHLORIDE            | 2.053    | 41    | 1441     | No Calib | #       |          |
| 19) METHYL ACETATE            | 2.175    | 43    | 11006    | 4.46     | UG/L #  | 86       |
| 20) T-BUTYL ALCOHOL           | 2.050    | 59    | 8772     | 57.00    | UG/L #  | 95       |
| 21) ACRYLONITRILE             | 2.050    | 53    | 4097     | 4.73     | UG/L    | 95       |
| 22) METHYLENE CHLORIDE        | 2.097    | 49    | 17428    | 4.75     | UG/L #  | 81       |
| 23) CARBON DISULFIDE          | 2.195    | 76    | 412322   | 51.06    | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.775    | 73    | 25524    | 4.54     | UG/L    | 90       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627    | 61    | 16384    | 4.42     | UG/L    | 94       |
| 26) 1,1-DICHLOROETHANE        | 2.858    | 63    | 21479    | 4.46     | UG/L    | 96       |
| 27) PROPIONITRILE             | 0.000    |       | 0        | N.D.     |         |          |
| 28) VINYL ACETATE             | 3.090    | 43    | 239419   | 47.14    | UG/L    | 100      |
| 29) CHLOROPRENE               | 0.000    |       | 0        | N.D.     |         |          |
| 30) DI ISOPROYL ETHER         | 3.425    | 45    | 32867    | 4.49     | UG/L    | 95       |
| 31) 2-BUTANONE                | 3.358    | 43    | 43276    | 46.98    | UG/L    | 93       |
| 32) METHACRYLONITRILE         | 3.715    | 41    | 9530     | No Calib | #       |          |
| 33) T-BUTYL ETHYL ETHER       | 3.823    | 59    | 28131    | 4.29     | UG/L    | 93       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.441    | 61    | 18803    | 4.84     | UG/L    | 93       |
| 35) 2,2-DICHLOROPROPANE       | 3.715    | 77    | 17269    | 4.65     | UG/L    | 100      |
| 36) ETHYL ACETATE             | 3.770    | 43    | 6566     | 3.62     | UG/L #  | 85       |
| 37) BROMOCHLOROMETHANE        | 3.589    | 49    | 9776     | 4.24     | UG/L    | 86       |
| 38) TETRAHYDROFURAN           | 3.991    | 42    | 2616     | 4.36     | UG/L #  | 90       |
| 39) CHLOROFORM                | 3.662    | 83    | 22006    | 4.70     | UG/L    | 97       |
| 40) ISOBUTANOL                | 3.770    | 43    | 6566     | No Calib | #       |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.362    | 97    | 18963    | 4.79     | UG/L    | 92       |
| 42) CYCLOHEXANE               | 4.607    | 56    | 20733    | 4.59     | UG/L #  | 76       |
| 43) CARBON TETRACHLORIDE      | 4.691    | 117   | 17601    | 5.04     | UG/L    | 97       |
| 44) 1,1-DICHLOROPROPENE       | 4.562    | 75    | 18069    | 4.74     | UG/L    | 97       |
| 45) BENZENE                   | 4.749    | 78    | 51628    | 4.79     | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.997    | 73    | 25122    | 4.33     | UG/L    | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.286    | 62    | 16135    | 4.93     | UG/L #  | 28       |
| 50) METHYL METHACRYLATE       | 5.812    | 41    | 8725     | 4.90     | UG/L #  | 71       |
| 51) TRICHLOROETHENE           | 5.374    | 95    | 13763    | 5.08     | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 20665    | 5.08     | UG/L #  | 86       |

Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137007.D  
 Acq On : 17 May 2013 8:57 am  
 Operator :  
 Sample : 8260STD 5.0PPB 1305059  
 Misc : 1  
 ALS Vial : 7 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:34:06 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.318  | 63   | 12560    | 4.51  | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.268  | 93   | 7669     | 5.12  | UG/L   | 93       |
| 55) 1,4-DIOXANE               | 5.583  | 88   | 850m     | 41.05 | UG/L   |          |
| 56) BROMODICHLOROMETHANE      | 5.407  | 83   | 17164    | 5.21  | UG/L   | 98       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.904  | 63   | 69460    | 44.88 | UG/L   | 100      |
| 58) MIBK                      | 6.202  | 43   | 106832   | 54.34 | UG/L   | 95       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.040  | 75   | 19294    | 4.81  | UG/L   | 94       |
| 60) TOLUENE                   | 6.726  | 91   | 52508    | 4.97  | UG/L   | 99       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.456  | 75   | 15438    | 4.84  | UG/L   | 96       |
| 62) ETHYL METHACRYLATE        | 6.938  | 69   | 13811    | 5.23  | UG/L   | 91       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 10892    | 5.26  | UG/L   | 100      |
| 64) 2-HEXANONE                | 7.000  | 43   | 75228    | 54.92 | UG/L   | 93       |
| 65) TETRACHLOROETHENE         | 7.357  | 166  | 16479    | 5.47  | UG/L   | 98       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 17025    | 5.01  | UG/L   | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 12955    | 5.39  | UG/L   | 98       |
| 68) 1,2-DIBROMOETHANE         | 7.170  | 107  | 11682    | 5.33  | UG/L # | 99       |
| 71) CHLOROBENZENE             | 7.951  | 112  | 33703    | 5.46  | UG/L   | 94       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.889  | 131  | 11838    | 5.26  | UG/L   | 95       |
| 73) ETHYLBENZENE              | 8.171  | 91   | 60073    | 5.34  | UG/L   | 93       |
| 74) M/P-XYLENES               | 8.358  | 91   | 93187    | 10.90 | UG/L   | 97       |
| 75) O-XYLENE                  | 8.698  | 91   | 43781    | 5.35  | UG/L   | 95       |
| 76) STYRENE                   | 8.639  | 104  | 35496    | 5.40  | UG/L   | 98       |
| 77) BROMOFORM                 | 8.358  | 173  | 9363     | 5.92  | UG/L # | 99       |
| 78) ISOPROPYLBENZENE          | 9.035  | 105  | 56112    | 5.27  | UG/L   | 95       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.575  | 53   | 3538     | 5.28  | UG/L # | 82       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 14273    | 5.89  | UG/L # | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.885  | 53   | 2914     | 4.59  | UG/L # | 73       |
| 82) BROMOBENZENE              | 9.178  | 77   | 20458    | 5.15  | UG/L   | 96       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.804  | 75   | 10325    | 5.70  | UG/L   | 89       |
| 84) N-PROPYLBENZENE           | 9.431  | 91   | 63472    | 5.30  | UG/L   | 98       |
| 85) 2-CHLOROTOLUENE           | 9.473  | 91   | 35686    | 5.54  | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 48215    | 5.43  | UG/L   | 96       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 35480    | 5.02  | UG/L   | 100      |
| 89) TERT-BUTYLBENZENE         | 9.942  | 119  | 39261    | 5.42  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.062 | 105  | 46352    | 5.24  | UG/L   | 97       |
| 91) SEC-BUTYLBENZENE          | 10.140 | 105  | 55102    | 5.08  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.151 | 146  | 24827    | 5.27  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.332 | 119  | 45217    | 5.19  | UG/L   | 97       |
| 94) 1,4-DICHLOROBENZENE       | 10.215 | 146  | 28270    | 5.48  | UG/L   | 95       |
| 95) N-BUTYLBENZENE            | 10.695 | 91   | 42812    | 5.06  | UG/L   | 95       |
| 96) 1,2-DICHLOROBENZENE       | 10.519 | 146  | 23254    | 5.59  | UG/L   | 97       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.940 | 75   | 1624     | 5.36  | UG/L   | 94       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 16054    | 5.29  | UG/L   | 98       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.181 | 180  | 13408    | 5.77  | UG/L   | 95       |
| 100) HEXACHLOROBUTADIENE      | 12.496 | 225  | 8234     | 5.64  | UG/L   | 98       |
| 101) NAPHTHALENE              | 12.387 | 128  | 23565    | 5.77  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.571 | 180  | 9005     | 5.67  | UG/L   | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 08:34:06 2013  
Quant Method : C:\msdchem\1\METHODS\E050613W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Tue May 07 06:36:19 2013  
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137008.D  
 Acq On : 17 May 2013 9:24 am  
 Operator :  
 Sample : 8260STD 10PPB 1305059  
 Misc : 1  
 ALS Vial : 8 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:35:03 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|---------|----------|
| Internal Standards            |          |       |          |          |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.297    | 168   | 273820   | 30.00    | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 372238   | 30.00    | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.925    | 82    | 170912   | 30.00    | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190   | 152   | 178668   | 30.00    | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |          |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.211    | 65    | 102315   | 24.23    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.92%  |          |
| 48) TOLUENE SS                | 6.668    | 98    | 358647   | 24.45    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 97.80%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.032    | 95    | 130343   | 25.08    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 100.32% |          |
| Target Compounds              |          |       |          |          |         |          |
|                               |          |       |          |          |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 32012    | 9.25     | UG/L    | 98       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |         |          |
| 5) CHLOROMETHANE              | 1.023    | 50    | 29652    | 9.68     | UG/L    | 99       |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 29262    | 9.34     | UG/L    | 93       |
| 7) BROMOMETHANE               | 1.286    | 94    | 17722    | 14.70    | UG/L    | 96       |
| 8) CHLOROETHANE               | 1.361    | 64    | 14869    | 12.14    | UG/L #  | 85       |
| 9) Ethanol                    | 1.829    | 45    | 12638    | No Calib | #       |          |
| 10) FLUORODICHLOROMETHANE     | 1.394    | 67    | 46410    | 10.29    | UG/L    | 91       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 39212    | 10.52    | UG/L    | 97       |
| 12) DI ETHYL ETHER            | 1.827    | 59    | 16736    | 9.46     | UG/L #  | 90       |
| 13) ACROLEIN                  | 1.665    | 56    | 42763    | 103.27   | UG/L    | 99       |
| 14) ACETONE                   | 1.749    | 43    | 67672    | 110.92   | UG/L    | 91       |
| 15) 1,1-DICHLOROETHENE        | 1.986    | 61    | 37594    | 9.22     | UG/L    | 97       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.150    | 101   | 23222    | 9.52     | UG/L    | 97       |
| 17) IODOMETHANE               | 1.991    | 142   | 293792   | 80.44    | UG/L    | 97       |
| 18) ALLYL CHLORIDE            | 2.097    | 41    | 1448     | No Calib | #       |          |
| 19) METHYL ACETATE            | 2.172    | 43    | 21472    | 8.68     | UG/L #  | 90       |
| 20) T-BUTYL ALCOHOL           | 2.050    | 59    | 15527    | 100.71   | UG/L #  | 82       |
| 21) ACRYLONITRILE             | 2.055    | 53    | 8195     | 9.44     | UG/L    | 100      |
| 22) METHYLENE CHLORIDE        | 2.100    | 49    | 33699    | 9.17     | UG/L #  | 83       |
| 23) CARBON DISULFIDE          | 2.197    | 76    | 808004   | 99.88    | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.775    | 73    | 52518    | 9.32     | UG/L #  | 89       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.630    | 61    | 34246    | 9.22     | UG/L    | 94       |
| 26) 1,1-DICHLOROETHANE        | 2.858    | 63    | 44511    | 9.22     | UG/L    | 96       |
| 27) PROPIONITRILE             | 0.000    |       | 0        | N.D.     |         |          |
| 28) VINYL ACETATE             | 3.093    | 43    | 463618   | 91.13    | UG/L    | 99       |
| 29) CHLOROPRENE               | 0.000    |       | 0        | N.D.     |         |          |
| 30) DI ISOPROYL ETHER         | 3.422    | 45    | 61641    | 8.41     | UG/L    | 93       |
| 31) 2-BUTANONE                | 3.355    | 43    | 91721    | 99.39    | UG/L    | 95       |
| 32) METHACRYLONITRILE         | 3.717    | 41    | 19298    | No Calib | #       |          |
| 33) T-BUTYL ETHYL ETHER       | 3.815    | 59    | 57441    | 8.73     | UG/L #  | 94       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.441    | 61    | 34937    | 8.98     | UG/L    | 90       |
| 35) 2,2-DICHLOROPROPANE       | 3.720    | 77    | 34672    | 9.31     | UG/L    | 99       |
| 36) ETHYL ACETATE             | 3.770    | 43    | 15568    | 8.56     | UG/L #  | 93       |
| 37) BROMOCHLOROMETHANE        | 3.586    | 49    | 19790    | 8.57     | UG/L    | 90       |
| 38) TETRAHYDROFURAN           | 3.988    | 42    | 5196     | 8.64     | UG/L #  | 90       |
| 39) CHLOROFORM                | 3.662    | 83    | 42972    | 9.16     | UG/L    | 96       |
| 40) ISOBUTANOL                | 3.770    | 43    | 15568    | No Calib | #       |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.359    | 97    | 39152    | 9.86     | UG/L    | 94       |
| 42) CYCLOHEXANE               | 4.604    | 56    | 40913    | 9.04     | UG/L #  | 81       |
| 43) CARBON TETRACHLORIDE      | 4.696    | 117   | 35309    | 10.10    | UG/L    | 95       |
| 44) 1,1-DICHLOROPROPENE       | 4.562    | 75    | 35792    | 9.37     | UG/L    | 97       |
| 45) BENZENE                   | 4.752    | 78    | 98471    | 9.13     | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.995    | 73    | 50913    | 8.75     | UG/L    | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.286    | 62    | 30046    | 9.27     | UG/L #  | 77       |
| 50) METHYL METHACRYLATE       | 5.817    | 41    | 17372    | 9.86     | UG/L #  | 71       |
| 51) TRICHLOROETHENE           | 5.371    | 95    | 27906    | 10.41    | UG/L    | 98       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 40327    | 10.02    | UG/L #  | 87       |

Data Path : C:\msdchem\1\DATA\051713\  
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 Acq On : 17 May 2013 9:24 am  
 Operator :  
 Sample : 8260STD 10PPB 1305059  
 Misc : 1  
 ALS Vial : 8 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:35:03 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.321  | 63   | 25453    | 9.24   | UG/L # | 93       |
| 54) DIBROMOMETHANE            | 5.268  | 93   | 14982    | 10.11  | UG/L   | 94       |
| 55) 1,4-DIOXANE               | 5.575  | 88   | 2068m    | 100.90 | UG/L   |          |
| 56) BROMODICHLOROMETHANE      | 5.407  | 83   | 32855    | 10.07  | UG/L   | 94       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.904  | 63   | 147377   | 96.20  | UG/L   | 98       |
| 58) MIBK                      | 6.202  | 43   | 215738   | 110.86 | UG/L   | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.040  | 75   | 39580    | 9.97   | UG/L   | 94       |
| 60) TOLUENE                   | 6.729  | 91   | 107129   | 10.24  | UG/L   | 99       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.459  | 75   | 31948    | 10.12  | UG/L   | 92       |
| 62) ETHYL METHACRYLATE        | 6.935  | 69   | 26515    | 10.14  | UG/L   | 96       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 21640    | 10.55  | UG/L   | 100      |
| 64) 2-HEXANONE                | 7.000  | 43   | 150573   | 111.05 | UG/L   | 94       |
| 65) TETRACHLOROETHENE         | 7.356  | 166  | 32278    | 10.82  | UG/L   | 99       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 34805    | 10.34  | UG/L   | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 25668    | 10.78  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.170  | 107  | 22500    | 10.37  | UG/L   | 99       |
| 71) CHLOROBENZENE             | 7.950  | 112  | 65122    | 11.05  | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.895  | 131  | 23584    | 10.98  | UG/L   | 92       |
| 73) ETHYLBENZENE              | 8.171  | 91   | 119250   | 11.11  | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.360  | 91   | 179483   | 21.99  | UG/L   | 97       |
| 75) O-XYLENE                  | 8.695  | 91   | 85319    | 10.92  | UG/L   | 95       |
| 76) STYRENE                   | 8.636  | 104  | 70609    | 11.25  | UG/L   | 100      |
| 77) BROMOFORM                 | 8.358  | 173  | 17808    | 11.80  | UG/L # | 98       |
| 78) ISOPROPYLBENZENE          | 9.035  | 105  | 114164   | 11.23  | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.575  | 53   | 6811     | 10.65  | UG/L # | 80       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.681  | 83   | 26274    | 11.35  | UG/L   | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.879  | 53   | 6414     | 10.58  | UG/L # | 85       |
| 82) BROMOBENZENE              | 9.177  | 77   | 40422    | 10.66  | UG/L   | 96       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.809  | 75   | 20008    | 11.56  | UG/L   | 91       |
| 84) N-PROPYLBENZENE           | 9.428  | 91   | 128283   | 11.22  | UG/L   | 98       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 73191    | 11.89  | UG/L   | 96       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 96398    | 11.37  | UG/L   | 98       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 72692    | 10.77  | UG/L   | 97       |
| 89) TERT-BUTYLBENZENE         | 9.939  | 119  | 81604    | 11.20  | UG/L   | 100      |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.061 | 105  | 92414    | 10.40  | UG/L   | 97       |
| 91) SEC-BUTYLBENZENE          | 10.140 | 105  | 115472   | 10.58  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.148 | 146  | 50621    | 10.69  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.332 | 119  | 96355    | 10.99  | UG/L   | 97       |
| 94) 1,4-DICHLOROBENZENE       | 10.215 | 146  | 55627    | 10.71  | UG/L   | 97       |
| 95) N-BUTYLBENZENE            | 10.692 | 91   | 89038    | 10.47  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 46103    | 11.03  | UG/L   | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.932 | 75   | 3261     | 10.70  | UG/L   | 96       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 31981    | 10.49  | UG/L   | 97       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.178 | 180  | 25630    | 10.97  | UG/L   | 98       |
| 100) HEXACHLOROBUTADIENE      | 12.493 | 225  | 16350    | 11.14  | UG/L   | 93       |
| 101) NAPHTHALENE              | 12.387 | 128  | 46501    | 11.31  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.568 | 180  | 17995    | 11.27  | UG/L   | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

147

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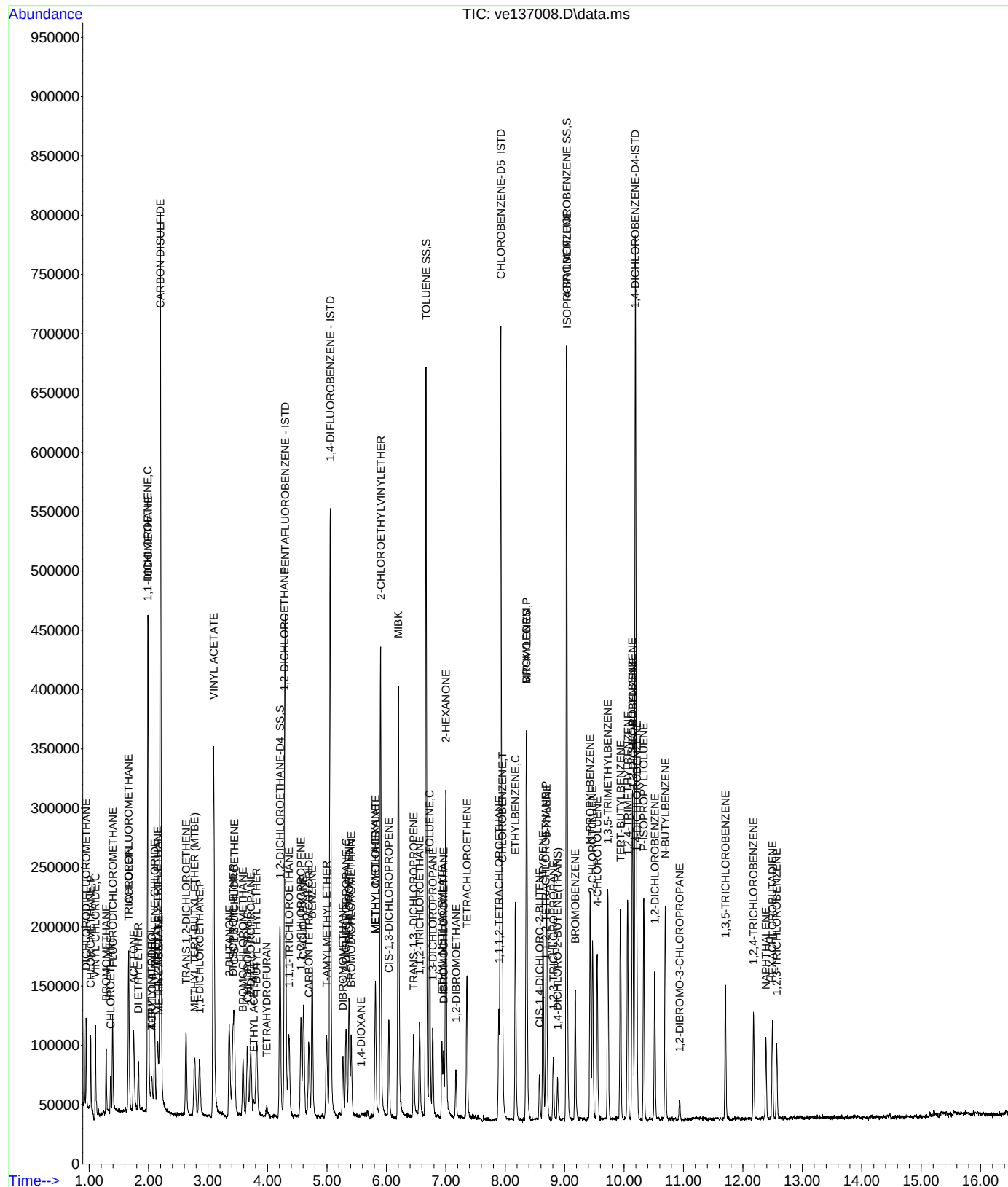
Quant Time: May 20 08:35:03 2013

Quant Method : C:\msdchem\1\METHODS\E050613W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Tue May 07 06:36:19 2013

Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137009.D  
 Acq On : 17 May 2013 9:50 am  
 Operator :  
 Sample : 8260STD 20PPB 1305059  
 Misc : 1  
 ALS Vial : 9 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:35:57 2013  
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|--------|----------|
| Internal Standards            |          |       |          |          |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295    | 168   | 269452   | 30.00    | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 370531   | 30.00    | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.923    | 82    | 175872   | 30.00    | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190   | 152   | 175453   | 30.00    | UG/L   | 0.00     |
| System Monitoring Compounds   |          |       |          |          |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.208    | 65    | 100595   | 24.21    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.84% |          |
| 48) TOLUENE SS                | 6.668    | 98    | 362703   | 24.84    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 99.36% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.030    | 95    | 130972   | 24.50    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 98.00% |          |
| Target Compounds              |          |       |          |          |        |          |
|                               |          |       |          |          |        | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 63978    | 18.79    | UG/L   | 98       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |        |          |
| 5) CHLOROMETHANE              | 1.024    | 50    | 51311    | 17.03    | UG/L   | 100      |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 60422    | 19.60    | UG/L   | 97       |
| 7) BROMOMETHANE               | 1.286    | 94    | 31538    | 26.58    | UG/L   | 93       |
| 8) CHLOROETHANE               | 1.361    | 64    | 27725    | 22.99    | UG/L # | 83       |
| 9) Ethanol                    | 1.827    | 45    | 26717    | No Calib | #      |          |
| 10) FLUORODICHLOROMETHANE     | 1.392    | 67    | 97206    | 21.91    | UG/L   | 93       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 79584    | 21.70    | UG/L   | 98       |
| 12) DI ETHYL ETHER            | 1.829    | 59    | 33209    | 19.08    | UG/L # | 88       |
| 13) ACROLEIN                  | 1.665    | 56    | 78831    | 193.46   | UG/L   | 99       |
| 14) ACETONE                   | 1.746    | 43    | 121541   | 202.44   | UG/L   | 90       |
| 15) 1,1-DICHLOROETHENE        | 1.983    | 61    | 79018    | 19.70    | UG/L   | 97       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.150    | 101   | 49030    | 20.43    | UG/L   | 99       |
| 17) IODOMETHANE               | 1.988    | 142   | 677389   | 168.69   | UG/L   | 96       |
| 18) ALLYL CHLORIDE            | 2.100    | 41    | 3264     | No Calib | #      |          |
| 19) METHYL ACETATE            | 2.172    | 43    | 40793    | 16.75    | UG/L   | 97       |
| 20) T-BUTYL ALCOHOL           | 2.050    | 59    | 27766    | 183.01   | UG/L # | 97       |
| 21) ACRYLONITRILE             | 2.050    | 53    | 14587    | 17.08    | UG/L   | 99       |
| 22) METHYLENE CHLORIDE        | 2.097    | 49    | 61249    | 16.93    | UG/L # | 76       |
| 23) CARBON DISULFIDE          | 2.198    | 76    | 1653861  | 207.75   | UG/L   | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.772    | 73    | 102854   | 18.54    | UG/L # | 88       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.630    | 61    | 68816    | 18.84    | UG/L   | 93       |
| 26) 1,1-DICHLOROETHANE        | 2.853    | 63    | 89765    | 18.90    | UG/L   | 95       |
| 27) PROPIONITRILE             | 0.000    |       | 0        | N.D.     |        |          |
| 28) VINYL ACETATE             | 3.093    | 43    | 966754   | 193.10   | UG/L   | 100      |
| 29) CHLOROPRENE               | 3.815    | 53    | 639      | No Calib | #      |          |
| 30) DI ISOPROYL ETHER         | 3.416    | 45    | 134689   | 18.67    | UG/L   | 93       |
| 31) 2-BUTANONE                | 3.355    | 43    | 177744   | 195.73   | UG/L   | 95       |
| 32) METHACRYLONITRILE         | 3.717    | 41    | 39410    | No Calib | #      |          |
| 33) T-BUTYL ETHYL ETHER       | 3.818    | 59    | 115775   | 17.89    | UG/L # | 93       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.441    | 61    | 74213    | 19.38    | UG/L   | 90       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 72281    | 19.73    | UG/L   | 99       |
| 36) ETHYL ACETATE             | 3.768    | 43    | 30436    | 17.00    | UG/L # | 93       |
| 37) BROMOCHLOROMETHANE        | 3.586    | 49    | 40637    | 17.88    | UG/L   | 86       |
| 38) TETRAHYDROFURAN           | 3.982    | 42    | 10105    | 17.08    | UG/L   | 96       |
| 39) CHLOROFORM                | 3.659    | 83    | 91683    | 19.87    | UG/L   | 98       |
| 40) ISOBUTANOL                | 3.768    | 43    | 30436    | No Calib | #      |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.359    | 97    | 83279    | 21.32    | UG/L   | 96       |
| 42) CYCLOHEXANE               | 4.607    | 56    | 87102    | 19.55    | UG/L # | 81       |
| 43) CARBON TETRACHLORIDE      | 4.691    | 117   | 74316    | 21.60    | UG/L   | 98       |
| 44) 1,1-DICHLOROPROPENE       | 4.562    | 75    | 76835    | 20.43    | UG/L   | 97       |
| 45) BENZENE                   | 4.752    | 78    | 209767   | 19.76    | UG/L   | 100      |
| 46) T-AMYL METHYL ETHER       | 4.995    | 73    | 107013   | 18.69    | UG/L   | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.283    | 62    | 62680    | 19.42    | UG/L   | 93       |
| 50) METHYL METHACRYLATE       | 5.814    | 41    | 34741    | 19.81    | UG/L # | 72       |
| 51) TRICHLOROETHENE           | 5.368    | 95    | 56826    | 21.30    | UG/L   | 96       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 83248    | 20.79    | UG/L   | 87       |



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 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.318  | 63   | 53424    | 19.48  | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.268  | 93   | 30818    | 20.89  | UG/L   | 96       |
| 55) 1,4-DIOXANE               | 5.569  | 88   | 3977m    | 194.95 | UG/L   |          |
| 56) BROMODICHLOROMETHANE      | 5.407  | 83   | 73401    | 22.59  | UG/L   | 98       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.904  | 63   | 276627   | 181.40 | UG/L   | 99       |
| 58) MIBK                      | 6.199  | 43   | 396737   | 204.81 | UG/L   | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.040  | 75   | 83750    | 21.20  | UG/L   | 96       |
| 60) TOLUENE                   | 6.726  | 91   | 230376   | 22.13  | UG/L   | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.456  | 75   | 69716    | 22.18  | UG/L   | 95       |
| 62) ETHYL METHACRYLATE        | 6.933  | 69   | 55385    | 21.27  | UG/L   | 95       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.556  | 97   | 45161    | 22.12  | UG/L   | 98       |
| 64) 2-HEXANONE                | 7.000  | 43   | 290015   | 214.88 | UG/L   | 92       |
| 65) TETRACHLOROETHENE         | 7.357  | 166  | 68503    | 23.06  | UG/L   | 98       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 73347    | 21.90  | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 55704    | 23.51  | UG/L   | 98       |
| 68) 1,2-DIBROMOETHANE         | 7.170  | 107  | 48136    | 22.30  | UG/L   | 98       |
| 71) CHLOROBENZENE             | 7.951  | 112  | 141865   | 23.40  | UG/L   | 100      |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.895  | 131  | 52432    | 23.71  | UG/L   | 97       |
| 73) ETHYLBENZENE              | 8.171  | 91   | 257542   | 23.31  | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.358  | 91   | 390107   | 46.44  | UG/L   | 98       |
| 75) O-XYLENE                  | 8.695  | 91   | 181091   | 22.52  | UG/L   | 96       |
| 76) STYRENE                   | 8.634  | 104  | 150131   | 23.24  | UG/L   | 100      |
| 77) BROMOFORM                 | 8.355  | 173  | 38410    | 24.74  | UG/L # | 97       |
| 78) ISOPROPYLBENZENE          | 9.033  | 105  | 240891   | 23.03  | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.572  | 53   | 13411    | 20.39  | UG/L # | 78       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 51103    | 21.46  | UG/L   | 100      |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.882  | 53   | 12099    | 19.39  | UG/L # | 81       |
| 82) BROMOBENZENE              | 9.178  | 77   | 87191    | 22.35  | UG/L   | 96       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.804  | 75   | 39540    | 22.20  | UG/L   | 89       |
| 84) N-PROPYLBENZENE           | 9.428  | 91   | 273128   | 23.22  | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 144846   | 22.87  | UG/L   | 100      |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 200440   | 22.97  | UG/L   | 98       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 154884   | 22.29  | UG/L   | 97       |
| 89) TERT-BUTYLBENZENE         | 9.939  | 119  | 167371   | 23.38  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.059 | 105  | 195608   | 22.41  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.137 | 105  | 247594   | 23.10  | UG/L   | 97       |
| 92) 1,3-DICHLOROBENZENE       | 10.145 | 146  | 106072   | 22.82  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.329 | 119  | 200238   | 23.25  | UG/L   | 98       |
| 94) 1,4-DICHLOROBENZENE       | 10.212 | 146  | 115012   | 22.56  | UG/L   | 98       |
| 95) N-BUTYLBENZENE            | 10.695 | 91   | 190196   | 22.78  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 96049    | 23.39  | UG/L   | 98       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.934 | 75   | 5869     | 19.60  | UG/L   | 94       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 69437    | 23.18  | UG/L   | 94       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.181 | 180  | 52703    | 22.97  | UG/L   | 95       |
| 100) HEXACHLOROBUTADIENE      | 12.496 | 225  | 34146    | 23.70  | UG/L   | 93       |
| 101) NAPHTHALENE              | 12.384 | 128  | 82496    | 20.44  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.569 | 180  | 32505    | 20.73  | UG/L   | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

150

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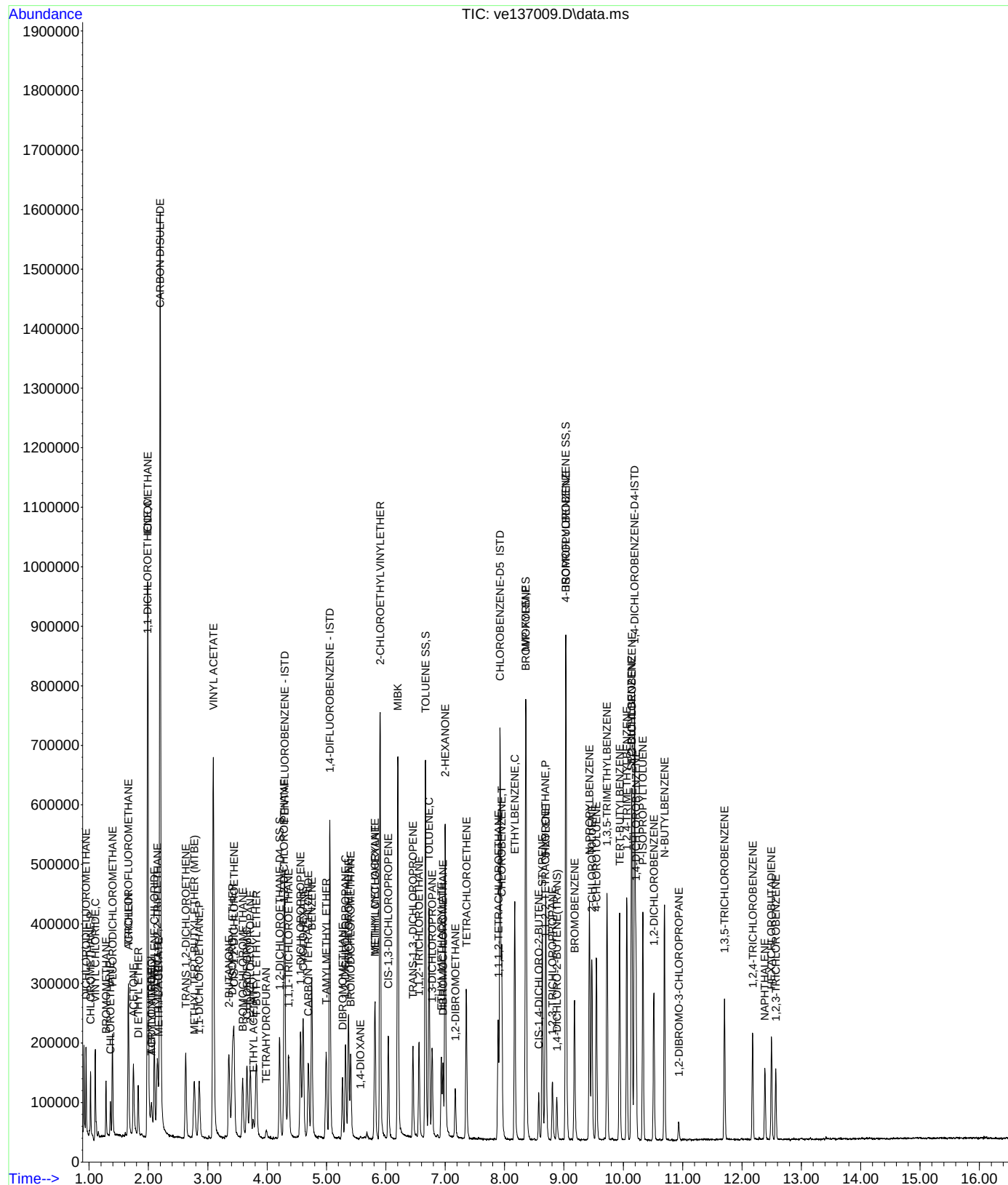
Quant Time: May 20 08:35:57 2013

Quant Method : C:\msdchem\1\METHODS\E050613W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Tue May 07 06:36:19 2013

Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\051713\  
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 Operator :  
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 Misc : 1  
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:36:53 2013  
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 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|--------|----------|
| Internal Standards            |          |       |          |          |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.294    | 168   | 265645   | 30.00    | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 375595   | 30.00    | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.922    | 82    | 175841   | 30.00    | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.192   | 152   | 174730   | 30.00    | UG/L   | 0.00     |
| System Monitoring Compounds   |          |       |          |          |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.211    | 65    | 97867    | 23.89    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 95.56% |          |
| 48) TOLUENE SS                | 6.668    | 98    | 356890   | 24.11    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.44% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.030    | 95    | 128826   | 24.10    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.40% |          |
| Target Compounds              |          |       |          |          |        |          |
|                               |          |       |          |          |        | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 150346   | 44.80    | UG/L   | 98       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |        |          |
| 5) CHLOROMETHANE              | 1.026    | 50    | 149904   | 50.47    | UG/L   | 100      |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 154961   | 50.99    | UG/L   | 96       |
| 7) BROMOMETHANE               | 1.285    | 94    | 88617    | 75.76    | UG/L   | 92       |
| 8) CHLOROETHANE               | 1.358    | 64    | 76012    | 63.95    | UG/L # | 86       |
| 9) Ethanol                    | 1.826    | 45    | 68251    | No Calib | #      |          |
| 10) FLUORODICHLOROMETHANE     | 1.394    | 67    | 251237   | 57.45    | UG/L   | 93       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 209595   | 57.98    | UG/L   | 99       |
| 12) DI ETHYL ETHER            | 1.826    | 59    | 86643    | 50.49    | UG/L # | 89       |
| 13) ACROLEIN                  | 1.665    | 56    | 214538   | 534.04   | UG/L   | 98       |
| 14) ACETONE                   | 1.746    | 43    | 315952   | 533.79   | UG/L   | 91       |
| 15) 1,1-DICHLOROETHENE        | 1.983    | 61    | 202494   | 51.21    | UG/L   | 98       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.150    | 101   | 125766   | 53.16    | UG/L   | 100      |
| 17) IODOMETHANE               | 1.991    | 142   | 2066831  | 491.24   | UG/L   | 95       |
| 18) ALLYL CHLORIDE            | 2.103    | 41    | 7955     | No Calib | #      |          |
| 19) METHYL ACETATE            | 2.169    | 43    | 92306    | 38.45    | UG/L   | 96       |
| 20) T-BUTYL ALCOHOL           | 2.047    | 59    | 73349    | 490.37   | UG/L # | 98       |
| 21) ACRYLONITRILE             | 2.050    | 53    | 37749    | 44.83    | UG/L   | 95       |
| 22) METHYLENE CHLORIDE        | 2.100    | 49    | 153138   | 42.94    | UG/L # | 80       |
| 23) CARBON DISULFIDE          | 2.197    | 76    | 4336062  | 552.48   | UG/L   | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.772    | 73    | 271930   | 49.72    | UG/L # | 89       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627    | 61    | 190785   | 52.97    | UG/L   | 96       |
| 26) 1,1-DICHLOROETHANE        | 2.858    | 63    | 232836   | 49.73    | UG/L   | 97       |
| 27) PROPIONITRILE             | 3.349    | 54    | 688      | No Calib | #      |          |
| 28) VINYL ACETATE             | 3.092    | 43    | 2593904  | 525.53   | UG/L   | 100      |
| 29) CHLOROPRENE               | 3.812    | 53    | 608      | No Calib | #      |          |
| 30) DI ISOPROYL ETHER         | 3.419    | 45    | 346307   | 48.69    | UG/L   | 95       |
| 31) 2-BUTANONE                | 3.352    | 43    | 494601   | 552.44   | UG/L   | 95       |
| 32) METHACRYLONITRILE         | 3.717    | 41    | 103145   | No Calib | #      |          |
| 33) T-BUTYL ETHYL ETHER       | 3.815    | 59    | 316728   | 49.64    | UG/L   | 94       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.441    | 61    | 194856   | 51.61    | UG/L   | 92       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 192658   | 53.35    | UG/L   | 99       |
| 36) ETHYL ACETATE             | 3.762    | 43    | 91062    | 51.61    | UG/L   | 96       |
| 37) BROMOCHLOROMETHANE        | 3.586    | 49    | 105904   | 47.26    | UG/L   | 88       |
| 38) TETRAHYDROFURAN           | 3.979    | 42    | 25691    | 44.04    | UG/L   | 89       |
| 39) CHLOROFORM                | 3.659    | 83    | 242921   | 53.39    | UG/L   | 98       |
| 40) ISOBUTANOL                | 3.762    | 43    | 90850    | No Calib | #      |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.361    | 97    | 212055   | 55.06    | UG/L   | 96       |
| 42) CYCLOHEXANE               | 4.607    | 56    | 227067   | 51.70    | UG/L # | 81       |
| 43) CARBON TETRACHLORIDE      | 4.693    | 117   | 192909   | 56.87    | UG/L   | 96       |
| 44) 1,1-DICHLOROPROPENE       | 4.562    | 75    | 195076   | 52.61    | UG/L   | 96       |
| 45) BENZENE                   | 4.752    | 78    | 524823   | 50.15    | UG/L   | 100      |
| 46) T-AMYL METHYL ETHER       | 4.994    | 73    | 286605   | 50.78    | UG/L # | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.283    | 62    | 151864   | 46.42    | UG/L # | 75       |
| 50) METHYL METHACRYLATE       | 5.814    | 41    | 93997    | 52.89    | UG/L # | 72       |
| 51) TRICHLOROETHENE           | 5.371    | 95    | 144530   | 53.44    | UG/L   | 96       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 222739   | 54.87    | UG/L   | 87       |

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 Data File : ve137010.D  
 Acq On : 17 May 2013 10:16 am  
 Operator :  
 Sample : 8260STD 50PPB 1305059  
 Misc : 1  
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:36:53 2013  
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

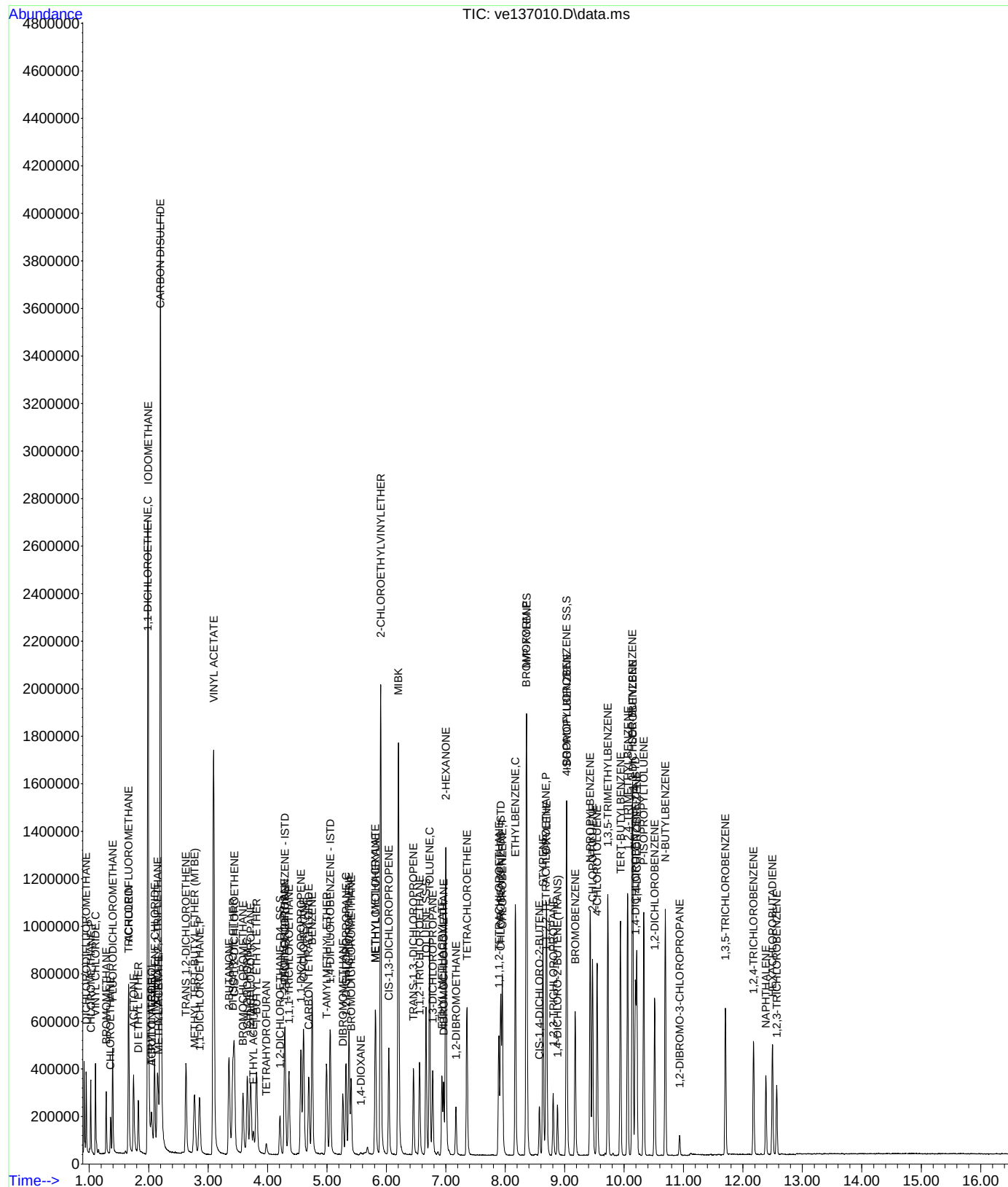
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.321  | 63   | 130883   | 47.09  | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.268  | 93   | 78450    | 52.45  | UG/L   | 94       |
| 55) 1,4-DIOXANE               | 5.569  | 88   | 11158m   | 539.57 | UG/L   |          |
| 56) BROMODICHLOROMETHANE      | 5.407  | 83   | 178496   | 54.20  | UG/L   | 96       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.903  | 63   | 758017   | 490.36 | UG/L   | 99       |
| 58) MIBK                      | 6.202  | 43   | 1036162  | 527.70 | UG/L   | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.040  | 75   | 215164   | 53.74  | UG/L   | 95       |
| 60) TOLUENE                   | 6.729  | 91   | 570171   | 54.04  | UG/L   | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.456  | 75   | 171208   | 53.73  | UG/L   | 94       |
| 62) ETHYL METHACRYLATE        | 6.935  | 69   | 137870   | 52.24  | UG/L   | 93       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 111363   | 53.82  | UG/L   | 99       |
| 64) 2-HEXANONE                | 6.999  | 43   | 691786   | 505.65 | UG/L   | 94       |
| 65) TETRACHLOROETHENE         | 7.356  | 166  | 173913   | 57.75  | UG/L   | 98       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 173002   | 50.95  | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 140193   | 58.37  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.169  | 107  | 116454   | 53.21  | UG/L   | 98       |
| 71) CHLOROBENZENE             | 7.950  | 112  | 347972   | 57.41  | UG/L   | 99       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.892  | 131  | 134007   | 60.62  | UG/L   | 99       |
| 73) ETHYLBENZENE              | 8.171  | 91   | 638668   | 57.82  | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.360  | 91   | 987974   | 117.65 | UG/L   | 97       |
| 75) O-XYLENE                  | 8.695  | 91   | 468225   | 58.22  | UG/L   | 95       |
| 76) STYRENE                   | 8.634  | 104  | 389905   | 60.37  | UG/L   | 100      |
| 77) BROMOFORM                 | 8.355  | 173  | 99502    | 64.09  | UG/L # | 98       |
| 78) ISOPROPYLBENZENE          | 9.035  | 105  | 616068   | 58.90  | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.572  | 53   | 35577    | 54.09  | UG/L # | 74       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 130716   | 54.90  | UG/L   | 98       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.879  | 53   | 33652    | 53.94  | UG/L # | 82       |
| 82) BROMOBENZENE              | 9.177  | 77   | 214839   | 55.08  | UG/L   | 97       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.806  | 75   | 97922    | 54.98  | UG/L   | 91       |
| 84) N-PROPYLBENZENE           | 9.428  | 91   | 705702   | 60.00  | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.467  | 91   | 386603   | 61.06  | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 524688   | 60.13  | UG/L   | 98       |
| 87) 4-CHLOROTOLUENE           | 9.545  | 91   | 397572   | 57.24  | UG/L   | 98       |
| 89) TERT-BUTYLBENZENE         | 9.939  | 119  | 430347   | 60.37  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.061 | 105  | 513888   | 59.12  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.139 | 105  | 634522   | 59.45  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.148 | 146  | 275064   | 59.42  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.332 | 119  | 530532   | 61.86  | UG/L   | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.212 | 146  | 291757   | 57.46  | UG/L   | 100      |
| 95) N-BUTYLBENZENE            | 10.694 | 91   | 495811   | 59.62  | UG/L   | 97       |
| 96) 1,2-DICHLOROBENZENE       | 10.513 | 146  | 246954   | 60.39  | UG/L   | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.934 | 75   | 16318    | 54.73  | UG/L   | 96       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.704 | 180  | 182919   | 61.32  | UG/L   | 95       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.178 | 180  | 140176   | 61.35  | UG/L   | 95       |
| 100) HEXACHLOROBUTADIENE      | 12.496 | 225  | 93576    | 65.21  | UG/L   | 94       |
| 101) NAPHTHALENE              | 12.387 | 128  | 221724   | 55.16  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.568 | 180  | 84056    | 53.84  | UG/L   | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

153

Inst : GCMSV0A5

Quant Time: May 20 08:36:53 2013



Data Path : C:\msdchem\1\DATA\051713\  
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 Operator :  
 Sample : 8260STD 100PPB 1305059  
 Misc : 1  
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:37:49 2013  
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 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|--------|----------|
| Internal Standards            |          |       |          |          |        |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295    | 168   | 269540   | 30.00    | UG/L   | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 370196   | 30.00    | UG/L   | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.925    | 82    | 169601   | 30.00    | UG/L   | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190   | 152   | 174739   | 30.00    | UG/L   | 0.00     |
| System Monitoring Compounds   |          |       |          |          |        |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.211    | 65    | 100638   | 24.21    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.84% |          |
| 48) TOLUENE SS                | 6.668    | 98    | 355208   | 24.35    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 97.40% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.032    | 95    | 126967   | 24.62    | UG/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 98.48% |          |
| Target Compounds              |          |       |          |          |        |          |
|                               |          |       |          |          |        | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 281384   | 82.63    | UG/L   | 99       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |        |          |
| 5) CHLOROMETHANE              | 1.023    | 50    | 294612   | 97.75    | UG/L   | 99       |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 290441   | 94.19    | UG/L   | 98       |
| 7) BROMOMETHANE               | 1.286    | 94    | 176394   | 148.62   | UG/L   | 94       |
| 8) CHLOROETHANE               | 1.358    | 64    | 133753   | 110.89   | UG/L # | 87       |
| 9) Ethanol                    | 1.827    | 45    | 125878   | No Calib | #      |          |
| 10) FLUORODICHLOROMETHANE     | 1.394    | 67    | 476179   | 107.31   | UG/L   | 92       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 399889   | 109.02   | UG/L   | 98       |
| 12) DI ETHYL ETHER            | 1.827    | 59    | 161707   | 92.88    | UG/L # | 88       |
| 13) ACROLEIN                  | 1.665    | 56    | 396999   | 973.95   | UG/L   | 98       |
| 14) ACETONE                   | 1.746    | 43    | 551553   | 918.36   | UG/L   | 90       |
| 15) 1,1-DICHLOROETHENE        | 1.986    | 61    | 372093   | 92.73    | UG/L   | 98       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.147    | 101   | 234871   | 97.84    | UG/L   | 99       |
| 17) IODOMETHANE               | 1.991    | 142   | 3931080  | 907.96   | UG/L   | 96       |
| 18) ALLYL CHLORIDE            | 2.097    | 41    | 13495    | No Calib | #      |          |
| 19) METHYL ACETATE            | 2.170    | 43    | 168129   | 69.02    | UG/L   | 97       |
| 20) T-BUTYL ALCOHOL           | 2.047    | 59    | 124067   | 817.46   | UG/L   | 97       |
| 21) ACRYLONITRILE             | 2.050    | 53    | 67125    | 78.57    | UG/L   | 94       |
| 22) METHYLENE CHLORIDE        | 2.100    | 49    | 280454   | 77.51    | UG/L # | 82       |
| 23) CARBON DISULFIDE          | 2.200    | 76    | 8231479  | 1033.66  | UG/L   | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.769    | 73    | 486022   | 87.59    | UG/L # | 88       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627    | 61    | 340465   | 93.16    | UG/L   | 93       |
| 26) 1,1-DICHLOROETHANE        | 2.856    | 63    | 434055   | 91.36    | UG/L   | 97       |
| 27) PROPIONITRILE             | 3.358    | 54    | 1707     | No Calib | #      |          |
| 28) VINYL ACETATE             | 3.095    | 43    | 4651585  | 928.81   | UG/L   | 100      |
| 29) CHLOROPRENE               | 3.818    | 53    | 4425     | No Calib | #      |          |
| 30) DI ISOPROYL ETHER         | 3.416    | 45    | 636367   | 88.17    | UG/L   | 93       |
| 31) 2-BUTANONE                | 3.352    | 43    | 806917   | 888.26   | UG/L   | 93       |
| 32) METHACRYLONITRILE         | 3.720    | 41    | 183056   | No Calib | #      |          |
| 33) T-BUTYL ETHYL ETHER       | 3.815    | 59    | 586560   | 90.61    | UG/L   | 94       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.444    | 61    | 356004   | 92.92    | UG/L   | 90       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 353879   | 96.58    | UG/L   | 100      |
| 36) ETHYL ACETATE             | 3.759    | 43    | 153995   | 86.01    | UG/L # | 90       |
| 37) BROMOCHLOROMETHANE        | 3.586    | 49    | 185490   | 81.58    | UG/L # | 82       |
| 38) TETRAHYDROFURAN           | 3.974    | 42    | 47440    | 80.16    | UG/L   | 89       |
| 39) CHLOROFORM                | 3.659    | 83    | 442511   | 95.86    | UG/L   | 98       |
| 40) ISOBUTANOL                | 3.759    | 43    | 153995   | No Calib | #      |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.361    | 97    | 426974   | 109.27   | UG/L   | 95       |
| 42) CYCLOHEXANE               | 4.604    | 56    | 443352   | 99.48    | UG/L # | 80       |
| 43) CARBON TETRACHLORIDE      | 4.693    | 117   | 386799   | 112.38   | UG/L   | 96       |
| 44) 1,1-DICHLOROPROPENE       | 4.562    | 75    | 389527   | 103.54   | UG/L   | 96       |
| 45) BENZENE                   | 4.752    | 78    | 1051549  | 99.04    | UG/L   | 100      |
| 46) T-AMYL METHYL ETHER       | 4.994    | 73    | 517650   | 90.38    | UG/L   | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.283    | 62    | 308018   | 95.52    | UG/L # | 69       |
| 50) METHYL METHACRYLATE       | 5.814    | 41    | 173292   | 98.92    | UG/L # | 72       |
| 51) TRICHLOROETHENE           | 5.371    | 95    | 287379   | 107.82   | UG/L   | 97       |
| 52) METHYLCYCLOHEXANE         | 5.814    | 83    | 414338   | 103.56   | UG/L # | 86       |

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 Acq On : 17 May 2013 10:42 am  
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 Sample : 8260STD 100PPB 1305059  
 Misc : 1  
 ALS Vial : 11 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:37:49 2013  
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 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.321  | 63   | 267587   | 97.67  | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.268  | 93   | 153687   | 104.25 | UG/L   | 93       |
| 55) 1,4-DIOXANE               | 5.569  | 88   | 20328m   | 997.34 | UG/L   |          |
| 56) BROMODICHLOROMETHANE      | 5.407  | 83   | 350597   | 108.01 | UG/L   | 96       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.906  | 63   | 1443289  | 947.28 | UG/L   | 99       |
| 58) MIBK                      | 6.205  | 43   | 1833451  | 947.37 | UG/L   | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.043  | 75   | 416209   | 105.47 | UG/L   | 95       |
| 60) TOLUENE                   | 6.729  | 91   | 1088753  | 104.69 | UG/L   | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.456  | 75   | 325641   | 103.69 | UG/L   | 95       |
| 62) ETHYL METHACRYLATE        | 6.935  | 69   | 248521   | 95.53  | UG/L   | 94       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 207757   | 101.86 | UG/L   | 100      |
| 64) 2-HEXANONE                | 6.999  | 43   | 1241734  | 920.86 | UG/L   | 94       |
| 65) TETRACHLOROETHENE         | 7.356  | 166  | 332477   | 112.02 | UG/L   | 99       |
| 66) 1,3-DICHLOROPROPANE       | 6.779  | 76   | 331370   | 99.02  | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 269972   | 114.05 | UG/L   | 98       |
| 68) 1,2-DIBROMOETHANE         | 7.170  | 107  | 218998   | 101.53 | UG/L   | 99       |
| 71) CHLOROBENZENE             | 7.953  | 112  | 666165   | 113.94 | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.892  | 131  | 260065   | 121.97 | UG/L   | 99       |
| 73) ETHYLBENZENE              | 8.171  | 91   | 1236333  | 116.04 | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.360  | 91   | 1898101  | 234.34 | UG/L   | 98       |
| 75) O-XYLENE                  | 8.698  | 91   | 890090   | 114.76 | UG/L   | 96       |
| 76) STYRENE                   | 8.636  | 104  | 737594   | 118.40 | UG/L   | 100      |
| 77) BROMOFORM                 | 8.355  | 173  | 189843   | 126.78 | UG/L # | 98       |
| 78) ISOPROPYLBENZENE          | 9.035  | 105  | 1160145  | 115.00 | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.575  | 53   | 65258    | 102.87 | UG/L # | 71       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 241688   | 105.24 | UG/L   | 98       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.879  | 53   | 64025    | 106.40 | UG/L # | 79       |
| 82) BROMOBENZENE              | 9.177  | 77   | 404348   | 107.48 | UG/L   | 98       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.807  | 75   | 181985   | 105.94 | UG/L   | 91       |
| 84) N-PROPYLBENZENE           | 9.431  | 91   | 1319604  | 116.33 | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 741317   | 121.39 | UG/L   | 98       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 1009681  | 119.97 | UG/L   | 98       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 754745   | 112.65 | UG/L   | 96       |
| 89) TERT-BUTYLBENZENE         | 9.939  | 119  | 820306   | 115.07 | UG/L   | 100      |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.059 | 105  | 975481   | 112.21 | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.139 | 105  | 1221601  | 114.45 | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.148 | 146  | 524648   | 113.32 | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.332 | 119  | 979576   | 114.22 | UG/L   | 98       |
| 94) 1,4-DICHLOROBENZENE       | 10.215 | 146  | 566821   | 111.63 | UG/L   | 100      |
| 95) N-BUTYLBENZENE            | 10.694 | 91   | 965913   | 116.15 | UG/L   | 97       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 474482   | 116.02 | UG/L   | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.934 | 75   | 29377    | 98.53  | UG/L   | 96       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 348412   | 116.80 | UG/L   | 95       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.178 | 180  | 257951   | 112.90 | UG/L   | 95       |
| 100) HEXACHLOROBUTADIENE      | 12.496 | 225  | 177952   | 124.01 | UG/L   | 94       |
| 101) NAPHTHALENE              | 12.387 | 128  | 381491   | 94.91  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.568 | 180  | 144947   | 92.83  | UG/L   | 95       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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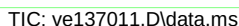
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Quant Method : C:\msdchem\1\METHODS\E050613W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Tue May 07 06:36:19 2013

Response via : Initial Calibration





Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137012.D  
 Acq On : 17 May 2013 11:08 am  
 Operator :  
 Sample : 8260STD 200PPB 1305059  
 Misc : 1  
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:38:56 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc     | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|----------|---------|----------|
| Internal Standards            |          |       |          |          |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.297    | 168   | 268301   | 30.00    | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 371984   | 30.00    | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.925    | 82    | 171841   | 30.00    | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.192   | 152   | 179830   | 30.00    | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |          |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.211    | 65    | 99397    | 24.03    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 96.12%  |          |
| 48) TOLUENE SS                | 6.668    | 98    | 348518   | 23.77    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 95.08%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.032    | 95    | 131354   | 25.14    | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =        | 100.56% |          |
| Target Compounds              |          |       |          |          |         |          |
|                               |          |       |          |          |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 521466   | 153.84   | UG/L    | 99       |
| 4) DIFLUOROCHLOROMETHANE      | 0.000    |       | 0        | N.D.     |         |          |
| 5) CHLOROMETHANE              | 1.023    | 50    | 646984   | 215.65   | UG/L    | 98       |
| 6) VINYL CHLORIDE             | 1.101    | 62    | 518578   | 168.95   | UG/L    | 96       |
| 7) BROMOMETHANE               | 1.283    | 94    | 394186   | 333.66   | UG/L    | 95       |
| 8) CHLOROETHANE               | 1.358    | 64    | 269159   | 224.19   | UG/L #  | 86       |
| 9) Ethanol                    | 1.826    | 45    | 261456   | No Calib | #       |          |
| 10) FLUORODICHLOROMETHANE     | 1.391    | 67    | 950177   | 215.11   | UG/L    | 93       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 760080   | 208.17   | UG/L    | 99       |
| 12) DI ETHYL ETHER            | 1.826    | 59    | 335089   | 193.35   | UG/L #  | 88       |
| 13) ACROLEIN                  | 1.668    | 56    | 851597   | 2098.86  | UG/L    | 98       |
| 14) ACETONE                   | 1.748    | 43    | 1166339  | 1950.98  | UG/L    | 91       |
| 15) 1,1-DICHLOROETHENE        | 1.983    | 61    | 745573   | 186.67   | UG/L    | 99       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.150    | 101   | 466576   | 195.25   | UG/L    | 99       |
| 17) IODOMETHANE               | 1.991    | 142   | 7929712  | 1824.87  | UG/L    | 97       |
| 18) ALLYL CHLORIDE            | 2.100    | 41    | 25471    | No Calib | #       |          |
| 19) METHYL ACETATE            | 2.172    | 43    | 368089   | 151.81   | UG/L    | 97       |
| 20) T-BUTYL ALCOHOL           | 2.050    | 59    | 320972   | 2124.61  | UG/L #  | 92       |
| 21) ACRYLONITRILE             | 2.052    | 53    | 153142   | 180.09   | UG/L    | 95       |
| 22) METHYLENE CHLORIDE        | 2.100    | 49    | 567039   | 157.43   | UG/L #  | 80       |
| 23) CARBON DISULFIDE          | 0.000    |       | 0        | N.D.     |         |          |
| 24) METHYL TERT-BUTYL ETHE... | 2.772    | 73    | 1149357  | 208.08   | UG/L #  | 89       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627    | 61    | 706252   | 194.13   | UG/L    | 96       |
| 26) 1,1-DICHLOROETHANE        | 2.855    | 63    | 924361   | 195.46   | UG/L    | 97       |
| 27) PROPIONITRILE             | 3.357    | 54    | 4260     | No Calib | #       |          |
| 28) VINYL ACETATE             | 3.104    | 43    | 11054939 | 2217.60  | UG/L    | 100      |
| 29) CHLOROPRENE               | 3.815    | 53    | 8374     | No Calib | #       |          |
| 30) DI ISOPROYL ETHER         | 3.422    | 45    | 1411779  | 196.51   | UG/L    | 94       |
| 31) 2-BUTANONE                | 3.357    | 43    | 1986543  | 2196.90  | UG/L    | 94       |
| 32) METHACRYLONITRILE         | 3.717    | 41    | 390111   | No Calib | #       |          |
| 33) T-BUTYL ETHYL ETHER       | 3.818    | 59    | 1285616  | 199.52   | UG/L    | 94       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.444    | 61    | 760384   | 199.39   | UG/L    | 91       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 751088   | 205.93   | UG/L    | 99       |
| 36) ETHYL ACETATE             | 3.762    | 43    | 388065   | 217.74   | UG/L #  | 93       |
| 37) BROMOCHLOROMETHANE        | 3.589    | 49    | 341320   | 150.80   | UG/L    | 87       |
| 38) TETRAHYDROFURAN           | 3.977    | 42    | 114437   | 194.25   | UG/L    | 92       |
| 39) CHLOROFORM                | 3.661    | 83    | 918985   | 199.99   | UG/L    | 97       |
| 40) ISOBUTANOL                | 3.762    | 43    | 387830   | No Calib | #       |          |
| 41) 1,1,1-TRICHLOROETHANE     | 4.364    | 97    | 838497   | 215.57   | UG/L    | 97       |
| 42) CYCLOHEXANE               | 4.607    | 56    | 837513   | 188.79   | UG/L #  | 80       |
| 43) CARBON TETRACHLORIDE      | 4.696    | 117   | 762795   | 222.65   | UG/L    | 96       |
| 44) 1,1-DICHLOROPROPENE       | 4.562    | 75    | 754932   | 201.60   | UG/L    | 96       |
| 45) BENZENE                   | 4.752    | 78    | 2107296  | 199.39   | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.994    | 73    | 1186617  | 208.15   | UG/L #  | 93       |
| 49) 1,2-DICHLOROETHANE        | 4.286    | 62    | 625489   | 193.04   | UG/L #  | 67       |
| 50) METHYL METHACRYLATE       | 5.817    | 41    | 342073   | 194.33   | UG/L #  | 72       |
| 51) TRICHLOROETHENE           | 5.371    | 95    | 560589   | 209.31   | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 824851   | 205.18   | UG/L #  | 86       |

Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137012.D  
 Acq On : 17 May 2013 11:08 am  
 Operator :  
 Sample : 8260STD 200PPB 1305059  
 Misc : 1  
 ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:38:56 2013  
 Quant Method : C:\msdchem\1\METHODS\E050613W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Tue May 07 06:36:19 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 53) 1,2-DICHLOROPROPANE       | 5.323  | 63   | 525726   | 190.97  | UG/L # | 95       |
| 54) DIBROMOMETHANE            | 5.270  | 93   | 314230   | 212.13  | UG/L   | 94       |
| 55) 1,4-DIOXANE               | 5.572  | 88   | 46948m   | 2292.31 | UG/L   |          |
| 56) BROMODICHLOROMETHANE      | 5.410  | 83   | 696540   | 213.55  | UG/L   | 96       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.915  | 63   | 3123991  | 2040.53 | UG/L   | 99       |
| 58) MIBK                      | 6.210  | 43   | 4401946  | 2263.61 | UG/L   | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.043  | 75   | 838417   | 211.43  | UG/L   | 95       |
| 60) TOLUENE                   | 6.729  | 91   | 2138830  | 204.67  | UG/L   | 99       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.458  | 75   | 690422   | 218.79  | UG/L   | 95       |
| 62) ETHYL METHACRYLATE        | 6.935  | 69   | 556194   | 212.78  | UG/L   | 94       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.559  | 97   | 434159   | 211.84  | UG/L   | 99       |
| 64) 2-HEXANONE                | 7.008  | 43   | 2957407  | 2182.64 | UG/L   | 95       |
| 65) TETRACHLOROETHENE         | 7.356  | 166  | 672567   | 225.51  | UG/L   | 98       |
| 66) 1,3-DICHLOROPROPANE       | 6.782  | 76   | 671748   | 199.76  | UG/L   | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.966  | 129  | 561898   | 236.24  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.175  | 107  | 466134   | 215.06  | UG/L   | 98       |
| 71) CHLOROBENZENE             | 7.953  | 112  | 1351289  | 228.12  | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.895  | 131  | 534644   | 247.48  | UG/L   | 98       |
| 73) ETHYLBENZENE              | 8.173  | 91   | 2435191  | 225.59  | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.363  | 91   | 3748628  | 456.77  | UG/L   | 97       |
| 75) O-XYLENE                  | 8.698  | 91   | 1770507  | 225.29  | UG/L   | 95       |
| 76) STYRENE                   | 8.639  | 104  | 1505536  | 238.52  | UG/L   | 100      |
| 77) BROMOFORM                 | 8.357  | 173  | 416951   | 274.82  | UG/L # | 97       |
| 78) ISOPROPYLBENZENE          | 9.038  | 105  | 2382583  | 233.10  | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.578  | 53   | 154672   | 240.65  | UG/L # | 71       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.687  | 83   | 541095   | 232.55  | UG/L   | 98       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.882  | 53   | 146925   | 240.98  | UG/L # | 76       |
| 82) BROMOBENZENE              | 9.180  | 77   | 822064   | 215.67  | UG/L   | 97       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.806  | 75   | 411774   | 236.59  | UG/L   | 92       |
| 84) N-PROPYLBENZENE           | 9.431  | 91   | 2750762  | 239.33  | UG/L   | 96       |
| 85) 2-CHLOROTOLUENE           | 9.473  | 91   | 1481019  | 239.36  | UG/L   | 98       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.729  | 105  | 2088636  | 244.94  | UG/L   | 99       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 1553077  | 228.79  | UG/L   | 97       |
| 89) TERT-BUTYLBENZENE         | 9.941  | 119  | 1659191  | 226.16  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.061 | 105  | 1951764  | 218.16  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.142 | 105  | 2496427  | 227.27  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.151 | 146  | 1078949  | 226.46  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.335 | 119  | 2069657  | 234.49  | UG/L   | 98       |
| 94) 1,4-DICHLOROBENZENE       | 10.217 | 146  | 1160370  | 222.05  | UG/L   | 100      |
| 95) N-BUTYLBENZENE            | 10.694 | 91   | 1991472  | 232.68  | UG/L   | 97       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 1004524  | 238.68  | UG/L   | 98       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.934 | 75   | 74522    | 242.86  | UG/L   | 95       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 759794   | 247.50  | UG/L   | 96       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.181 | 180  | 607850   | 258.50  | UG/L   | 96       |
| 100) HEXACHLOROBUTADIENE      | 12.499 | 225  | 388525   | 263.09  | UG/L   | 94       |
| 101) NAPHTHALENE              | 12.387 | 128  | 1034829  | 250.16  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.568 | 180  | 393009   | 244.58  | UG/L   | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

159

Inst : GCMSV0A5

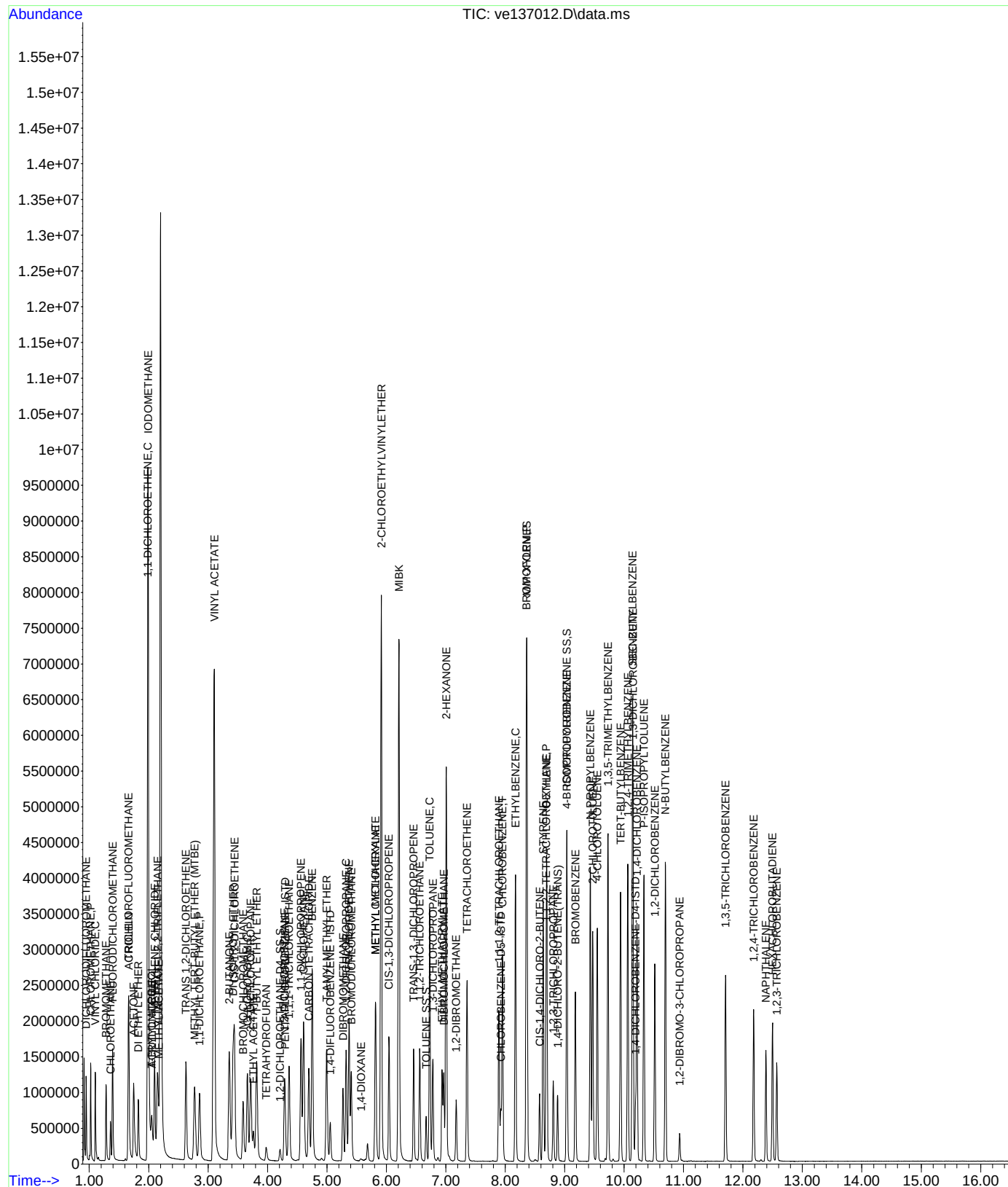
Quant Time: May 20 08:38:56 2013

Quant Method : C:\msdchem\1\METHODS\E050613W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Tue May 07 06:36:19 2013

Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\051713\  
 Data File : ve137015.D  
 Acq On : 17 May 2013 12:26 pm  
 Operator :  
 Sample : ICV  
 Misc : 1  
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: May 20 08:59:02 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Mon May 20 08:42:31 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.295    | 168   | 277927   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 5.056    | 114   | 375010   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.925    | 82    | 170387   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.190   | 152   | 172973   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.208    | 65    | 105778   | 25.18  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.72% |          |
| 48) TOLUENE SS                | 6.668    | 98    | 362088   | 25.26  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 101.04% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 9.033    | 95    | 129398   | 25.36  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 101.44% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.948    | 85    | 24074    | 7.84   | UG/L    | 99       |
| 5) CHLOROMETHANE              | 1.024    | 50    | 19495    | 6.17   | UG/L    | 99       |
| 6) VINYL CHLORIDE             | 1.104    | 62    | 30136    | 9.98   | UG/L    | 95       |
| 7) BROMOMETHANE               | 1.283    | 94    | 10721    | 5.48   | UG/L    | 90       |
| 8) CHLOROETHANE               | 1.358    | 64    | 15128    | 9.82   | UG/L #  | 83       |
| 10) FLUORODICHLOROMETHANE     | 1.392    | 67    | 48861    | 10.29  | UG/L    | 93       |
| 11) TRICHLOROFLUOROMETHANE    | 1.659    | 101   | 41919    | 10.65  | UG/L    | 100      |
| 12) DI ETHYL ETHER            | 1.827    | 59    | 17439    | 10.34  | UG/L #  | 93       |
| 13) ACROLEIN                  | 1.662    | 56    | 33304    | 80.49  | UG/L    | 99       |
| 14) ACETONE                   | 1.746    | 43    | 95687    | 144.76 | UG/L    | 90       |
| 15) 1,1-DICHLOROETHENE        | 1.983    | 61    | 41996    | 10.69  | UG/L    | 97       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.147    | 101   | 27863    | 11.74  | UG/L    | 96       |
| 17) IODOMETHANE               | 1.988    | 142   | 34658    | 18.75  | UG/L    | 95       |
| 19) METHYL ACETATE            | 2.173    | 43    | 19061    | 9.47   | UG/L #  | 94       |
| 20) T-BUTYL ALCOHOL           | 2.044    | 59    | 13102    | 90.01  | UG/L #  | 80       |
| 21) ACRYLONITRILE             | 2.053    | 53    | 8253     | 11.01  | UG/L    | 99       |
| 22) METHYLENE CHLORIDE        | 2.097    | 49    | 34812    | 10.90  | UG/L #  | 83       |
| 23) CARBON DISULFIDE          | 2.198    | 76    | 98162    | 11.83  | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.772    | 73    | 57589    | 11.51  | UG/L #  | 88       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.627    | 61    | 38246    | 11.05  | UG/L    | 93       |
| 26) 1,1-DICHLOROETHANE        | 2.853    | 63    | 47840    | 10.64  | UG/L    | 97       |
| 28) VINYL ACETATE             | 3.090    | 43    | 454315   | 94.44  | UG/L    | 100      |
| 30) DI ISOPROYL ETHER         | 3.419    | 45    | 76542    | 11.62  | UG/L    | 94       |
| 31) 2-BUTANONE                | 3.352    | 43    | 105821   | 119.89 | UG/L    | 94       |
| 33) T-BUTYL ETHYL ETHER       | 3.815    | 59    | 64082    | 11.13  | UG/L #  | 93       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.441    | 61    | 36562    | 9.83   | UG/L    | 89       |
| 35) 2,2-DICHLOROPROPANE       | 3.717    | 77    | 36218    | 9.97   | UG/L    | 99       |
| 36) ETHYL ACETATE             | 3.768    | 43    | 15176    | 9.12   | UG/L #  | 81       |
| 37) BROMOCHLOROMETHANE        | 3.586    | 49    | 21824    | 11.03  | UG/L    | 92       |
| 38) TETRAHYDROFURAN           | 3.991    | 42    | 4731     | 9.04   | UG/L #  | 78       |
| 39) CHLOROFORM                | 3.659    | 83    | 47002    | 10.46  | UG/L    | 96       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.364    | 97    | 42324    | 10.48  | UG/L    | 97       |
| 42) CYCLOHEXANE               | 4.607    | 56    | 48910    | 11.35  | UG/L #  | 79       |
| 43) CARBON TETRACHLORIDE      | 4.693    | 117   | 37740    | 10.31  | UG/L    | 97       |
| 44) 1,1-DICHLOROPROPENE       | 4.560    | 75    | 39436    | 10.47  | UG/L    | 96       |
| 45) BENZENE                   | 4.752    | 78    | 104821   | 10.10  | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.992    | 73    | 55065    | 10.65  | UG/L #  | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.286    | 62    | 31722    | 9.40   | UG/L #  | 78       |
| 50) METHYL METHACRYLATE       | 5.814    | 41    | 20954    | 11.89  | UG/L #  | 73       |
| 51) TRICHLOROETHENE           | 5.371    | 95    | 29669    | 10.69  | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.817    | 83    | 50663    | 12.39  | UG/L #  | 86       |
| 53) 1,2-DICHLOROPROPANE       | 5.321    | 63    | 26438    | 10.16  | UG/L #  | 95       |
| 54) DIBROMOMETHANE            | 5.268    | 93    | 15885    | 11.00  | UG/L    | 91       |
| 56) BROMODICHLOROMETHANE      | 5.407    | 83    | 32076    | 9.69   | UG/L    | 94       |
| 58) MIBK                      | 6.202    | 43    | 190977   | 97.20  | UG/L    | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 6.043    | 75    | 39295    | 10.22  | UG/L    | 96       |
| 60) TOLUENE                   | 6.726    | 91    | 114124   | 10.68  | UG/L    | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.459    | 75    | 33074    | 10.73  | UG/L    | 94       |

Data Path : C:\msdchem\1\DATA\051713\  
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 Acq On : 17 May 2013 12:26 pm  
 Operator :  
 Sample : ICV  
 Misc : 1  
 ALS Vial : 15 Sample Multiplier: 1

Inst : GCMSVOA5

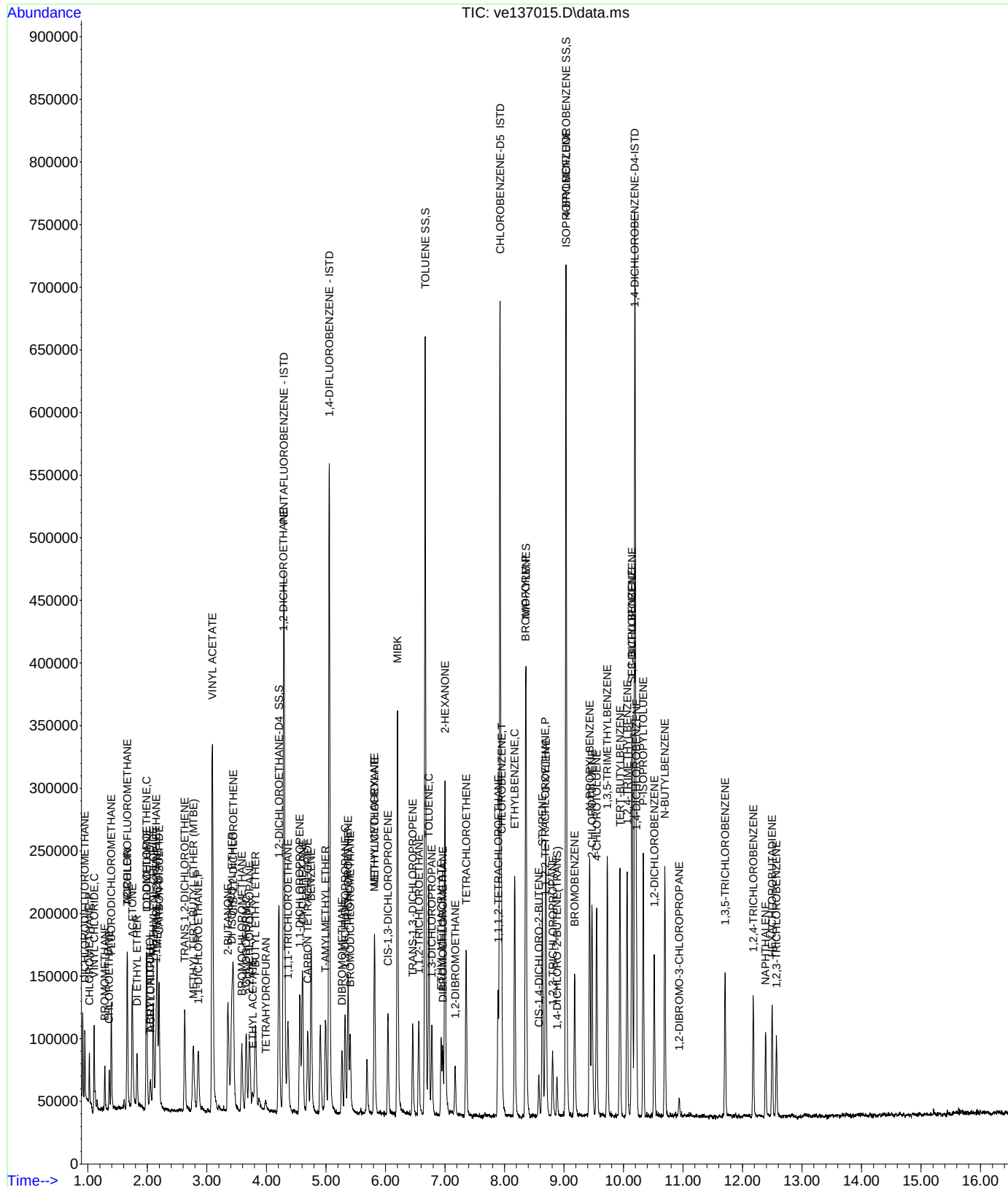
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 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Mon May 20 08:42:31 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 62) ETHYL METHACRYLATE        | 6.936  | 69   | 26173    | 10.31  | UG/L   | 94       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.562  | 97   | 21567    | 10.49  | UG/L   | 98       |
| 64) 2-HEXANONE                | 7.000  | 43   | 153914   | 114.38 | UG/L   | 94       |
| 65) TETRACHLOROETHENE         | 7.357  | 166  | 35443    | 10.99  | UG/L   | 99       |
| 66) 1,3-DICHLOROPROPANE       | 6.777  | 76   | 34833    | 10.45  | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.963  | 129  | 25413    | 10.17  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.173  | 107  | 23241    | 10.85  | UG/L   | 96       |
| 71) CHLOROBENZENE             | 7.951  | 112  | 71331    | 11.14  | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.892  | 131  | 24957    | 10.42  | UG/L   | 98       |
| 73) ETHYLBENZENE              | 8.171  | 91   | 127036   | 10.83  | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.361  | 91   | 197231   | 22.26  | UG/L   | 97       |
| 75) O-XYLENE                  | 8.695  | 91   | 100596   | 11.87  | UG/L   | 95       |
| 76) STYRENE                   | 8.637  | 104  | 75435    | 11.24  | UG/L   | 100      |
| 77) BROMOFORM                 | 8.355  | 173  | 17208    | 9.67   | UG/L # | 98       |
| 78) ISOPROPYLBENZENE          | 9.035  | 105  | 128878   | 11.52  | UG/L   | 95       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.575  | 53   | 5918     | 8.92   | UG/L   | 85       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.684  | 83   | 26138    | 10.81  | UG/L   | 100      |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.882  | 53   | 5598     | 9.29   | UG/L # | 87       |
| 82) BROMOBENZENE              | 9.178  | 77   | 44128    | 11.09  | UG/L   | 94       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.807  | 75   | 20028    | 10.90  | UG/L   | 91       |
| 84) N-PROPYLBENZENE           | 9.431  | 91   | 146464   | 11.89  | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.470  | 91   | 78765    | 11.38  | UG/L   | 100      |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.727  | 105  | 98818    | 10.56  | UG/L   | 98       |
| 87) 4-CHLOROTOLUENE           | 9.548  | 91   | 85509    | 11.84  | UG/L   | 96       |
| 89) TERT-BUTYLBENZENE         | 9.942  | 119  | 88913    | 11.39  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 10.062 | 105  | 94571    | 10.48  | UG/L   | 97       |
| 91) SEC-BUTYLBENZENE          | 10.140 | 105  | 130472   | 11.50  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.145 | 146  | 55063    | 11.17  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.332 | 119  | 104184   | 11.34  | UG/L   | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.215 | 146  | 57232    | 10.49  | UG/L   | 97       |
| 95) N-BUTYLBENZENE            | 10.695 | 91   | 94653    | 11.14  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.516 | 146  | 49131    | 10.95  | UG/L   | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.932 | 75   | 3110     | 10.43  | UG/L   | 92       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.707 | 180  | 34245    | 10.91  | UG/L   | 95       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.181 | 180  | 26375    | 10.73  | UG/L   | 95       |
| 100) HEXACHLOROBUTADIENE      | 12.496 | 225  | 17645    | 11.12  | UG/L   | 96       |
| 101) NAPHTHALENE              | 12.387 | 128  | 44634    | 10.79  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.569 | 180  | 17882    | 11.41  | UG/L   | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Inst : GCMSV0A5

Quant Time: May 20 08:59:02 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
Qlast Update : Mon May 20 08:42:31 2013  
Response via : Initial Calibration



## 7 - FORM VII

## CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve233004.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004570                        | Injection Date:   | 08/21/13       |
| Lab Sample ID: | S004570-CCV1                   | Injection Time:   | 08:43          |

| COMPOUND                      | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |              |         | % DIFF / DRIFT |           |
|-------------------------------|------|--------------|------|-----------------|--------------|---------|----------------|-----------|
|                               |      | STD          | CCV  | ICAL            | CCV          | MIN (#) | CCV            | LIMIT (#) |
| Acetone                       | A    | 100          | 82.9 | 7.134968E-02    | 5.917954E-02 |         | -17.1          | 20        |
| Acrylonitrile                 | A    | 10.0         | 10.7 | 8.087693E-02    | 8.657556E-02 |         | 7.0            | 20        |
| tert-Amyl Methyl Ether (TAME) | A    | 10.0         | 10.7 | 0.5583237       | 0.5972539    |         | 7.0            | 20        |
| Benzene                       | A    | 10.0         | 10.5 | 1.120585        | 1.17608      |         | 5.0            | 20        |
| Bromobenzene                  | A    | 10.0         | 10.6 | 0.7003925       | 0.7460081    |         | 6.5            | 20        |
| Bromochloromethane            | A    | 10.0         | 10.9 | 0.2134845       | 0.2333243    |         | 9.3            | 20        |
| Bromodichloromethane          | A    | 10.0         | 10.0 | 0.2646878       | 0.2654889    |         | 0.3            | 20        |
| Bromoform                     | A    | 10.0         | 9.63 | 0.3134229       | 0.3016838    |         | -3.7           | 20        |
| Bromomethane                  | A    | 10.0         | 7.74 | 0.2111494       | 0.1634341    |         | -22.6          | 20 *      |
| 2-Butanone (MEK)              | A    | 100          | 99.4 | 9.527142E-02    | 9.472081E-02 |         | -0.6           | 20        |
| tert-Butyl Alcohol (TBA)      | A    | 100          | 114  | 0.0157114       | 1.797324E-02 |         | 14.4           | 20        |
| n-Butylbenzene                | A    | 10.0         | 10.6 | 1.473402        | 1.554197     |         | 5.5            | 20        |
| sec-Butylbenzene              | A    | 10.0         | 10.7 | 1.967151        | 2.108989     |         | 7.2            | 20        |
| tert-Butylbenzene             | A    | 10.0         | 10.0 | 1.354244        | 1.355149     |         | 0.07           | 20        |
| tert-Butyl Ethyl Ether (TBEE) | A    | 10.0         | 10.7 | 0.6215235       | 0.6622921    |         | 6.6            | 20        |
| Carbon Disulfide              | A    | 100          | 97.2 | 0.8954041       | 0.8703444    |         | -2.8           | 20        |
| Carbon Tetrachloride          | A    | 10.0         | 9.67 | 0.3949352       | 0.3817635    |         | -3.3           | 20        |
| Chlorobenzene                 | A    | 10.0         | 11.3 | 1.127694        | 1.275651     |         | 13.1           | 20        |
| Chlorodibromomethane          | A    | 10.0         | 9.97 | 0.1999028       | 0.199375     |         | -0.3           | 20        |
| Chloroethane                  | A    | 10.0         | 8.63 | 0.1663037       | 0.1435355    |         | -13.7          | 20        |
| Chloroform                    | A    | 10.0         | 10.3 | 0.4850183       | 0.498716     |         | 2.8            | 20        |
| Chloromethane                 | A    | 10.0         | 4.02 | 0.3410179       | 0.1371221    |         | -59.8          | 20 *      |
| 2-Chlorotoluene               | A    | 10.0         | 11.1 | 1.218465        | 1.356697     |         | 11.3           | 20        |
| 4-Chlorotoluene               | A    | 10.0         | 11.0 | 1.271738        | 1.398703     |         | 10.0           | 20        |

## 7 - FORM VII

## CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve233004.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004570                        | Injection Date:   | 08/21/13       |
| Lab Sample ID: | S004570-CCV1                   | Injection Time:   | 08:43          |

| COMPOUND                           | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |              |         | % DIFF / DRIFT |           |
|------------------------------------|------|--------------|------|-----------------|--------------|---------|----------------|-----------|
|                                    |      | STD          | CCV  | ICAL            | CCV          | MIN (#) | CCV            | LIMIT (#) |
| 1,2-Dibromo-3-chloropropane (DBCP) | A    | 10.0         | 10.8 | 5.172919E-02    | 5.567424E-02 |         | 7.6            | 20        |
| 1,2-Dibromoethane (EDB)            | A    | 10.0         | 10.5 | 0.1713981       | 0.1792765    |         | 4.6            | 20        |
| Dibromomethane                     | A    | 10.0         | 10.6 | 0.115482        | 0.1221087    |         | 5.7            | 20        |
| 1,2-Dichlorobenzene                | A    | 10.0         | 10.8 | 0.7781515       | 0.8363768    |         | 7.5            | 20        |
| 1,3-Dichlorobenzene                | A    | 10.0         | 11.0 | 0.8552778       | 0.940982     |         | 10.0           | 20        |
| 1,4-Dichlorobenzene                | A    | 10.0         | 9.51 | 0.9458815       | 0.8992959    |         | -4.9           | 20        |
| trans-1,4-Dichloro-2-butene        | A    | 10.0         | 10.8 | 0.1061309       | 0.114979     |         | 8.3            | 20        |
| Dichlorodifluoromethane (Freon 12) | A    | 10.0         | 9.36 | 0.3316602       | 0.3104409    |         | -6.4           | 20        |
| 1,1-Dichloroethane                 | A    | 10.0         | 10.3 | 0.485378        | 0.4980837    |         | 2.6            | 20        |
| 1,2-Dichloroethane                 | A    | 10.0         | 8.45 | 0.2699794       | 0.2281405    |         | -15.5          | 20        |
| 1,1-Dichloroethylene               | A    | 10.0         | 9.50 | 0.4242032       | 0.4031203    |         | -5.0           | 20        |
| cis-1,2-Dichloroethylene           | A    | 10.0         | 9.73 | 0.4016163       | 0.3909256    |         | -2.7           | 20        |
| trans-1,2-Dichloroethylene         | A    | 10.0         | 10.2 | 0.3737704       | 0.3831314    |         | 2.5            | 20        |
| 1,2-Dichloropropane                | A    | 10.0         | 9.99 | 0.2082147       | 0.2080233    |         | -0.09          | 20        |
| 1,3-Dichloropropane                | A    | 10.0         | 10.7 | 0.2667256       | 0.2864905    |         | 7.4            | 20        |
| 2,2-Dichloropropane                | A    | 10.0         | 10.2 | 0.3921449       | 0.3987973    |         | 1.7            | 20        |
| 1,1-Dichloropropene                | A    | 10.0         | 9.51 | 0.4063944       | 0.3864091    |         | -4.9           | 20        |
| cis-1,3-Dichloropropene            | A    | 10.0         | 10.7 | 0.3075397       | 0.3290894    |         | 7.0            | 20        |
| trans-1,3-Dichloropropene          | A    | 10.0         | 10.7 | 0.2465436       | 0.2647535    |         | 7.4            | 20        |
| Diethyl Ether                      | A    | 10.0         | 9.75 | 0.1820586       | 0.1775386    |         | -2.5           | 20        |
| Diisopropyl Ether (DIPE)           | A    | 10.0         | 10.5 | 0.7107587       | 0.7470481    |         | 5.1            | 20        |
| 1,4-Dioxane                        | A    | 100          | 102  | 1.659301E-03    | 1.691481E-03 |         | 1.9            | 20        |
| Ethylbenzene                       | A    | 10.0         | 10.2 | 2.065389        | 2.1143       |         | 2.4            | 20        |
| Hexachlorobutadiene                | A    | 10.0         | 9.14 | 0.2752574       | 0.2515651    |         | -8.6           | 20        |
| 2-Hexanone (MBK)                   | A    | 100          | 102  | 0.1076445       | 0.1101492    |         | 2.3            | 20        |



## 7 - FORM VII

### CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve233004.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004570                        | Injection Date:   | 08/21/13       |
| Lab Sample ID: | S004570-CCV1                   | Injection Time:   | 08:43          |

| COMPOUND                                          | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |              |         | % DIFF / DRIFT |           |
|---------------------------------------------------|------|--------------|------|-----------------|--------------|---------|----------------|-----------|
|                                                   |      | STD          | CCV  | ICAL            | CCV          | MIN (#) | CCV            | LIMIT (#) |
| Isopropylbenzene (Cumene)                         | A    | 10.0         | 10.8 | 1.96985         | 2.118574     |         | 7.6            | 20        |
| p-Isopropyltoluene (p-Cymene)                     | A    | 10.0         | 10.8 | 1.593628        | 1.726719     |         | 8.4            | 20        |
| Methyl tert-Butyl Ether (MTBE)                    | A    | 10.0         | 10.9 | 0.5403094       | 0.5871756    |         | 8.7            | 20        |
| Methylene Chloride                                | A    | 10.0         | 11.4 | 0.344631        | 0.3920225    |         | 13.8           | 20        |
| 4-Methyl-2-pentanone (MIBK)                       | A    | 100          | 101  | 0.1571706       | 0.1594339    |         | 1.4            | 20        |
| Naphthalene                                       | A    | 10.0         | 12.3 | 0.7173134       | 0.8817967    |         | 22.9           | 20 *      |
| n-Propylbenzene                                   | A    | 10.0         | 11.5 | 2.168905        | 2.486027     |         | 14.6           | 20        |
| Styrene                                           | A    | 10.0         | 10.7 | 1.18214         | 1.261702     |         | 6.7            | 20        |
| 1,1,1,2-Tetrachloroethane                         | A    | 10.0         | 9.81 | 0.4217188       | 0.4136355    |         | -1.9           | 20        |
| 1,1,2,2-Tetrachloroethane                         | A    | 10.0         | 10.8 | 0.4256722       | 0.4576603    |         | 7.5            | 20        |
| Tetrachloroethylene                               | A    | 10.0         | 9.74 | 0.2579545       | 0.2513576    |         | -2.6           | 20        |
| Tetrahydrofuran                                   | A    | 10.0         | 10.2 | 5.649186E-02    | 5.761811E-02 |         | 2.0            | 20        |
| Toluene                                           | A    | 10.0         | 10.5 | 0.8549861       | 0.8965314    |         | 4.9            | 20        |
| 1,2,3-Trichlorobenzene                            | A    | 10.0         | 12.9 | 0.2717194       | 0.3493712    |         | 28.6           | 20 *      |
| 1,2,4-Trichlorobenzene                            | A    | 10.0         | 11.0 | 0.4263482       | 0.4700637    |         | 10.3           | 20        |
| 1,3,5-Trichlorobenzene                            | A    | 10.0         | 9.89 | 0.5442242       | 0.5380171    |         | -1.1           | 20        |
| 1,1,1-Trichloroethane                             | A    | 10.0         | 9.67 | 0.4359259       | 0.4214058    |         | -3.3           | 20        |
| 1,1,2-Trichloroethane                             | A    | 10.0         | 10.4 | 0.164519        | 0.171764     |         | 4.4            | 20        |
| Trichloroethylene                                 | A    | 10.0         | 10.2 | 0.2220355       | 0.2258597    |         | 1.7            | 20        |
| Trichlorofluoromethane (Freon 11)                 | A    | 10.0         | 8.92 | 0.424814        | 0.3789245    |         | -10.8          | 20        |
| 1,2,3-Trichloropropane                            | A    | 10.0         | 10.2 | 0.3235542       | 0.3309084    |         | 2.3            | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A    | 10.0         | 10.5 | 0.256276        | 0.2693534    |         | 5.1            | 20        |
| 1,2,4-Trimethylbenzene                            | A    | 10.0         | 10.0 | 1.564829        | 1.564452     |         | -0.02          | 20        |

## 7 - FORM VII

### CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve233004.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004570                        | Injection Date:   | 08/21/13       |
| Lab Sample ID: | S004570-CCV1                   | Injection Time:   | 08:43          |

| COMPOUND               | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |           |         | % DIFF / DRIFT |           |
|------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
|                        |      | STD          | CCV  | ICAL            | CCV       | MIN (#) | CCV            | LIMIT (#) |
| 1,3,5-Trimethylbenzene | A    | 10.0         | 10.3 | 1.647934        | 1.702623  |         | 3.3            | 20        |
| Vinyl Chloride         | A    | 10.0         | 9.77 | 0.3258208       | 0.3183642 |         | -2.3           | 20        |
| m+p Xylene             | A    | 20.0         | 21.6 | 1.559875        | 1.685844  |         | 8.1            | 20        |
| o-Xylene               | A    | 10.0         | 11.0 | 1.492637        | 1.641602  |         | 10.0           | 20        |

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233004.D  
 Acq On : 21 Aug 2013 8:43 am  
 Operator :  
 Sample : 8260std 10ppb 1307209  
 Misc : 1  
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:47:01 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208    | 168   | 232479   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.969    | 114   | 322262   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850    | 82    | 151619   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 161493   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.124    | 65    | 82353    | 23.44  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 93.76%  |          |
| 48) TOLUENE SS                | 6.589    | 98    | 309261   | 25.10  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.40% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960    | 95    | 118321   | 26.06  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 104.24% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.945    | 85    | 24057    | 9.36   | UG/L    | 98       |
| 5) CHLOROMETHANE              | 1.018    | 50    | 10626m   | 4.02   | UG/L    |          |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 24671    | 9.77   | UG/L    | 97       |
| 7) BROMOMETHANE               | 1.272    | 94    | 12665m   | 7.74   | UG/L    |          |
| 8) CHLOROETHANE               | 1.341    | 64    | 11123    | 8.63   | UG/L    | # 83     |
| 10) FLUORODICHLOROMETHANE     | 1.375    | 67    | 34308    | 8.64   | UG/L    | 92       |
| 11) TRICHLOROFLUOROMETHANE    | 1.634    | 101   | 29364    | 8.92   | UG/L    | 99       |
| 12) DI ETHYL ETHER            | 1.793    | 59    | 13758    | 9.75   | UG/L    | # 86     |
| 13) ACROLEIN                  | 1.637    | 56    | 29292    | 84.64  | UG/L    | 99       |
| 14) ACETONE                   | 1.715    | 43    | 45860    | 82.94  | UG/L    | 95       |
| 15) 1,1-DICHLOROETHENE        | 1.946    | 61    | 31239    | 9.50   | UG/L    | 99       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.105    | 101   | 20873    | 10.51  | UG/L    | 97       |
| 17) IODOMETHANE               | 1.952    | 142   | 236912   | 78.81  | UG/L    | 93       |
| 19) METHYL ACETATE            | 2.125    | 43    | 17504    | 10.40  | UG/L    | 97       |
| 20) T-BUTYL ALCOHOL           | 2.005    | 59    | 13928m   | 114.40 | UG/L    |          |
| 21) ACRYLONITRILE             | 2.008    | 53    | 6709     | 10.70  | UG/L    | 97       |
| 22) METHYLENE CHLORIDE        | 2.055    | 49    | 30379    | 11.38  | UG/L    | # 80     |
| 23) CARBON DISULFIDE          | 2.156    | 76    | 674456   | 97.20  | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.697    | 73    | 45502    | 10.87  | UG/L    | 90       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.563    | 61    | 29690    | 10.25  | UG/L    | 91       |
| 26) 1,1-DICHLOROETHANE        | 2.786    | 63    | 38598    | 10.26  | UG/L    | # 93     |
| 28) VINYL ACETATE             | 3.006    | 43    | 400246   | 99.47  | UG/L    | 100      |
| 30) DI ISOPROYL ETHER         | 3.332    | 45    | 57891    | 10.51  | UG/L    | 95       |
| 31) 2-BUTANONE                | 3.271    | 43    | 73402    | 99.42  | UG/L    | 94       |
| 33) T-BUTYL ETHYL ETHER       | 3.731    | 59    | 51323    | 10.66  | UG/L    | 94       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.360    | 61    | 30294    | 9.73   | UG/L    | 90       |
| 35) 2,2-DICHLOROPROPANE       | 3.634    | 77    | 30904    | 10.17  | UG/L    | 96       |
| 36) ETHYL ACETATE             | 3.681    | 43    | 14610    | 10.49  | UG/L    | 98       |
| 37) BROMOCHLOROMETHANE        | 3.508    | 49    | 18081    | 10.93  | UG/L    | 90       |
| 38) TETRAHYDROFURAN           | 3.904    | 42    | 4465     | 10.20  | UG/L    | 95       |
| 39) CHLOROFORM                | 3.578    | 83    | 38647    | 10.28  | UG/L    | 97       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.275    | 97    | 32656    | 9.67   | UG/L    | 92       |
| 42) CYCLOHEXANE               | 4.520    | 56    | 36872    | 10.23  | UG/L    | # 84     |
| 43) CARBON TETRACHLORIDE      | 4.612    | 117   | 29584    | 9.67   | UG/L    | 94       |
| 44) 1,1-DICHLOROPROPENE       | 4.476    | 75    | 29944    | 9.51   | UG/L    | 97       |
| 45) BENZENE                   | 4.668    | 78    | 91138    | 10.50  | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.908    | 73    | 46283    | 10.70  | UG/L    | # 93     |
| 49) 1,2-DICHLOROETHANE        | 4.200    | 62    | 24507    | 8.45   | UG/L    | # 73     |
| 50) METHYL METHACRYLATE       | 5.733    | 41    | 13986    | 9.24   | UG/L    | # 78     |
| 51) TRICHLOROETHENE           | 5.287    | 95    | 24262    | 10.17  | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.733    | 83    | 34504    | 9.82   | UG/L    | 86       |
| 53) 1,2-DICHLOROPROPANE       | 5.237    | 63    | 22346    | 9.99   | UG/L    | # 95     |
| 54) DIBROMOMETHANE            | 5.187    | 93    | 13117    | 10.57  | UG/L    | 92       |
| 55) 1,4-DIOXANE               | 5.496    | 88    | 1817m    | 101.94 | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.323    | 83    | 28519    | 10.03  | UG/L    | 98       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.820    | 63    | 89399    | 76.54  | UG/L    | 99       |
| 58) MIBK                      | 6.121    | 43    | 171265   | 101.44 | UG/L    | 95       |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.959    | 75    | 35351    | 10.70  | UG/L    | 95       |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233004.D  
 Acq On : 21 Aug 2013 8:43 am  
 Operator :  
 Sample : 8260std 10ppb 1307209  
 Misc : 1  
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:47:01 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 60) TOLUENE                   | 6.648  | 91   | 96306    | 10.49  | UG/L   | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.378  | 75   | 28440    | 10.74  | UG/L   | 94       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 22618    | 10.36  | UG/L   | 93       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.481  | 97   | 18451    | 10.44  | UG/L   | 99       |
| 64) 2-HEXANONE                | 6.921  | 43   | 118323   | 102.33 | UG/L   | 94       |
| 65) TETRACHLOROETHENE         | 7.278  | 166  | 27001    | 9.74   | UG/L   | 97       |
| 66) 1,3-DICHLOROPROPANE       | 6.704  | 76   | 30775    | 10.74  | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.885  | 129  | 21417    | 9.97   | UG/L   | 98       |
| 68) 1,2-DIBROMOETHANE         | 7.094  | 107  | 19258    | 10.46  | UG/L   | 98       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 64471    | 11.31  | UG/L   | 99       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.816  | 131  | 20905    | 9.81   | UG/L   | 99       |
| 73) ETHYLBENZENE              | 8.095  | 91   | 106856   | 10.24  | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.282  | 91   | 170404   | 21.62  | UG/L   | 99       |
| 75) O-XYLENE                  | 8.622  | 91   | 82966    | 11.00  | UG/L   | 97       |
| 76) STYRENE                   | 8.564  | 104  | 63766    | 10.67  | UG/L   | 99       |
| 77) BROMOFORM                 | 8.282  | 173  | 15247    | 9.63   | UG/L # | 96       |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 107072   | 10.75  | UG/L   | 97       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.505  | 53   | 5948     | 10.07  | UG/L # | 80       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.611  | 83   | 23130    | 10.75  | UG/L   | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.812  | 53   | 5811     | 10.83  | UG/L   | 89       |
| 82) BROMOBENZENE              | 9.105  | 77   | 37703    | 10.65  | UG/L   | 95       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.737  | 75   | 16724    | 10.23  | UG/L   | 90       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 125643   | 11.46  | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 68567    | 11.13  | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.657  | 105  | 86050    | 10.33  | UG/L   | 99       |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 70690    | 11.00  | UG/L   | 98       |
| 89) TERT-BUTYLBENZENE         | 9.869  | 119  | 72949    | 10.01  | UG/L   | 100      |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 84216    | 10.00  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.070 | 105  | 113529   | 10.72  | UG/L   | 97       |
| 92) 1,3-DICHLOROBENZENE       | 10.078 | 146  | 50654    | 11.00  | UG/L   | 98       |
| 93) P-ISOPROPYLTOLUENE        | 10.262 | 119  | 92951    | 10.84  | UG/L   | 98       |
| 94) 1,4-DICHLOROBENZENE       | 10.142 | 146  | 48410    | 9.51   | UG/L   | 97       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 83664    | 10.55  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 45023    | 10.75  | UG/L   | 97       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.864 | 75   | 2997     | 10.76  | UG/L   | 96       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 28962    | 9.89   | UG/L   | 98       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.111 | 180  | 25304    | 11.03  | UG/L   | 98       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 13542    | 9.14   | UG/L   | 97       |
| 101) NAPHTHALENE              | 12.320 | 128  | 47468    | 12.29  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.499 | 180  | 18807    | 12.86  | UG/L   | 94       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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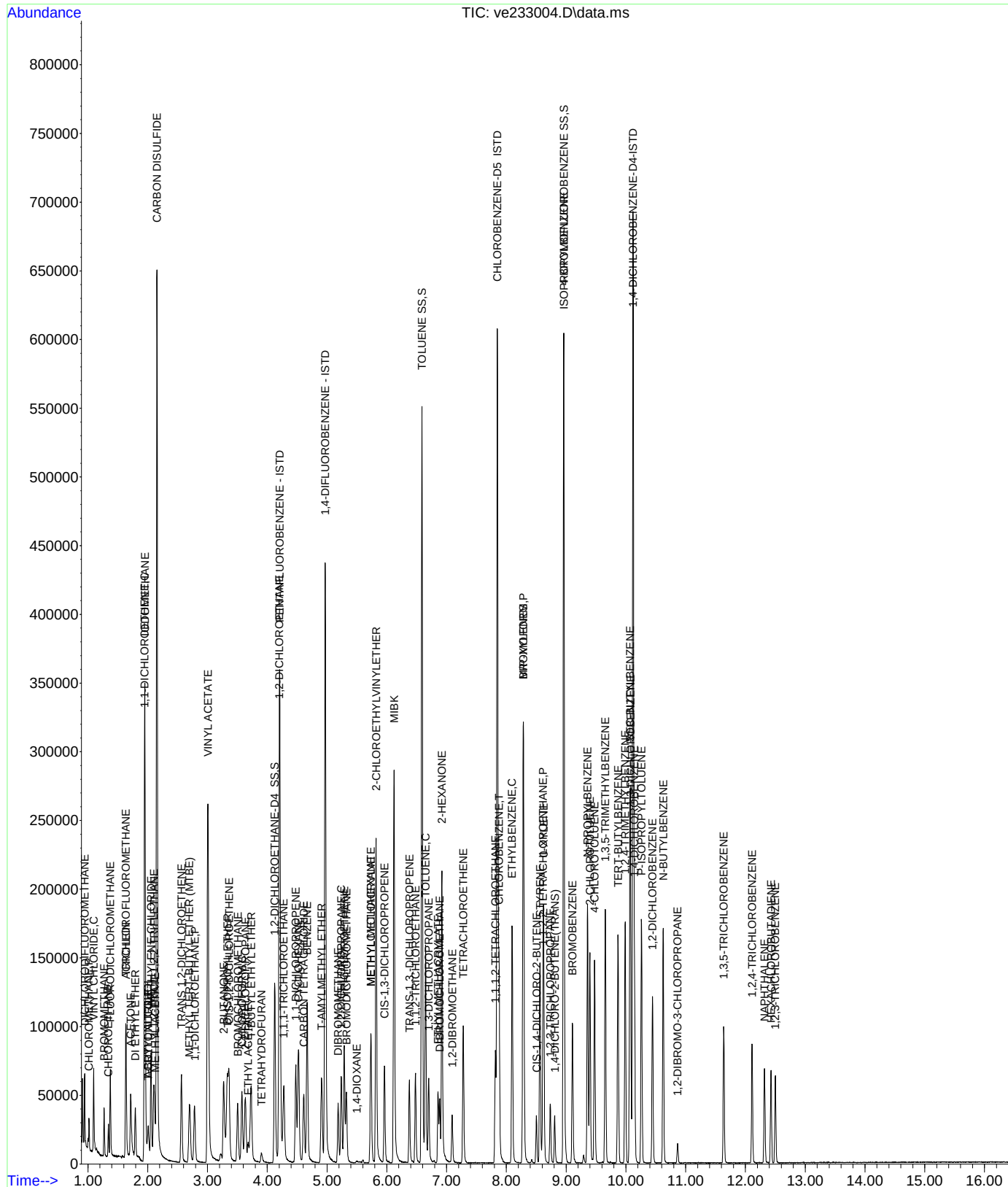
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Quant Method : C:\msdchem\1\METHODS\E051713W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Thu Jun 27 09:35:33 2013

Response via : Initial Calibration



## 7 - FORM VII

### CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve234002.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004572                        | Injection Date:   | 08/22/13       |
| Lab Sample ID: | S004572-CCV1                   | Injection Time:   | 09:29          |

| COMPOUND                      | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |              |         | % DIFF / DRIFT |           |
|-------------------------------|------|--------------|------|-----------------|--------------|---------|----------------|-----------|
|                               |      | STD          | CCV  | ICAL            | CCV          | MIN (#) | CCV            | LIMIT (#) |
| Acetone                       | A    | 100          | 86.7 | 7.134968E-02    | 6.187195E-02 |         | -13.3          | 20        |
| Acrylonitrile                 | A    | 10.0         | 10.6 | 8.087693E-02    | 8.609395E-02 |         | 6.5            | 20        |
| tert-Amyl Methyl Ether (TAME) | A    | 10.0         | 10.2 | 0.5583237       | 0.5708065    |         | 2.2            | 20        |
| Benzene                       | A    | 10.0         | 9.90 | 1.120585        | 1.109063     |         | -1.0           | 20        |
| Bromobenzene                  | A    | 10.0         | 10.3 | 0.7003925       | 0.7230221    |         | 3.2            | 20        |
| Bromochloromethane            | A    | 10.0         | 9.96 | 0.2134845       | 0.2126804    |         | -0.4           | 20        |
| Bromodichloromethane          | A    | 10.0         | 9.25 | 0.2646878       | 0.2449015    |         | -7.5           | 20        |
| Bromoform                     | A    | 10.0         | 9.09 | 0.3134229       | 0.2848463    |         | -9.1           | 20        |
| Bromomethane                  | A    | 10.0         | 14.2 | 0.2111494       | 0.3008843    |         | 42.5           | 20 *      |
| 2-Butanone (MEK)              | A    | 100          | 96.2 | 9.527142E-02    | 9.168418E-02 |         | -3.8           | 20        |
| tert-Butyl Alcohol (TBA)      | A    | 100          | 109  | 0.0157114       | 0.0171453    |         | 9.1            | 20        |
| n-Butylbenzene                | A    | 10.0         | 10.3 | 1.473402        | 1.520621     |         | 3.2            | 20        |
| sec-Butylbenzene              | A    | 10.0         | 10.6 | 1.967151        | 2.09421      |         | 6.5            | 20        |
| tert-Butylbenzene             | A    | 10.0         | 10.0 | 1.354244        | 1.3578       |         | 0.3            | 20        |
| tert-Butyl Ethyl Ether (TBEE) | A    | 10.0         | 10.3 | 0.6215235       | 0.6409453    |         | 3.1            | 20        |
| Carbon Disulfide              | A    | 100          | 91.2 | 0.8954041       | 0.8169489    |         | -8.8           | 20        |
| Carbon Tetrachloride          | A    | 10.0         | 8.82 | 0.3949352       | 0.3483468    |         | -11.8          | 20        |
| Chlorobenzene                 | A    | 10.0         | 10.6 | 1.127694        | 1.189388     |         | 5.5            | 20        |
| Chlorodibromomethane          | A    | 10.0         | 9.41 | 0.1999028       | 0.1881917    |         | -5.9           | 20        |
| Chloroethane                  | A    | 10.0         | 8.00 | 0.1663037       | 0.1330112    |         | -20.0          | 20        |
| Chloroform                    | A    | 10.0         | 9.28 | 0.4850183       | 0.4500284    |         | -7.2           | 20        |
| Chloromethane                 | A    | 10.0         | 5.39 | 0.3410179       | 0.1838164    |         | -46.1          | 20 *      |
| 2-Chlorotoluene               | A    | 10.0         | 10.9 | 1.218465        | 1.330056     |         | 9.2            | 20        |
| 4-Chlorotoluene               | A    | 10.0         | 10.8 | 1.271738        | 1.370436     |         | 7.8            | 20        |

## 7 - FORM VII

## CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve234002.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004572                        | Injection Date:   | 08/22/13       |
| Lab Sample ID: | S004572-CCV1                   | Injection Time:   | 09:29          |

| COMPOUND                           | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |              |         | % DIFF / DRIFT |           |
|------------------------------------|------|--------------|------|-----------------|--------------|---------|----------------|-----------|
|                                    |      | STD          | CCV  | ICAL            | CCV          | MIN (#) | CCV            | LIMIT (#) |
| 1,2-Dibromo-3-chloropropane (DBCP) | A    | 10.0         | 11.0 | 5.172919E-02    | 5.675825E-02 |         | 9.7            | 20        |
| 1,2-Dibromoethane (EDB)            | A    | 10.0         | 9.53 | 0.1713981       | 0.1633257    |         | -4.7           | 20        |
| Dibromomethane                     | A    | 10.0         | 9.88 | 0.115482        | 0.1140461    |         | -1.2           | 20        |
| 1,2-Dichlorobenzene                | A    | 10.0         | 10.5 | 0.7781515       | 0.8154776    |         | 4.8            | 20        |
| 1,3-Dichlorobenzene                | A    | 10.0         | 10.6 | 0.8552778       | 0.9068092    |         | 6.0            | 20        |
| 1,4-Dichlorobenzene                | A    | 10.0         | 9.17 | 0.9458815       | 0.8670159    |         | -8.3           | 20        |
| trans-1,4-Dichloro-2-butene        | A    | 10.0         | 10.9 | 0.1061309       | 0.1156858    |         | 9.0            | 20        |
| Dichlorodifluoromethane (Freon 12) | A    | 10.0         | 8.25 | 0.3316602       | 0.2735376    |         | -17.5          | 20        |
| 1,1-Dichloroethane                 | A    | 10.0         | 9.55 | 0.485378        | 0.4636129    |         | -4.5           | 20        |
| 1,2-Dichloroethane                 | A    | 10.0         | 8.12 | 0.2699794       | 0.2192525    |         | -18.8          | 20        |
| 1,1-Dichloroethylene               | A    | 10.0         | 8.85 | 0.4242032       | 0.3755512    |         | -11.5          | 20        |
| cis-1,2-Dichloroethylene           | A    | 10.0         | 8.92 | 0.4016163       | 0.358221     |         | -10.8          | 20        |
| trans-1,2-Dichloroethylene         | A    | 10.0         | 9.91 | 0.3737704       | 0.3702289    |         | -0.9           | 20        |
| 1,2-Dichloropropane                | A    | 10.0         | 9.66 | 0.2082147       | 0.2010597    |         | -3.4           | 20        |
| 1,3-Dichloropropane                | A    | 10.0         | 9.92 | 0.2667256       | 0.264495     |         | -0.8           | 20        |
| 2,2-Dichloropropane                | A    | 10.0         | 9.65 | 0.3921449       | 0.3785739    |         | -3.5           | 20        |
| 1,1-Dichloropropene                | A    | 10.0         | 9.11 | 0.4063944       | 0.3702881    |         | -8.9           | 20        |
| cis-1,3-Dichloropropene            | A    | 10.0         | 9.94 | 0.3075397       | 0.3056745    |         | -0.6           | 20        |
| trans-1,3-Dichloropropene          | A    | 10.0         | 9.82 | 0.2465436       | 0.2421696    |         | -1.8           | 20        |
| Diethyl Ether                      | A    | 10.0         | 9.49 | 0.1820586       | 0.1728161    |         | -5.1           | 20        |
| Diisopropyl Ether (DIPE)           | A    | 10.0         | 9.95 | 0.7107587       | 0.7069471    |         | -0.5           | 20        |
| 1,4-Dioxane                        | A    | 100          | 91.5 | 1.659301E-03    | 1.518236E-03 |         | -8.5           | 20        |
| Ethylbenzene                       | A    | 10.0         | 9.82 | 2.065389        | 2.028643     |         | -1.8           | 20        |
| Hexachlorobutadiene                | A    | 10.0         | 9.02 | 0.2752574       | 0.2483241    |         | -9.8           | 20        |
| 2-Hexanone (MBK)                   | A    | 100          | 102  | 0.1076445       | 0.1096341    |         | 1.8            | 20        |

# 7 - FORM VII

## CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve234002.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004572                        | Injection Date:   | 08/22/13       |
| Lab Sample ID: | S004572-CCV1                   | Injection Time:   | 09:29          |

| COMPOUND                                          | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |              |         | % DIFF / DRIFT |           |
|---------------------------------------------------|------|--------------|------|-----------------|--------------|---------|----------------|-----------|
|                                                   |      | STD          | CCV  | ICAL            | CCV          | MIN (#) | CCV            | LIMIT (#) |
| Isopropylbenzene (Cumene)                         | A    | 10.0         | 10.7 | 1.96985         | 2.101232     |         | 6.7            | 20        |
| p-Isopropyltoluene (p-Cymene)                     | A    | 10.0         | 10.6 | 1.593628        | 1.6885       |         | 6.0            | 20        |
| Methyl tert-Butyl Ether (MTBE)                    | A    | 10.0         | 10.3 | 0.5403094       | 0.5552425    |         | 2.8            | 20        |
| Methylene Chloride                                | A    | 10.0         | 11.7 | 0.344631        | 0.402483     |         | 16.8           | 20        |
| 4-Methyl-2-pentanone (MIBK)                       | A    | 100          | 101  | 0.1571706       | 0.1584351    |         | 0.8            | 20        |
| Naphthalene                                       | A    | 10.0         | 12.3 | 0.7173134       | 0.883802     |         | 23.2           | 20 *      |
| n-Propylbenzene                                   | A    | 10.0         | 11.2 | 2.168905        | 2.419439     |         | 11.6           | 20        |
| Styrene                                           | A    | 10.0         | 10.3 | 1.18214         | 1.214937     |         | 2.8            | 20        |
| 1,1,1,2-Tetrachloroethane                         | A    | 10.0         | 9.26 | 0.4217188       | 0.3905693    |         | -7.4           | 20        |
| 1,1,2,2-Tetrachloroethane                         | A    | 10.0         | 10.4 | 0.4256722       | 0.4419495    |         | 3.8            | 20        |
| Tetrachloroethylene                               | A    | 10.0         | 9.39 | 0.2579545       | 0.2421783    |         | -6.1           | 20        |
| Tetrahydrofuran                                   | A    | 10.0         | 10.6 | 5.649186E-02    | 5.977857E-02 |         | 5.8            | 20        |
| Toluene                                           | A    | 10.0         | 9.89 | 0.8549861       | 0.8460013    |         | -1.1           | 20        |
| 1,2,3-Trichlorobenzene                            | A    | 10.0         | 12.5 | 0.2717194       | 0.3392982    |         | 24.9           | 20 *      |
| 1,2,4-Trichlorobenzene                            | A    | 10.0         | 10.5 | 0.4263482       | 0.4475411    |         | 5.0            | 20        |
| 1,3,5-Trichlorobenzene                            | A    | 10.0         | 9.94 | 0.5442242       | 0.5407676    |         | -0.6           | 20        |
| 1,1,1-Trichloroethane                             | A    | 10.0         | 9.09 | 0.4359259       | 0.3960819    |         | -9.1           | 20        |
| 1,1,2-Trichloroethane                             | A    | 10.0         | 9.86 | 0.164519        | 0.1622729    |         | -1.4           | 20        |
| Trichloroethylene                                 | A    | 10.0         | 9.48 | 0.2220355       | 0.2105346    |         | -5.2           | 20        |
| Trichlorofluoromethane (Freon 11)                 | A    | 10.0         | 8.10 | 0.424814        | 0.3442691    |         | -19.0          | 20        |
| 1,2,3-Trichloropropane                            | A    | 10.0         | 9.76 | 0.3235542       | 0.3157349    |         | -2.4           | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | A    | 10.0         | 9.98 | 0.256276        | 0.2557214    |         | -0.2           | 20        |
| 1,2,4-Trimethylbenzene                            | A    | 10.0         | 9.77 | 1.564829        | 1.528898     |         | -2.3           | 20        |



## 7 - FORM VII

### CONTINUING CALIBRATION VERIFICATION

SW-846 8260C

|                |                                |                   |                |
|----------------|--------------------------------|-------------------|----------------|
| Laboratory:    | Con-Test Analytical Laboratory | Work Order:       | 13H0569        |
| Client:        | CDM Smith, Inc. - NY           | Project:          | Buffalo, NY    |
| Instrument ID: | GCMSVOA5                       | Calibration:      | 1300053        |
| Lab File ID:   | ve234002.D                     | Calibration Date: | 05/17/13 00:00 |
| Sequence:      | S004572                        | Injection Date:   | 08/22/13       |
| Lab Sample ID: | S004572-CCV1                   | Injection Time:   | 09:29          |

| COMPOUND               | TYPE | CONC. (µg/L) |      | RESPONSE FACTOR |           |         | % DIFF / DRIFT |           |
|------------------------|------|--------------|------|-----------------|-----------|---------|----------------|-----------|
|                        |      | STD          | CCV  | ICAL            | CCV       | MIN (#) | CCV            | LIMIT (#) |
| 1,3,5-Trimethylbenzene | A    | 10.0         | 10.1 | 1.647934        | 1.664019  |         | 1.0            | 20        |
| Vinyl Chloride         | A    | 10.0         | 9.33 | 0.3258208       | 0.3040255 |         | -6.7           | 20        |
| m+p Xylene             | A    | 20.0         | 20.3 | 1.559875        | 1.581561  |         | 1.4            | 20        |
| o-Xylene               | A    | 10.0         | 10.6 | 1.492637        | 1.58409   |         | 6.1            | 20        |

# Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

\* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234002.D  
 Acq On : 22 Aug 2013 9:29 am  
 Operator :  
 Sample : bfb/8260std 10ppb 1307209  
 Misc : 1  
 ALS Vial : 2 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 06:58:22 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.205    | 168   | 253084   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.969    | 114   | 344808   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.847    | 82    | 158991   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 167817   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.124    | 65    | 84914    | 22.20  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 88.80%  |          |
| 48) TOLUENE SS                | 6.587    | 98    | 327749   | 24.86  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 99.44%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.957    | 95    | 120586   | 25.33  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 101.32% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.943    | 85    | 23076    | 8.25   | UG/L    | 98       |
| 5) CHLOROMETHANE              | 1.018    | 50    | 15507    | 5.39   | UG/L    | 99       |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 25648    | 9.33   | UG/L    | 97       |
| 7) BROMOMETHANE               | 1.272    | 94    | 25383    | 14.25  | UG/L    | 96       |
| 8) CHLOROETHANE               | 1.341    | 64    | 11221    | 8.00   | UG/L    | # 74     |
| 10) FLUORODICHLOROMETHANE     | 1.375    | 67    | 37331    | 8.63   | UG/L    | 92       |
| 11) TRICHLOROFLUOROMETHANE    | 1.634    | 101   | 29043    | 8.10   | UG/L    | 99       |
| 12) DI ETHYL ETHER            | 1.790    | 59    | 14579    | 9.49   | UG/L    | # 86     |
| 13) ACROLEIN                  | 1.634    | 56    | 29971    | 79.55  | UG/L    | 99       |
| 14) ACETONE                   | 1.715    | 43    | 52196    | 86.72  | UG/L    | 97       |
| 15) 1,1-DICHLOROETHENE        | 1.944    | 61    | 31682    | 8.85   | UG/L    | 99       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.103    | 101   | 21573    | 9.98   | UG/L    | 97       |
| 17) IODOMETHANE               | 1.952    | 142   | 247666   | 76.09  | UG/L    | 93       |
| 19) METHYL ACETATE            | 2.125    | 43    | 17917    | 9.78   | UG/L    | 97       |
| 20) T-BUTYL ALCOHOL           | 2.000    | 59    | 14464    | 109.13 | UG/L    | # 95     |
| 21) ACRYLONITRILE             | 2.008    | 53    | 7263     | 10.65  | UG/L    | 97       |
| 22) METHYLENE CHLORIDE        | 2.055    | 49    | 33954    | 11.68  | UG/L    | # 83     |
| 23) CARBON DISULFIDE          | 2.156    | 76    | 689189   | 91.24  | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.699    | 73    | 46841    | 10.28  | UG/L    | 90       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.563    | 61    | 31233    | 9.91   | UG/L    | 94       |
| 26) 1,1-DICHLOROETHANE        | 2.783    | 63    | 39111    | 9.55   | UG/L    | 98       |
| 28) VINYL ACETATE             | 3.006    | 43    | 439365   | 100.30 | UG/L    | 100      |
| 30) DI ISOPROYL ETHER         | 3.330    | 45    | 59639    | 9.95   | UG/L    | 96       |
| 31) 2-BUTANONE                | 3.268    | 43    | 77346    | 96.23  | UG/L    | 94       |
| 33) T-BUTYL ETHYL ETHER       | 3.728    | 59    | 54071    | 10.31  | UG/L    | # 93     |
| 34) CIS-1,2-DICHLOROETHENE    | 3.358    | 61    | 30220    | 8.92   | UG/L    | 88       |
| 35) 2,2-DICHLOROPROPANE       | 3.631    | 77    | 31937    | 9.65   | UG/L    | 99       |
| 36) ETHYL ACETATE             | 3.675    | 43    | 15028    | 9.91   | UG/L    | # 90     |
| 37) BROMOCHLOROMETHANE        | 3.505    | 49    | 17942    | 9.96   | UG/L    | 92       |
| 38) TETRAHYDROFURAN           | 3.907    | 42    | 5043     | 10.58  | UG/L    | 96       |
| 39) CHLOROFORM                | 3.572    | 83    | 37965    | 9.28   | UG/L    | 96       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.275    | 97    | 33414    | 9.09   | UG/L    | 96       |
| 42) CYCLOHEXANE               | 4.520    | 56    | 37285    | 9.50   | UG/L    | # 81     |
| 43) CARBON TETRACHLORIDE      | 4.612    | 117   | 29387    | 8.82   | UG/L    | 97       |
| 44) 1,1-DICHLOROPROPENE       | 4.476    | 75    | 31238    | 9.11   | UG/L    | 96       |
| 45) BENZENE                   | 4.665    | 78    | 93562    | 9.90   | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.908    | 73    | 48154    | 10.22  | UG/L    | # 93     |
| 49) 1,2-DICHLOROETHANE        | 4.200    | 62    | 25200    | 8.12   | UG/L    | # 72     |
| 50) METHYL METHACRYLATE       | 5.734    | 41    | 14894    | 9.19   | UG/L    | # 73     |
| 51) TRICHLOROETHENE           | 5.287    | 95    | 24198    | 9.48   | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.736    | 83    | 35675    | 9.49   | UG/L    | 87       |
| 53) 1,2-DICHLOROPROPANE       | 5.237    | 63    | 23109    | 9.66   | UG/L    | # 97     |
| 54) DIBROMOMETHANE            | 5.184    | 93    | 13108    | 9.88   | UG/L    | 93       |
| 55) 1,4-DIOXANE               | 5.499    | 88    | 1745m    | 91.50  | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.324    | 83    | 28148    | 9.25   | UG/L    | 99       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.820    | 63    | 84163    | 67.34  | UG/L    | 100      |
| 58) MIBK                      | 6.118    | 43    | 182099m  | 100.80 | UG/L    |          |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.959    | 75    | 35133    | 9.94   | UG/L    | 96       |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234002.D  
 Acq On : 22 Aug 2013 9:29 am  
 Operator :  
 Sample : bfb/8260std 10ppb 1307209  
 Misc : 1  
 ALS Vial : 2 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 06:58:22 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

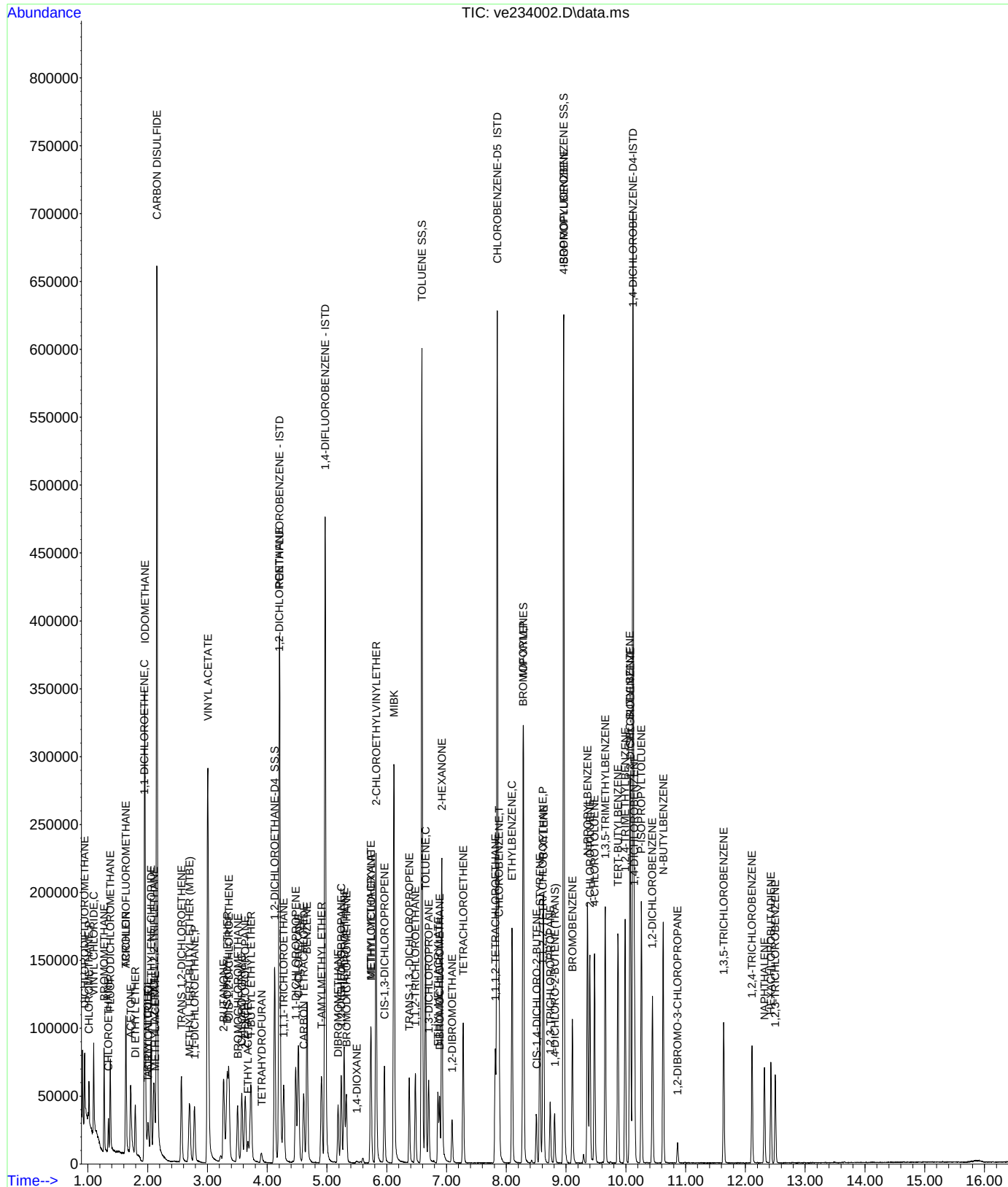
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 60) TOLUENE                   | 6.648  | 91   | 97236    | 9.89   | UG/L  | 99       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.375  | 75   | 27834    | 9.82   | UG/L  | 95       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 23537    | 10.08  | UG/L  | 93       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.478  | 97   | 18651    | 9.86   | UG/L  | 99       |
| 64) 2-HEXANONE                | 6.921  | 43   | 126009   | 101.85 | UG/L  | 92       |
| 65) TETRACHLOROETHENE         | 7.278  | 166  | 27835    | 9.39   | UG/L  | 100      |
| 66) 1,3-DICHLOROPROPANE       | 6.701  | 76   | 30400    | 9.92   | UG/L  | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.885  | 129  | 21630    | 9.41   | UG/L  | 98       |
| 68) 1,2-DIBROMOETHANE         | 7.092  | 107  | 18772    | 9.53   | UG/L  | 99       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 63034    | 10.55  | UG/L  | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.817  | 131  | 20699    | 9.26   | UG/L  | 98       |
| 73) ETHYLBENZENE              | 8.095  | 91   | 107512   | 9.82   | UG/L  | 95       |
| 74) M/P-XYLENES               | 8.285  | 91   | 167636   | 20.28  | UG/L  | 98       |
| 75) O-XYLENE                  | 8.623  | 91   | 83952    | 10.61  | UG/L  | 97       |
| 76) STYRENE                   | 8.561  | 104  | 64388    | 10.28  | UG/L  | 99       |
| 77) BROMOFORM                 | 8.280  | 173  | 15096    | 9.09   | UG/L  | 98       |
| 78) ISOPROPYLBENZENE          | 8.960  | 105  | 111359   | 10.67  | UG/L  | 97       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.505  | 53   | 6281     | 10.15  | UG/L  | # 76     |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.609  | 83   | 23422    | 10.38  | UG/L  | 97       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.809  | 53   | 6131     | 10.90  | UG/L  | 88       |
| 82) BROMOBENZENE              | 9.105  | 77   | 38318    | 10.32  | UG/L  | 94       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.734  | 75   | 16733    | 9.76   | UG/L  | 91       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 128223   | 11.16  | UG/L  | 97       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 70489    | 10.92  | UG/L  | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.654  | 105  | 88188    | 10.10  | UG/L  | 99       |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 72629    | 10.78  | UG/L  | 98       |
| 89) TERT-BUTYLBENZENE         | 9.866  | 119  | 75954    | 10.03  | UG/L  | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.986  | 105  | 85525    | 9.77   | UG/L  | 99       |
| 91) SEC-BUTYLBENZENE          | 10.067 | 105  | 117148   | 10.65  | UG/L  | 97       |
| 92) 1,3-DICHLOROBENZENE       | 10.075 | 146  | 50726    | 10.60  | UG/L  | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.259 | 119  | 94453    | 10.60  | UG/L  | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.142 | 146  | 48500    | 9.17   | UG/L  | 96       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 85062    | 10.32  | UG/L  | 95       |
| 96) 1,2-DICHLOROBENZENE       | 10.444 | 146  | 45617    | 10.48  | UG/L  | 97       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.865 | 75   | 3175     | 10.97  | UG/L  | 95       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 30250    | 9.94   | UG/L  | 96       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.108 | 180  | 25035    | 10.50  | UG/L  | 99       |
| 100) HEXACHLOROBUTADIENE      | 12.426 | 225  | 13891    | 9.02   | UG/L  | 95       |
| 101) NAPHTHALENE              | 12.317 | 128  | 49439    | 12.32  | UG/L  | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.499 | 180  | 18980    | 12.49  | UG/L  | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

176

Inst : GCMSV0A5

Quant Time: Aug 23 06:58:22 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



## 8 - FORM VIII

### INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Sequence: S004570

Instrument: GCMSVOA5

Calibration: 1300053

| Internal Standard                        | Response | RT     | Reference Response             | Reference RT | Area % | Area % Limits                   | RT Diff | RT Diff Limit | Q |
|------------------------------------------|----------|--------|--------------------------------|--------------|--------|---------------------------------|---------|---------------|---|
| <b>Calibration Check (S004570-CCV1 )</b> |          |        | <i>Lab File ID: ve233004.D</i> |              |        | <i>Analyzed: 08/21/13 08:43</i> |         |               |   |
| Pentafluorobenzene                       | 232479   | 4.208  | 273820                         | 4.297        | 85     | 50 - 200                        | -0.0890 | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 322262   | 4.969  | 372238                         | 5.056        | 87     | 50 - 200                        | -0.0870 | +/-0.50       |   |
| Chlorobenzene-d5                         | 151619   | 7.85   | 170912                         | 7.925        | 89     | 50 - 200                        | -0.0750 | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 161493   | 10.12  | 178668                         | 10.19        | 90     | 50 - 200                        | -0.0700 | +/-0.50       |   |
| <b>LCS (B079226-BS1 )</b>                |          |        | <i>Lab File ID: ve233006.D</i> |              |        | <i>Analyzed: 08/21/13 09:36</i> |         |               |   |
| Pentafluorobenzene                       | 237079   | 4.208  | 232479                         | 4.208        | 102    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 321738   | 4.969  | 322262                         | 4.969        | 100    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| Chlorobenzene-d5                         | 153475   | 7.847  | 151619                         | 7.85         | 101    | 50 - 200                        | -0.0030 | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 166638   | 10.12  | 161493                         | 10.12        | 103    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>LCS Dup (B079226-BSD1 )</b>           |          |        | <i>Lab File ID: ve233007.D</i> |              |        | <i>Analyzed: 08/21/13 10:02</i> |         |               |   |
| Pentafluorobenzene                       | 229620   | 4.208  | 232479                         | 4.208        | 99     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 315926   | 4.972  | 322262                         | 4.969        | 98     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                         | 150392   | 7.85   | 151619                         | 7.85         | 99     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 162907   | 10.12  | 161493                         | 10.12        | 101    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>Blank (B079226-BLK1 )</b>             |          |        | <i>Lab File ID: ve233010.D</i> |              |        | <i>Analyzed: 08/21/13 11:22</i> |         |               |   |
| Pentafluorobenzene                       | 234373   | 4.208  | 232479                         | 4.208        | 101    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 325223   | 4.972  | 322262                         | 4.969        | 101    | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                         | 149941   | 7.85   | 151619                         | 7.85         | 99     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 166835   | 10.123 | 161493                         | 10.12        | 103    | 50 - 200                        | 0.0030  | +/-0.50       |   |
| <b>FB-02_08-14-13 (13H0569-03 )</b>      |          |        | <i>Lab File ID: ve233011.D</i> |              |        | <i>Analyzed: 08/21/13 11:48</i> |         |               |   |
| Pentafluorobenzene                       | 231342   | 4.208  | 232479                         | 4.208        | 100    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 320602   | 4.972  | 322262                         | 4.969        | 99     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                         | 147430   | 7.85   | 151619                         | 7.85         | 97     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 157166   | 10.12  | 161493                         | 10.12        | 97     | 50 - 200                        | 0.0000  | +/-0.50       |   |

## 8 - FORM VIII

### INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Sequence: S004570

Instrument: GCMSVOA5

Calibration: 1300053

| Internal Standard                  | Response | RT     | Reference Response             | Reference RT | Area % | Area % Limits                   | RT Diff | RT Diff Limit | Q |
|------------------------------------|----------|--------|--------------------------------|--------------|--------|---------------------------------|---------|---------------|---|
| <b>TB-03_08-14-13 (13H0569-04)</b> |          |        | <i>Lab File ID: ve233012.D</i> |              |        | <i>Analyzed: 08/21/13 12:14</i> |         |               |   |
| Pentafluorobenzene                 | 230552   | 4.211  | 232479                         | 4.208        | 99     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Difluorobenzene                | 322519   | 4.972  | 322262                         | 4.969        | 100    | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                   | 152103   | 7.85   | 151619                         | 7.85         | 100    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4             | 164427   | 10.12  | 161493                         | 10.12        | 102    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>MW-04_08-14-13 (13H0569-01)</b> |          |        | <i>Lab File ID: ve233014.D</i> |              |        | <i>Analyzed: 08/21/13 13:07</i> |         |               |   |
| Pentafluorobenzene                 | 237543   | 4.197  | 232479                         | 4.208        | 102    | 50 - 200                        | -0.0110 | +/-0.50       |   |
| 1,4-Difluorobenzene                | 328646   | 4.964  | 322262                         | 4.969        | 102    | 50 - 200                        | -0.0050 | +/-0.50       |   |
| Chlorobenzene-d5                   | 151902   | 7.847  | 151619                         | 7.85         | 100    | 50 - 200                        | -0.0030 | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4             | 168004   | 10.123 | 161493                         | 10.12        | 104    | 50 - 200                        | 0.0030  | +/-0.50       |   |
| <b>FD-01_08-14-13 (13H0569-05)</b> |          |        | <i>Lab File ID: ve233016.D</i> |              |        | <i>Analyzed: 08/21/13 14:07</i> |         |               |   |
| Pentafluorobenzene                 | 233444   | 4.186  | 232479                         | 4.208        | 100    | 50 - 200                        | -0.0220 | +/-0.50       |   |
| 1,4-Difluorobenzene                | 317586   | 4.953  | 322262                         | 4.969        | 99     | 50 - 200                        | -0.0160 | +/-0.50       |   |
| Chlorobenzene-d5                   | 147702   | 7.847  | 151619                         | 7.85         | 97     | 50 - 200                        | -0.0030 | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4             | 162214   | 10.12  | 161493                         | 10.12        | 100    | 50 - 200                        | 0.0000  | +/-0.50       |   |

## 8 - FORM VIII

### INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Sequence: S004572

Instrument: GCMSVOA5

Calibration: 1300053

| Internal Standard                        | Response | RT    | Reference Response             | Reference RT | Area % | Area % Limits                   | RT Diff | RT Diff Limit | Q |
|------------------------------------------|----------|-------|--------------------------------|--------------|--------|---------------------------------|---------|---------------|---|
| <b>Calibration Check (S004572-CCV1 )</b> |          |       | <i>Lab File ID: ve234002.D</i> |              |        | <i>Analyzed: 08/22/13 09:29</i> |         |               |   |
| Pentafluorobenzene                       | 253084   | 4.205 | 273820                         | 4.297        | 92     | 50 - 200                        | -0.0920 | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 344808   | 4.969 | 372238                         | 5.056        | 93     | 50 - 200                        | -0.0870 | +/-0.50       |   |
| Chlorobenzene-d5                         | 158991   | 7.847 | 170912                         | 7.925        | 93     | 50 - 200                        | -0.0780 | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 167817   | 10.12 | 178668                         | 10.19        | 94     | 50 - 200                        | -0.0700 | +/-0.50       |   |
| <b>LCS (B079321-BS1 )</b>                |          |       | <i>Lab File ID: ve234004.D</i> |              |        | <i>Analyzed: 08/22/13 10:22</i> |         |               |   |
| Pentafluorobenzene                       | 252184   | 4.208 | 253084                         | 4.205        | 100    | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 349888   | 4.969 | 344808                         | 4.969        | 101    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| Chlorobenzene-d5                         | 161433   | 7.85  | 158991                         | 7.847        | 102    | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 169194   | 10.12 | 167817                         | 10.12        | 101    | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>LCS Dup (B079321-BSD1 )</b>           |          |       | <i>Lab File ID: ve234005.D</i> |              |        | <i>Analyzed: 08/22/13 10:48</i> |         |               |   |
| Pentafluorobenzene                       | 247607   | 4.208 | 253084                         | 4.205        | 98     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 342628   | 4.972 | 344808                         | 4.969        | 99     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                         | 156245   | 7.85  | 158991                         | 7.847        | 98     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 165069   | 10.12 | 167817                         | 10.12        | 98     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>Blank (B079321-BLK1 )</b>             |          |       | <i>Lab File ID: ve234008.D</i> |              |        | <i>Analyzed: 08/22/13 12:07</i> |         |               |   |
| Pentafluorobenzene                       | 227658   | 4.205 | 253084                         | 4.205        | 90     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 311226   | 4.97  | 344808                         | 4.969        | 90     | 50 - 200                        | 0.0010  | +/-0.50       |   |
| Chlorobenzene-d5                         | 148518   | 7.847 | 158991                         | 7.847        | 93     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 165772   | 10.12 | 167817                         | 10.12        | 99     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>MW-06_08-14-13 (13H0569-02 )</b>      |          |       | <i>Lab File ID: ve234010.D</i> |              |        | <i>Analyzed: 08/22/13 13:15</i> |         |               |   |
| Pentafluorobenzene                       | 239345   | 4.208 | 253084                         | 4.205        | 95     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Difluorobenzene                      | 332117   | 4.969 | 344808                         | 4.969        | 96     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| Chlorobenzene-d5                         | 146119   | 7.85  | 158991                         | 7.847        | 92     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                   | 154477   | 10.12 | 167817                         | 10.12        | 92     | 50 - 200                        | 0.0000  | +/-0.50       |   |

## 8 - FORM VIII

### INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Sequence: S004572

Instrument: GCMSVOA5

Calibration: 1300053

| Internal Standard                       | Response | RT    | Reference Response             | Reference RT | Area % | Area % Limits                   | RT Diff | RT Diff Limit | Q |
|-----------------------------------------|----------|-------|--------------------------------|--------------|--------|---------------------------------|---------|---------------|---|
| <b>Matrix Spike (B079321-MS1 )</b>      |          |       | <i>Lab File ID: ve234021.D</i> |              |        | <i>Analyzed: 08/22/13 18:08</i> |         |               |   |
| Pentafluorobenzene                      | 243401   | 4.208 | 253084                         | 4.205        | 96     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Difluorobenzene                     | 339022   | 4.972 | 344808                         | 4.969        | 98     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                        | 154749   | 7.85  | 158991                         | 7.847        | 97     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                  | 159438   | 10.12 | 167817                         | 10.12        | 95     | 50 - 200                        | 0.0000  | +/-0.50       |   |
| <b>Matrix Spike Dup (B079321-MSD1 )</b> |          |       | <i>Lab File ID: ve234022.D</i> |              |        | <i>Analyzed: 08/22/13 18:35</i> |         |               |   |
| Pentafluorobenzene                      | 234398   | 4.211 | 253084                         | 4.205        | 93     | 50 - 200                        | 0.0060  | +/-0.50       |   |
| 1,4-Difluorobenzene                     | 328935   | 4.972 | 344808                         | 4.969        | 95     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| Chlorobenzene-d5                        | 148311   | 7.85  | 158991                         | 7.847        | 93     | 50 - 200                        | 0.0030  | +/-0.50       |   |
| 1,4-Dichlorobenzene-d4                  | 158462   | 10.12 | 167817                         | 10.12        | 94     | 50 - 200                        | 0.0000  | +/-0.50       |   |



# VOLATILES QC DATA

# 1 - FORM I

## ANALYSIS DATA SHEET

Blank

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079226-BLK1 File ID: ve233010.D  
 Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 11:22  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            |              | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      |              | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            |              | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       |              | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 |              | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               |              | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          |              | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       |              | 0.94  | 2.0  | V-05       |
| 78-93-3  | 2-Butanone (MEK)                   |              | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     |              | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   |              | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  |              | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   |              | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               |              | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      |              | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               |              | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       |              | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         |              | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      |              | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    |              | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    |              | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 0.34  | 5.0  |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

Blank

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079226-BLK1      File ID: ve233010.D  
 Sampled:      Prepared: 08/21/13 06:39      Analyzed: 08/21/13 11:22  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 0.089 | 0.50 |      |
| 74-95-3    | Dibromomethane                     |              | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 |              | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 |              | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               |              | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           |              | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                |              | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                |              | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                |              | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                |              | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      |              | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        |              | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       |              | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                |              | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 0.11  | 1.0  |      |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      |              | 0.12  | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

Blank

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079226-BLK1      File ID: ve233010.D  
 Sampled:      Prepared: 08/21/13 06:39      Analyzed: 08/21/13 11:22  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079226      Sequence: S004570      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q |
|---------------|---------------------------------------------------|--------------|-------|------|---|
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 0.090 | 1.0  |   |
| 75-09-2       | Methylene Chloride                                |              | 3.2   | 5.0  |   |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 1.5   | 10   |   |
| 91-20-3       | Naphthalene                                       |              | 0.12  | 2.0  |   |
| 103-65-1      | n-Propylbenzene                                   |              | 0.094 | 1.0  |   |
| 100-42-5      | Styrene                                           |              | 0.12  | 1.0  |   |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 0.12  | 1.0  |   |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 0.12  | 0.50 |   |
| 127-18-4      | Tetrachloroethylene                               |              | 0.080 | 1.0  |   |
| 109-99-9      | Tetrahydrofuran                                   |              | 1.1   | 10   |   |
| 108-88-3      | Toluene                                           |              | 0.090 | 1.0  |   |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 0.14  | 5.0  |   |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 0.12  | 1.0  |   |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 0.14  | 1.0  |   |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 0.094 | 1.0  |   |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 0.12  | 1.0  |   |
| 79-01-6       | Trichloroethylene                                 |              | 0.077 | 1.0  |   |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 0.15  | 2.0  |   |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 0.12  | 2.0  |   |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 0.092 | 1.0  |   |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 0.18  | 1.0  |   |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 0.10  | 1.0  |   |
| 75-01-4       | Vinyl Chloride                                    |              | 0.13  | 2.0  |   |
| 108383/106423 | m+p Xylene                                        |              | 0.18  | 2.0  |   |
| 95-47-6       | o-Xylene                                          |              | 0.11  | 1.0  |   |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233010.D  
 Acq On : 21 Aug 2013 11:22 am  
 Operator :  
 Sample : b0-blk1  
 Misc : 1  
 ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:50:59 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

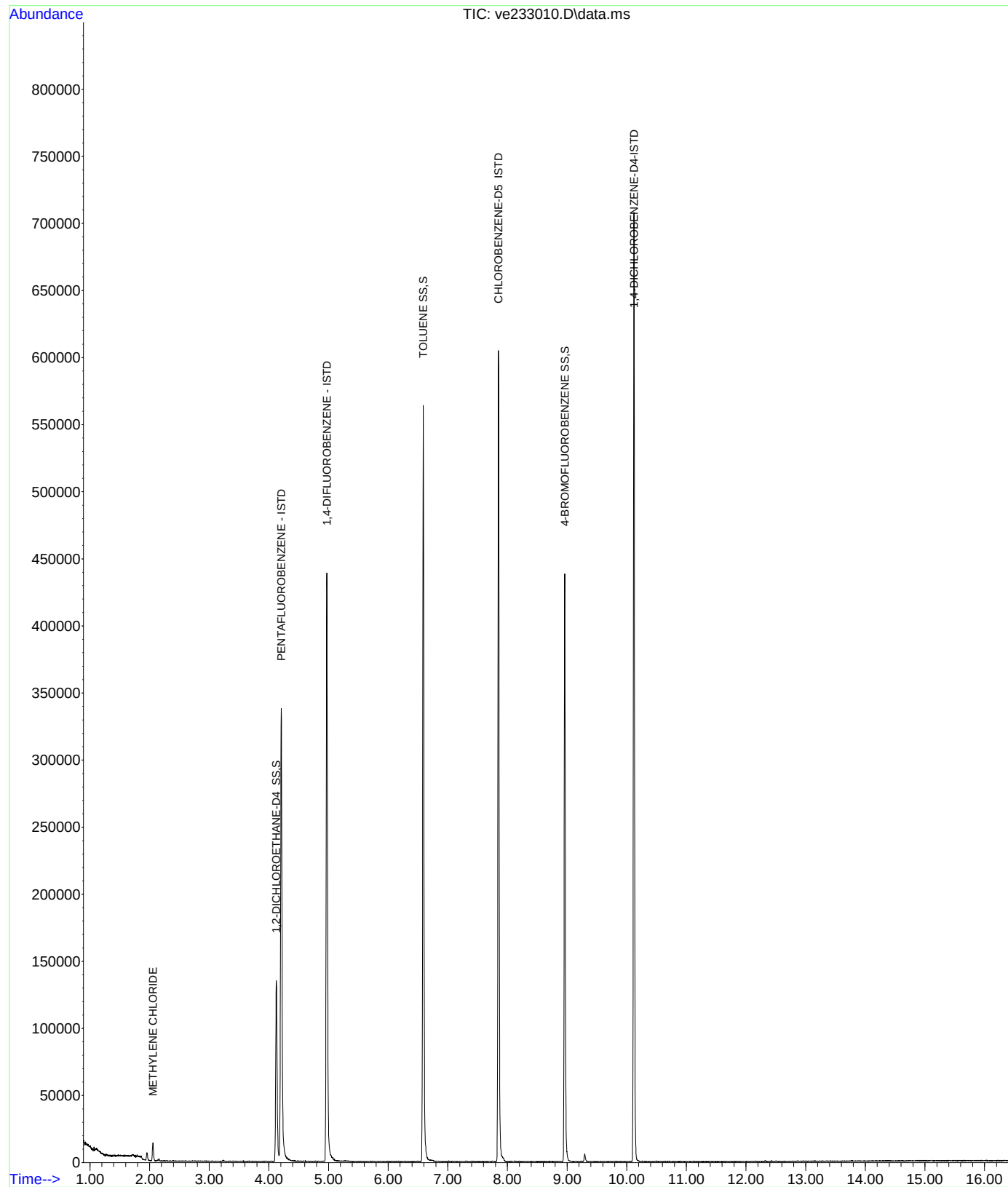
| Compound                      | R.T.           | QIon | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|----------------|------|----------|-------|---------|----------|
| Internal Standards            |                |      |          |       |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208          | 168  | 234373   | 30.00 | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972          | 114  | 325223   | 30.00 | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850          | 82   | 149941   | 30.00 | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.123         | 152  | 166835   | 30.00 | UG/L    | 0.00     |
| System Monitoring Compounds   |                |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.124          | 65   | 82954    | 23.42 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 93.68%  |          |
| 48) TOLUENE SS                | 6.590          | 98   | 314302   | 25.28 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 101.12% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960          | 95   | 118132   | 26.31 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 105.24% |          |
| Target Compounds              |                |      |          |       |         | Qvalue   |
| 22) METHYLENE CHLORIDE        | 2.058          | 49   | 5684     | 2.11  | UG/L    | # 85     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\082113\  
Data File : ve233010.D  
Acq On : 21 Aug 2013 11:22 am  
Operator :  
Sample : b0-blk1  
Misc : 1  
ALS Vial : 10 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:50:59 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079226-BS1 File ID: ve233006.D  
 Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 09:36  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            | 75.1         | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      | 10.4         | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      | 10.4         | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            | 9.38         | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       | 9.72         | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 | 10.4         | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               | 9.61         | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          | 8.87         | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       | 3.90         | 0.94  | 2.0  | L-07, V-05 |
| 78-93-3  | 2-Butanone (MEK)                   | 90.6         | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           | 118          | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     | 9.49         | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   | 9.80         | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  | 9.08         | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      | 10.6         | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   | 9.88         | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               | 8.78         | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      | 10.1         | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               | 9.47         | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       | 8.15         | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         | 9.54         | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      | 2.68         | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    | 9.82         | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    | 10.6         | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) | 10.8         | 0.34  | 5.0  |            |
| 106-93-4 | 1,2-Dibromoethane (EDB)            | 10.4         | 0.089 | 0.50 |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

LCS

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079226-BS1 File ID: ve233006.D  
 Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 09:36  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 74-95-3    | Dibromomethane                     | 10.1         | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                | 9.84         | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                | 9.75         | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                | 8.93         | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        | 9.53         | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) | 5.81         | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 | 10.2         | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 | 8.34         | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               | 8.98         | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           | 8.84         | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         | 9.97         | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                | 9.86         | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                | 10.1         | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                | 9.64         | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                | 9.03         | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            | 9.90         | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          | 10.5         | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      | 9.15         | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           | 11.0         | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        | 97.0         | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       | 9.48         | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                | 9.54         | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   | 95.1         | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          | 9.88         | 0.11  | 1.0  |      |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      | 9.62         | 0.12  | 1.0  |      |
| 1634-04-4  | Methyl tert-Butyl Ether (MTBE)     | 11.3         | 0.090 | 1.0  |      |



# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079226-BS1 File ID: ve233006.D  
 Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 09:36  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q    |
|---------------|---------------------------------------------------|--------------|-------|------|------|
| 75-09-2       | Methylene Chloride                                | 11.2         | 3.2   | 5.0  |      |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       | 94.1         | 1.5   | 10   |      |
| 91-20-3       | Naphthalene                                       | 12.2         | 0.12  | 2.0  | V-20 |
| 103-65-1      | n-Propylbenzene                                   | 10.5         | 0.094 | 1.0  |      |
| 100-42-5      | Styrene                                           | 9.85         | 0.12  | 1.0  |      |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         | 9.33         | 0.12  | 1.0  |      |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         | 10.3         | 0.12  | 0.50 |      |
| 127-18-4      | Tetrachloroethylene                               | 9.56         | 0.080 | 1.0  |      |
| 109-99-9      | Tetrahydrofuran                                   | 11.2         | 1.1   | 10   |      |
| 108-88-3      | Toluene                                           | 9.59         | 0.090 | 1.0  |      |
| 87-61-6       | 1,2,3-Trichlorobenzene                            | 12.8         | 0.14  | 5.0  | V-20 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            | 10.7         | 0.12  | 1.0  |      |
| 108-70-3      | 1,3,5-Trichlorobenzene                            | 9.79         | 0.14  | 1.0  |      |
| 71-55-6       | 1,1,1-Trichloroethane                             | 8.91         | 0.094 | 1.0  |      |
| 79-00-5       | 1,1,2-Trichloroethane                             | 9.57         | 0.12  | 1.0  |      |
| 79-01-6       | Trichloroethylene                                 | 8.88         | 0.077 | 1.0  |      |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 | 8.13         | 0.15  | 2.0  |      |
| 96-18-4       | 1,2,3-Trichloropropane                            | 10.0         | 0.12  | 2.0  |      |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.99         | 0.092 | 1.0  |      |
| 95-63-6       | 1,2,4-Trimethylbenzene                            | 9.00         | 0.18  | 1.0  |      |
| 108-67-8      | 1,3,5-Trimethylbenzene                            | 9.34         | 0.10  | 1.0  |      |
| 75-01-4       | Vinyl Chloride                                    | 7.33         | 0.13  | 2.0  |      |
| 108383/106423 | m+p Xylene                                        | 19.0         | 0.18  | 2.0  |      |
| 95-47-6       | o-Xylene                                          | 10.1         | 0.11  | 1.0  |      |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233006.D  
 Acq On : 21 Aug 2013 9:36 am  
 Operator :  
 Sample : b0-bs1  
 Misc : 1  
 ALS Vial : 6 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:49:11 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208  | 168  | 237079   | 30.00 | UG/L  | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.969  | 114  | 321738   | 30.00 | UG/L  | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.847  | 82   | 153475   | 30.00 | UG/L  | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120 | 152  | 166638   | 30.00 | UG/L  | 0.00     |

|                             |        |       |          |          |       |           |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| System Monitoring Compounds |        |       |          |          |       |           |
| 2) 1,2-DICHLOROETHANE-D4    | SS     | 4.127 | 65       | 83368    | 23.27 | UG/L 0.00 |
| Spiked Amount               | 25.000 | Range | 70 - 130 | Recovery | =     | 93.08%    |
| 48) TOLUENE SS              |        | 6.590 | 98       | 303964   | 24.71 | UG/L 0.00 |
| Spiked Amount               | 25.000 | Range | 70 - 130 | Recovery | =     | 98.84%    |
| 70) 4-BROMOFLUOROBENZENE SS |        | 8.960 | 95       | 118749   | 25.84 | UG/L 0.00 |
| Spiked Amount               | 25.000 | Range | 70 - 130 | Recovery | =     | 103.36%   |

|                               |  |       |     |        |        |           |
|-------------------------------|--|-------|-----|--------|--------|-----------|
| Target Compounds              |  |       |     |        |        | Qvalue    |
| 3) DICHLORODIFLUOROMETHANE    |  | 0.945 | 85  | 15237  | 5.81   | UG/L 98   |
| 5) CHLOROMETHANE              |  | 1.018 | 50  | 7233   | 2.68   | UG/L 96   |
| 6) VINYL CHLORIDE             |  | 1.096 | 62  | 18873  | 7.33   | UG/L 89   |
| 7) BROMOMETHANE               |  | 1.272 | 94  | 6500m  | 3.90   | UG/L      |
| 8) CHLOROETHANE               |  | 1.344 | 64  | 10711  | 8.15   | UG/L # 83 |
| 10) FLUORODICHLOROMETHANE     |  | 1.375 | 67  | 31481  | 7.77   | UG/L 91   |
| 11) TRICHLOROFLUOROMETHANE    |  | 1.631 | 101 | 27309  | 8.13   | UG/L 98   |
| 12) DI ETHYL ETHER            |  | 1.793 | 59  | 13165  | 9.15   | UG/L # 88 |
| 13) ACROLEIN                  |  | 1.637 | 56  | 29400  | 83.30  | UG/L 99   |
| 14) ACETONE                   |  | 1.715 | 43  | 42323  | 75.06  | UG/L 94   |
| 15) 1,1-DICHLOROETHENE        |  | 1.946 | 61  | 30120  | 8.98   | UG/L 99   |
| 16) 1,1,2-TRICL-1,2,2-TRIF... |  | 2.105 | 101 | 20236  | 9.99   | UG/L 95   |
| 17) IODOMETHANE               |  | 1.955 | 142 | 47268  | 23.76  | UG/L 93   |
| 19) METHYL ACETATE            |  | 2.125 | 43  | 15811  | 9.21   | UG/L 98   |
| 20) T-BUTYL ALCOHOL           |  | 2.008 | 59  | 14639  | 117.90 | UG/L # 96 |
| 21) ACRYLONITRILE             |  | 2.011 | 53  | 6642   | 10.39  | UG/L 99   |
| 22) METHYLENE CHLORIDE        |  | 2.055 | 49  | 30470  | 11.19  | UG/L # 83 |
| 23) CARBON DISULFIDE          |  | 2.156 | 76  | 69906  | 9.88   | UG/L 100  |
| 24) METHYL TERT-BUTYL ETHE... |  | 2.702 | 73  | 48309  | 11.31  | UG/L 90   |
| 25) TRANS 1,2-DICHLOROETHENE  |  | 2.566 | 61  | 29441  | 9.97   | UG/L 90   |
| 26) 1,1-DICHLOROETHANE        |  | 2.783 | 63  | 38926  | 10.15  | UG/L 99   |
| 28) VINYL ACETATE             |  | 3.009 | 43  | 377888 | 92.09  | UG/L 100  |
| 30) DI ISOPROYL ETHER         |  | 3.335 | 45  | 61875  | 11.02  | UG/L 97   |
| 31) 2-BUTANONE                |  | 3.268 | 43  | 68248  | 90.65  | UG/L 94   |
| 33) T-BUTYL ETHYL ETHER       |  | 3.728 | 59  | 51984  | 10.58  | UG/L 94   |
| 34) CIS-1,2-DICHLOROETHENE    |  | 3.360 | 61  | 28054  | 8.84   | UG/L 90   |
| 35) 2,2-DICHLOROPROPANE       |  | 3.634 | 77  | 29883  | 9.64   | UG/L 99   |
| 36) ETHYL ACETATE             |  | 3.681 | 43  | 11852  | 8.35   | UG/L # 96 |
| 37) BROMOCHLOROMETHANE        |  | 3.503 | 49  | 17634  | 10.45  | UG/L 90   |
| 38) TETRAHYDROFURAN           |  | 3.910 | 42  | 5008   | 11.22  | UG/L 98   |
| 39) CHLOROFORM                |  | 3.575 | 83  | 36554  | 9.54   | UG/L 95   |
| 41) 1,1,1-TRICHLOROETHANE     |  | 4.278 | 97  | 30692  | 8.91   | UG/L 90   |
| 42) CYCLOHEXANE               |  | 4.523 | 56  | 35087  | 9.54   | UG/L # 82 |
| 43) CARBON TETRACHLORIDE      |  | 4.610 | 117 | 27392  | 8.78   | UG/L 96   |
| 44) 1,1-DICHLOROPROPENE       |  | 4.479 | 75  | 29016  | 9.03   | UG/L 99   |
| 45) BENZENE                   |  | 4.668 | 78  | 83078  | 9.38   | UG/L 100  |
| 46) T-AMYL METHYL ETHER       |  | 4.911 | 73  | 45692  | 10.36  | UG/L # 93 |
| 49) 1,2-DICHLOROETHANE        |  | 4.200 | 62  | 24146  | 8.34   | UG/L # 71 |
| 50) METHYL METHACRYLATE       |  | 5.733 | 41  | 15710  | 10.39  | UG/L # 75 |
| 51) TRICHLOROETHENE           |  | 5.293 | 95  | 21138  | 8.88   | UG/L 97   |
| 52) METHYLCYCLOHEXANE         |  | 5.736 | 83  | 36129  | 10.30  | UG/L 88   |
| 53) 1,2-DICHLOROPROPANE       |  | 5.240 | 63  | 22022  | 9.86   | UG/L # 95 |
| 54) DIBROMOMETHANE            |  | 5.187 | 93  | 12493  | 10.09  | UG/L 97   |
| 55) 1,4-DIOXANE               |  | 5.491 | 88  | 1727m  | 97.05  | UG/L      |
| 56) BROMODICHLOROMETHANE      |  | 5.326 | 83  | 27272  | 9.61   | UG/L 96   |
| 57) 2-CHLOROETHYL VINYLETHER  |  | 5.831 | 63  | 634    | 0.54   | UG/L # 1  |
| 58) MIBK                      |  | 6.121 | 43  | 158581 | 94.08  | UG/L 96   |
| 59) CIS-1,3-DICHLOROPROPENE   |  | 5.962 | 75  | 32637  | 9.90   | UG/L 96   |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233006.D  
 Acq On : 21 Aug 2013 9:36 am  
 Operator :  
 Sample : b0-bs1  
 Misc : 1  
 ALS Vial : 6 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:49:11 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 60) TOLUENE                   | 6.651  | 91   | 87942    | 9.59  | UG/L  | 100      |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.378  | 75   | 27791    | 10.51 | UG/L  | 96       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 21295    | 9.77  | UG/L  | 93       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.481  | 97   | 16889    | 9.57  | UG/L  | 95       |
| 64) 2-HEXANONE                | 6.921  | 43   | 109774   | 95.09 | UG/L  | 93       |
| 65) TETRACHLOROETHENE         | 7.278  | 166  | 26460    | 9.56  | UG/L  | 98       |
| 66) 1,3-DICHLOROPROPANE       | 6.701  | 76   | 28990    | 10.13 | UG/L  | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.888  | 129  | 20303    | 9.47  | UG/L  | 98       |
| 68) 1,2-DIBROMOETHANE         | 7.094  | 107  | 19163    | 10.43 | UG/L  | 96       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 58036    | 10.06 | UG/L  | 99       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.819  | 131  | 20130    | 9.33  | UG/L  | 97       |
| 73) ETHYLBENZENE              | 8.098  | 91   | 100165   | 9.48  | UG/L  | 96       |
| 74) M/P-XYLENES               | 8.288  | 91   | 151920   | 19.04 | UG/L  | 99       |
| 75) O-XYLENE                  | 8.625  | 91   | 77219    | 10.11 | UG/L  | 97       |
| 76) STYRENE                   | 8.564  | 104  | 59585    | 9.85  | UG/L  | 99       |
| 77) BROMOFORM                 | 8.282  | 173  | 14215    | 8.87  | UG/L  | # 96     |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 99537    | 9.88  | UG/L  | 97       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.505  | 53   | 5025     | 8.41  | UG/L  | # 80     |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.611  | 83   | 22457    | 10.31 | UG/L  | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.809  | 53   | 5176     | 9.53  | UG/L  | 93       |
| 82) BROMOBENZENE              | 9.105  | 77   | 34840    | 9.72  | UG/L  | 94       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.737  | 75   | 16570    | 10.01 | UG/L  | 89       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 116398   | 10.49 | UG/L  | 97       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 61183    | 9.82  | UG/L  | 100      |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.657  | 105  | 78718    | 9.34  | UG/L  | 99       |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 68880    | 10.59 | UG/L  | 97       |
| 89) TERT-BUTYLBENZENE         | 9.869  | 119  | 68325    | 9.08  | UG/L  | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 78225    | 9.00  | UG/L  | 99       |
| 91) SEC-BUTYLBENZENE          | 10.070 | 105  | 107044   | 9.80  | UG/L  | 95       |
| 92) 1,3-DICHLOROBENZENE       | 10.078 | 146  | 46330    | 9.75  | UG/L  | 96       |
| 93) P-ISOPROPYLTOLUENE        | 10.262 | 119  | 85179    | 9.62  | UG/L  | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.142 | 146  | 46914    | 8.93  | UG/L  | 96       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 77663    | 9.49  | UG/L  | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 42534    | 9.84  | UG/L  | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.867 | 75   | 3111     | 10.83 | UG/L  | 94       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.640 | 180  | 29597    | 9.79  | UG/L  | 96       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.111 | 180  | 25348    | 10.70 | UG/L  | 97       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 14585    | 9.54  | UG/L  | 92       |
| 101) NAPHTHALENE              | 12.320 | 128  | 48627    | 12.20 | UG/L  | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.501 | 180  | 19273    | 12.77 | UG/L  | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

192

Inst : GCMSV0A5

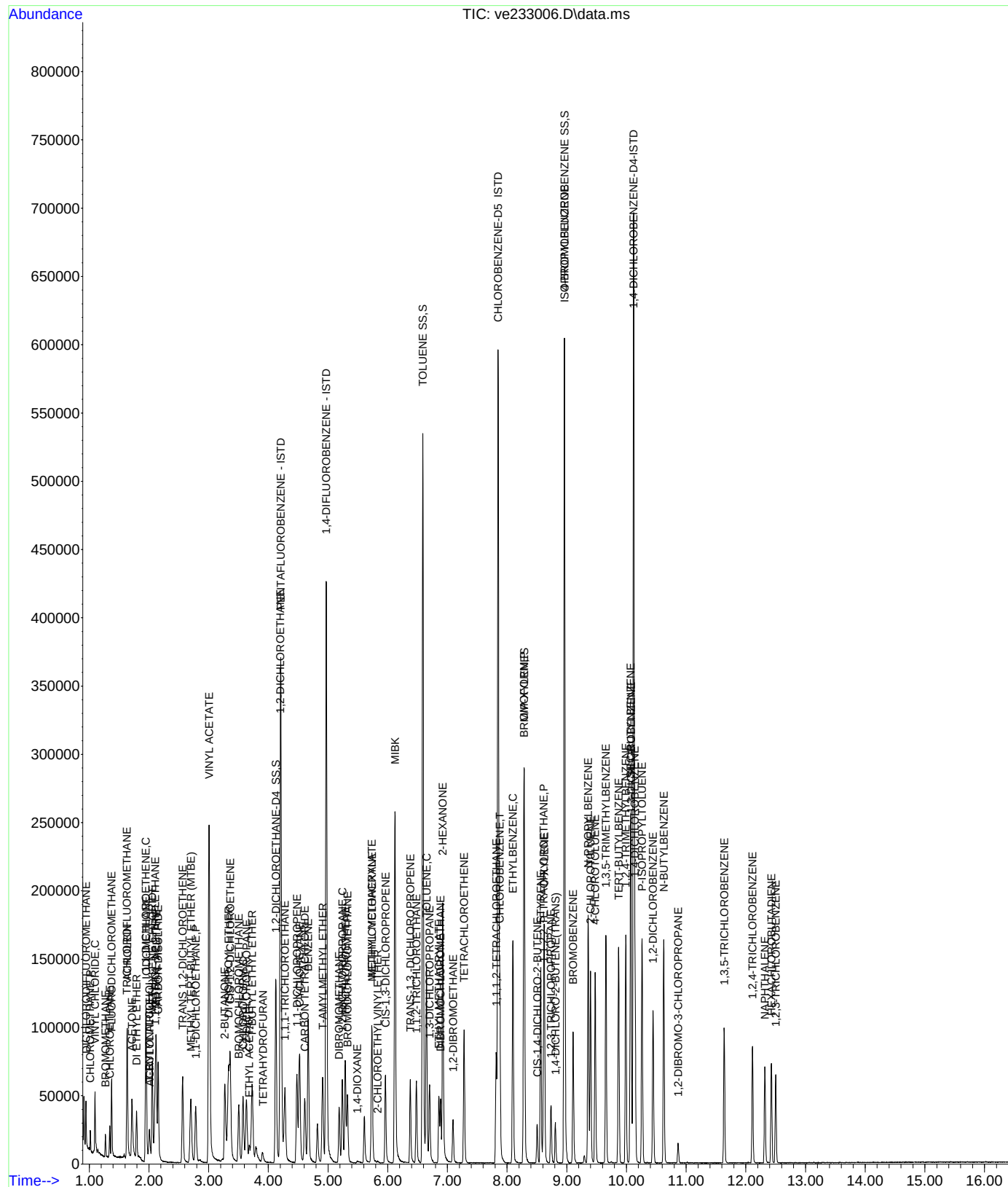
Quant Time: Aug 22 09:49:11 2013

Quant Method : C:\msdchem\1\METHODS\E051713W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Thu Jun 27 09:35:33 2013

Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS Dup

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079226-BSD1 File ID: ve233007.D  
 Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 10:02  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            | 80.6         | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      | 10.8         | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      | 11.1         | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            | 9.78         | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       | 10.0         | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 | 10.8         | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               | 9.63         | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          | 9.30         | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       | 4.48         | 0.94  | 2.0  | V-05       |
| 78-93-3  | 2-Butanone (MEK)                   | 92.5         | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           | 121          | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     | 9.49         | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   | 9.58         | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  | 9.29         | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      | 11.0         | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   | 9.65         | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               | 8.93         | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      | 10.6         | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               | 9.74         | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       | 8.26         | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         | 10.0         | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      | 2.73         | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    | 10.0         | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    | 10.4         | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) | 11.1         | 0.34  | 5.0  |            |
| 106-93-4 | 1,2-Dibromoethane (EDB)            | 10.8         | 0.089 | 0.50 |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS Dup

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079226-BSD1 File ID: ve233007.D  
 Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 10:02  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 74-95-3    | Dibromomethane                     | 10.7         | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                | 10.1         | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                | 9.93         | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                | 9.21         | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        | 9.65         | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) | 5.85         | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 | 10.2         | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 | 8.51         | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               | 9.38         | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           | 9.32         | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         | 10.0         | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                | 10.2         | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                | 10.1         | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                | 9.64         | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                | 9.47         | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            | 10.4         | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          | 11.0         | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      | 9.84         | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           | 11.5         | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        | 111          | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       | 9.61         | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                | 9.37         | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   | 98.4         | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          | 9.86         | 0.11  | 1.0  |      |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      | 10.1         | 0.12  | 1.0  |      |
| 1634-04-4  | Methyl tert-Butyl Ether (MTBE)     | 12.0         | 0.090 | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS Dup

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
Matrix: Water Laboratory ID: B079226-BSD1 File ID: ve233007.D  
Sampled: Prepared: 08/21/13 06:39 Analyzed: 08/21/13 10:02  
Solids: Preparation: SW-846 5030B Dilution:  
Batch: B079226 Sequence: S004570 Calibration: 1300053 Instrument: GCMSVOA5  
Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q          |
|---------------|---------------------------------------------------|--------------|-------|------|------------|
| 75-09-2       | Methylene Chloride                                | 11.8         | 3.2   | 5.0  |            |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       | 101          | 1.5   | 10   |            |
| 91-20-3       | Naphthalene                                       | 13.1         | 0.12  | 2.0  | L-07, V-20 |
| 103-65-1      | n-Propylbenzene                                   | 10.5         | 0.094 | 1.0  |            |
| 100-42-5      | Styrene                                           | 10.2         | 0.12  | 1.0  |            |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         | 9.57         | 0.12  | 1.0  |            |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         | 10.6         | 0.12  | 0.50 |            |
| 127-18-4      | Tetrachloroethylene                               | 9.64         | 0.080 | 1.0  |            |
| 109-99-9      | Tetrahydrofuran                                   | 9.23         | 1.1   | 10   |            |
| 108-88-3      | Toluene                                           | 9.86         | 0.090 | 1.0  |            |
| 87-61-6       | 1,2,3-Trichlorobenzene                            | 13.2         | 0.14  | 5.0  | L-07, V-20 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            | 10.7         | 0.12  | 1.0  |            |
| 108-70-3      | 1,3,5-Trichlorobenzene                            | 9.80         | 0.14  | 1.0  |            |
| 71-55-6       | 1,1,1-Trichloroethane                             | 8.90         | 0.094 | 1.0  |            |
| 79-00-5       | 1,1,2-Trichloroethane                             | 9.91         | 0.12  | 1.0  |            |
| 79-01-6       | Trichloroethylene                                 | 9.23         | 0.077 | 1.0  |            |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 | 8.30         | 0.15  | 2.0  |            |
| 96-18-4       | 1,2,3-Trichloropropane                            | 10.5         | 0.12  | 2.0  |            |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 10.1         | 0.092 | 1.0  |            |
| 95-63-6       | 1,2,4-Trimethylbenzene                            | 9.20         | 0.18  | 1.0  |            |
| 108-67-8      | 1,3,5-Trimethylbenzene                            | 9.53         | 0.10  | 1.0  |            |
| 75-01-4       | Vinyl Chloride                                    | 7.53         | 0.13  | 2.0  |            |
| 108383/106423 | m+p Xylene                                        | 19.4         | 0.18  | 2.0  |            |
| 95-47-6       | o-Xylene                                          | 10.1         | 0.11  | 1.0  |            |

Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233007.D  
 Acq On : 21 Aug 2013 10:02 am  
 Operator :  
 Sample : b0-bsd1  
 Misc : 1  
 ALS Vial : 7 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:50:13 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208    | 168   | 229620   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972    | 114   | 315926   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850    | 82    | 150392   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 162907   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.127    | 65    | 80771    | 23.28  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 93.12%  |          |
| 48) TOLUENE SS                | 6.587    | 98    | 300364   | 24.87  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 99.48%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960    | 95    | 116572   | 25.89  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 103.56% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.943    | 85    | 14848    | 5.85   | UG/L    | 96       |
| 5) CHLOROMETHANE              | 1.018    | 50    | 7124     | 2.73   | UG/L    | 96       |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 18769    | 7.53   | UG/L    | 98       |
| 7) BROMOMETHANE               | 1.269    | 94    | 7242m    | 4.48   | UG/L    |          |
| 8) CHLOROETHANE               | 1.341    | 64    | 10512    | 8.26   | UG/L    | # 78     |
| 10) FLUORODICHLOROMETHANE     | 1.375    | 67    | 31790    | 8.10   | UG/L    | 93       |
| 11) TRICHLOROFLUOROMETHANE    | 1.631    | 101   | 26974    | 8.30   | UG/L    | 97       |
| 12) DI ETHYL ETHER            | 1.793    | 59    | 13717    | 9.84   | UG/L    | # 88     |
| 13) ACROLEIN                  | 1.637    | 56    | 29990    | 87.73  | UG/L    | 100      |
| 14) ACETONE                   | 1.715    | 43    | 44033    | 80.63  | UG/L    | 94       |
| 15) 1,1-DICHLOROETHENE        | 1.947    | 61    | 30440    | 9.38   | UG/L    | 98       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.105    | 101   | 19793    | 10.09  | UG/L    | 96       |
| 17) IODOMETHANE               | 1.952    | 142   | 43415    | 23.07  | UG/L    | 93       |
| 19) METHYL ACETATE            | 2.125    | 43    | 16339    | 9.83   | UG/L    | 98       |
| 20) T-BUTYL ALCOHOL           | 2.005    | 59    | 14598    | 121.39 | UG/L    | # 98     |
| 21) ACRYLONITRILE             | 2.011    | 53    | 6684     | 10.80  | UG/L    | 98       |
| 22) METHYLENE CHLORIDE        | 2.055    | 49    | 31118    | 11.80  | UG/L    | # 86     |
| 23) CARBON DISULFIDE          | 2.156    | 76    | 66112    | 9.65   | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.705    | 73    | 49554    | 11.98  | UG/L    | 90       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.566    | 61    | 28743    | 10.05  | UG/L    | 94       |
| 26) 1,1-DICHLOROETHANE        | 2.783    | 63    | 38074    | 10.25  | UG/L    | 98       |
| 28) VINYL ACETATE             | 3.006    | 43    | 376108   | 94.63  | UG/L    | 100      |
| 30) DI ISOPROYL ETHER         | 3.332    | 45    | 62439    | 11.48  | UG/L    | 97       |
| 31) 2-BUTANONE                | 3.274    | 43    | 67453    | 92.50  | UG/L    | # 93     |
| 33) T-BUTYL ETHYL ETHER       | 3.731    | 59    | 52143    | 10.96  | UG/L    | # 91     |
| 34) CIS-1,2-DICHLOROETHENE    | 3.358    | 61    | 28658    | 9.32   | UG/L    | 87       |
| 35) 2,2-DICHLOROPROPANE       | 3.631    | 77    | 28925    | 9.64   | UG/L    | 98       |
| 36) ETHYL ACETATE             | 3.678    | 43    | 13091    | 9.52   | UG/L    | 98       |
| 37) BROMOCHLOROMETHANE        | 3.505    | 49    | 17560    | 10.75  | UG/L    | 91       |
| 38) TETRAHYDROFURAN           | 3.896    | 42    | 3990     | 9.23   | UG/L    | # 75     |
| 39) CHLOROFORM                | 3.575    | 83    | 37108    | 10.00  | UG/L    | 97       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.278    | 97    | 29686    | 8.90   | UG/L    | 94       |
| 42) CYCLOHEXANE               | 4.520    | 56    | 35031    | 9.84   | UG/L    | # 83     |
| 43) CARBON TETRACHLORIDE      | 4.612    | 117   | 26992    | 8.93   | UG/L    | 95       |
| 44) 1,1-DICHLOROPROPENE       | 4.479    | 75    | 29452    | 9.47   | UG/L    | 96       |
| 45) BENZENE                   | 4.668    | 78    | 83898    | 9.78   | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.908    | 73    | 47404    | 11.09  | UG/L    | 94       |
| 49) 1,2-DICHLOROETHANE        | 4.203    | 62    | 24194    | 8.51   | UG/L    | # 78     |
| 50) METHYL METHACRYLATE       | 5.734    | 41    | 14258    | 9.61   | UG/L    | # 80     |
| 51) TRICHLOROETHENE           | 5.287    | 95    | 21583    | 9.23   | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.734    | 83    | 35324    | 10.25  | UG/L    | 86       |
| 53) 1,2-DICHLOROPROPANE       | 5.237    | 63    | 22256    | 10.15  | UG/L    | # 96     |
| 54) DIBROMOMETHANE            | 5.187    | 93    | 13008    | 10.70  | UG/L    | 92       |
| 55) 1,4-DIOXANE               | 5.494    | 88    | 1945m    | 111.31 | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.326    | 83    | 26838    | 9.63   | UG/L    | 95       |
| 58) MIBK                      | 6.121    | 43    | 166633   | 100.68 | UG/L    | 95       |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.962    | 75    | 33594    | 10.37  | UG/L    | 94       |
| 60) TOLUENE                   | 6.651    | 91    | 88793    | 9.86   | UG/L    | 100      |



Data Path : C:\msdchem\1\DATA\082113\  
 Data File : ve233007.D  
 Acq On : 21 Aug 2013 10:02 am  
 Operator :  
 Sample : b0-bsd1  
 Misc : 1  
 ALS Vial : 7 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 22 09:50:13 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 61) TRANS-1,3,-DICHLOPRO...   | 6.378  | 75   | 28596    | 11.01 | UG/L   | 95       |
| 62) ETHYL METHACRYLATE        | 6.855  | 69   | 22316    | 10.43 | UG/L   | 95       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.478  | 97   | 17178    | 9.91  | UG/L   | 95       |
| 64) 2-HEXANONE                | 6.921  | 43   | 111536   | 98.39 | UG/L   | 93       |
| 65) TETRACHLOROETHENE         | 7.281  | 166  | 26184    | 9.64  | UG/L   | 99       |
| 66) 1,3-DICHLOROPROPANE       | 6.704  | 76   | 28436    | 10.12 | UG/L   | 98       |
| 67) DIBROMOCHLOROMETHANE      | 6.885  | 129  | 20494    | 9.74  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.092  | 107  | 19567    | 10.84 | UG/L # | 98       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 59625    | 10.55 | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.817  | 131  | 20234    | 9.57  | UG/L   | 94       |
| 73) ETHYLBENZENE              | 8.098  | 91   | 99509    | 9.61  | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.285  | 91   | 151819   | 19.41 | UG/L   | 99       |
| 75) O-XYLENE                  | 8.623  | 91   | 75479    | 10.09 | UG/L   | 97       |
| 76) STYRENE                   | 8.564  | 104  | 60604    | 10.23 | UG/L   | 99       |
| 77) BROMOFORM                 | 8.285  | 173  | 14613    | 9.30  | UG/L # | 96       |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 97357    | 9.86  | UG/L   | 98       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.503  | 53   | 4937     | 8.43  | UG/L # | 80       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.611  | 83   | 22674    | 10.63 | UG/L   | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.809  | 53   | 5133     | 9.65  | UG/L   | 90       |
| 82) BROMOBENZENE              | 9.108  | 77   | 35175    | 10.02 | UG/L   | 94       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.734  | 75   | 17043    | 10.51 | UG/L   | 90       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 114390   | 10.52 | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.401  | 91   | 61387    | 10.05 | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.654  | 105  | 78690    | 9.53  | UG/L   | 99       |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 66430    | 10.42 | UG/L   | 98       |
| 89) TERT-BUTYLBENZENE         | 9.866  | 119  | 68328    | 9.29  | UG/L   | 100      |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 78209    | 9.20  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.070 | 105  | 102353   | 9.58  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.078 | 146  | 46103    | 9.93  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.262 | 119  | 87511    | 10.11 | UG/L   | 97       |
| 94) 1,4-DICHLOROBENZENE       | 10.145 | 146  | 47283    | 9.21  | UG/L   | 96       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 75943    | 9.49  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 42632    | 10.09 | UG/L   | 98       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.867 | 75   | 3115     | 11.09 | UG/L   | 91       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 28947    | 9.80  | UG/L   | 94       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.114 | 180  | 24754    | 10.69 | UG/L   | 93       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 14005    | 9.37  | UG/L   | 92       |
| 101) NAPHTHALENE              | 12.317 | 128  | 50884    | 13.06 | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.499 | 180  | 19529    | 13.24 | UG/L   | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

198

Inst : GCMSV0A5

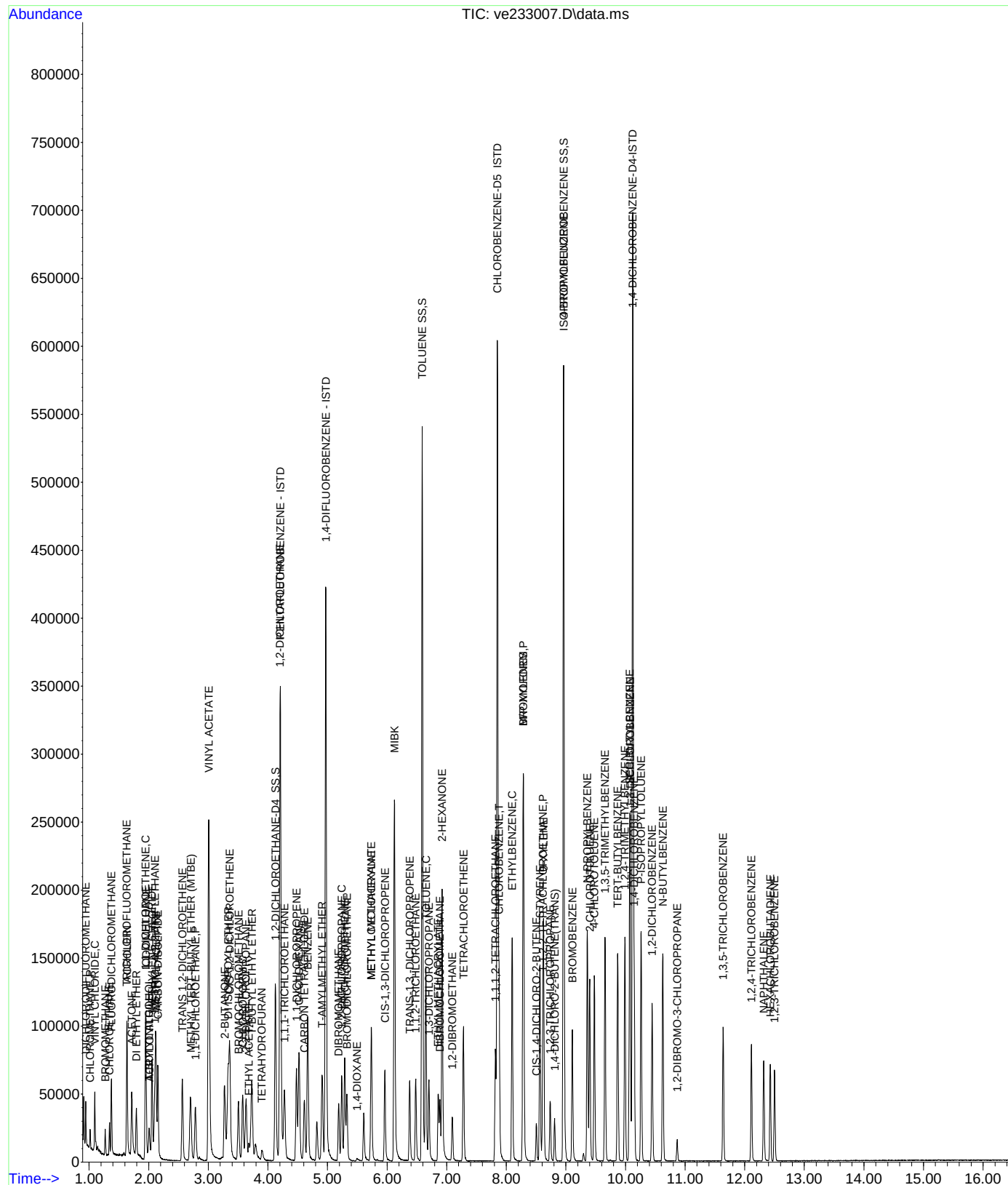
Quant Time: Aug 22 09:50:13 2013

Quant Method : C:\msdchem\1\METHODS\E051713W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Thu Jun 27 09:35:33 2013

Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

Blank

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-BLK1      File ID: ve234008.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 12:07  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            |              | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      |              | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      |              | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            |              | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       |              | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 |              | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               |              | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          |              | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       |              | 0.94  | 2.0  |            |
| 78-93-3  | 2-Butanone (MEK)                   |              | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           |              | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     |              | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   |              | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  |              | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      |              | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   |              | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               |              | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      |              | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               |              | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       |              | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         |              | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      |              | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    |              | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    |              | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) |              | 0.34  | 5.0  |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

Blank

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-BLK1 File ID: ve234008.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 12:07  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 106-93-4   | 1,2-Dibromoethane (EDB)            |              | 0.089 | 0.50 |      |
| 74-95-3    | Dibromomethane                     |              | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                |              | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                |              | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                |              | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        |              | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) |              | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 |              | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 |              | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               |              | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           |              | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         |              | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                |              | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                |              | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                |              | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                |              | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            |              | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          |              | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      |              | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           |              | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        |              | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       |              | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                |              | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   |              | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          |              | 0.11  | 1.0  |      |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      |              | 0.12  | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

Blank

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-BLK1 File ID: ve234008.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 12:07  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q |
|---------------|---------------------------------------------------|--------------|-------|------|---|
| 1634-04-4     | Methyl tert-Butyl Ether (MTBE)                    |              | 0.090 | 1.0  |   |
| 75-09-2       | Methylene Chloride                                |              | 3.2   | 5.0  |   |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       |              | 1.5   | 10   |   |
| 91-20-3       | Naphthalene                                       |              | 0.12  | 2.0  |   |
| 103-65-1      | n-Propylbenzene                                   |              | 0.094 | 1.0  |   |
| 100-42-5      | Styrene                                           |              | 0.12  | 1.0  |   |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         |              | 0.12  | 1.0  |   |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         |              | 0.12  | 0.50 |   |
| 127-18-4      | Tetrachloroethylene                               |              | 0.080 | 1.0  |   |
| 109-99-9      | Tetrahydrofuran                                   |              | 1.1   | 10   |   |
| 108-88-3      | Toluene                                           |              | 0.090 | 1.0  |   |
| 87-61-6       | 1,2,3-Trichlorobenzene                            |              | 0.14  | 5.0  |   |
| 120-82-1      | 1,2,4-Trichlorobenzene                            |              | 0.12  | 1.0  |   |
| 108-70-3      | 1,3,5-Trichlorobenzene                            |              | 0.14  | 1.0  |   |
| 71-55-6       | 1,1,1-Trichloroethane                             |              | 0.094 | 1.0  |   |
| 79-00-5       | 1,1,2-Trichloroethane                             |              | 0.12  | 1.0  |   |
| 79-01-6       | Trichloroethylene                                 |              | 0.077 | 1.0  |   |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 |              | 0.15  | 2.0  |   |
| 96-18-4       | 1,2,3-Trichloropropane                            |              | 0.12  | 2.0  |   |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) |              | 0.092 | 1.0  |   |
| 95-63-6       | 1,2,4-Trimethylbenzene                            |              | 0.18  | 1.0  |   |
| 108-67-8      | 1,3,5-Trimethylbenzene                            |              | 0.10  | 1.0  |   |
| 75-01-4       | Vinyl Chloride                                    |              | 0.13  | 2.0  |   |
| 108383/106423 | m+p Xylene                                        |              | 0.18  | 2.0  |   |
| 95-47-6       | o-Xylene                                          |              | 0.11  | 1.0  |   |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234008.D  
 Acq On : 22 Aug 2013 12:07 pm  
 Operator :  
 Sample : b0-blk1  
 Misc : 1  
 ALS Vial : 8 Sample Multiplier: 1

Inst : GCMSV0A5

Quant Time: Aug 23 07:07:39 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

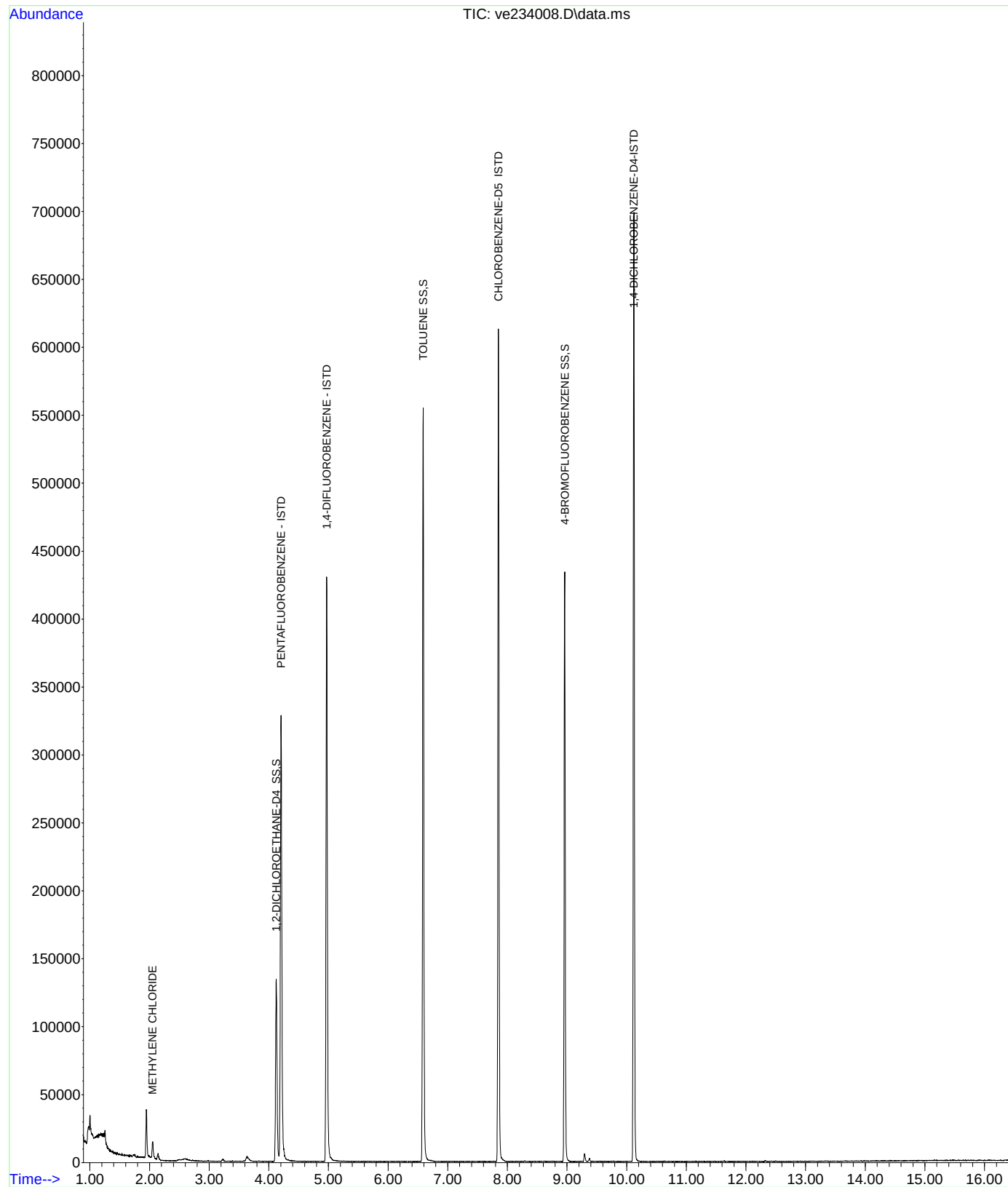
| Compound                      | R.T.           | QIon | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|----------------|------|----------|-------|---------|----------|
| Internal Standards            |                |      |          |       |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.205          | 168  | 227658   | 30.00 | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.970          | 114  | 311226   | 30.00 | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.847          | 82   | 148518   | 30.00 | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120         | 152  | 165772   | 30.00 | UG/L    | 0.00     |
| System Monitoring Compounds   |                |      |          |       |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.125          | 65   | 82604    | 24.01 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 96.04%  |          |
| 48) TOLUENE SS                | 6.587          | 98   | 312353   | 26.25 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 105.00% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960          | 95   | 117446   | 26.41 | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery | =     | 105.64% |          |
| Target Compounds              |                |      |          |       |         | Qvalue   |
| 22) METHYLENE CHLORIDE        | 2.050          | 49   | 4662     | 1.78  | UG/L    | # 78     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\082213\  
Data File : ve234008.D  
Acq On : 22 Aug 2013 12:07 pm  
Operator :  
Sample : b0-blk1  
Misc : 1  
ALS Vial : 8 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:07:39 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-BS1 File ID: ve234004.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 10:22  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            | 82.5         | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      | 10.6         | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      | 10.8         | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            | 9.67         | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       | 9.95         | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 | 10.3         | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               | 9.34         | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          | 9.18         | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       | 6.14         | 0.94  | 2.0  | V-20       |
| 78-93-3  | 2-Butanone (MEK)                   | 94.6         | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           | 120          | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     | 10.1         | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   | 10.7         | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  | 9.94         | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      | 10.8         | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   | 9.75         | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               | 8.95         | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      | 10.2         | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               | 9.50         | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       | 8.41         | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         | 9.54         | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      | 3.22         | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    | 10.5         | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    | 10.6         | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) | 12.0         | 0.34  | 5.0  |            |
| 106-93-4 | 1,2-Dibromoethane (EDB)            | 10.0         | 0.089 | 0.50 |            |



# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-BS1 File ID: ve234004.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 10:22  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 74-95-3    | Dibromomethane                     | 9.91         | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                | 10.7         | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                | 10.7         | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                | 9.70         | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        | 10.4         | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) | 4.96         | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 | 10.0         | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 | 8.12         | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               | 8.98         | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           | 9.05         | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         | 10.0         | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                | 9.92         | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                | 10.3         | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                | 9.92         | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                | 9.55         | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            | 9.90         | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          | 10.6         | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      | 9.68         | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           | 11.0         | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        | 104          | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       | 9.73         | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                | 10.0         | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   | 100          | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          | 10.2         | 0.11  | 1.0  |      |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      | 10.6         | 0.12  | 1.0  |      |
| 1634-04-4  | Methyl tert-Butyl Ether (MTBE)     | 11.6         | 0.090 | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-BS1 File ID: ve234004.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 10:22  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q          |
|---------------|---------------------------------------------------|--------------|-------|------|------------|
| 75-09-2       | Methylene Chloride                                | 12.2         | 3.2   | 5.0  |            |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       | 96.6         | 1.5   | 10   |            |
| 91-20-3       | Naphthalene                                       | 13.6         | 0.12  | 2.0  | L-02, V-20 |
| 103-65-1      | n-Propylbenzene                                   | 11.2         | 0.094 | 1.0  |            |
| 100-42-5      | Styrene                                           | 10.4         | 0.12  | 1.0  |            |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         | 9.53         | 0.12  | 1.0  |            |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         | 10.8         | 0.12  | 0.50 |            |
| 127-18-4      | Tetrachloroethylene                               | 9.55         | 0.080 | 1.0  |            |
| 109-99-9      | Tetrahydrofuran                                   | 11.1         | 1.1   | 10   |            |
| 108-88-3      | Toluene                                           | 9.65         | 0.090 | 1.0  |            |
| 87-61-6       | 1,2,3-Trichlorobenzene                            | 14.1         | 0.14  | 5.0  | L-02, V-20 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            | 11.4         | 0.12  | 1.0  |            |
| 108-70-3      | 1,3,5-Trichlorobenzene                            | 10.4         | 0.14  | 1.0  |            |
| 71-55-6       | 1,1,1-Trichloroethane                             | 9.01         | 0.094 | 1.0  |            |
| 79-00-5       | 1,1,2-Trichloroethane                             | 9.64         | 0.12  | 1.0  |            |
| 79-01-6       | Trichloroethylene                                 | 8.95         | 0.077 | 1.0  |            |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 | 7.96         | 0.15  | 2.0  |            |
| 96-18-4       | 1,2,3-Trichloropropane                            | 10.7         | 0.12  | 2.0  |            |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.73         | 0.092 | 1.0  |            |
| 95-63-6       | 1,2,4-Trimethylbenzene                            | 9.75         | 0.18  | 1.0  |            |
| 108-67-8      | 1,3,5-Trimethylbenzene                            | 9.64         | 0.10  | 1.0  |            |
| 75-01-4       | Vinyl Chloride                                    | 7.40         | 0.13  | 2.0  |            |
| 108383/106423 | m+p Xylene                                        | 19.8         | 0.18  | 2.0  |            |
| 95-47-6       | o-Xylene                                          | 10.5         | 0.11  | 1.0  |            |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234004.D  
 Acq On : 22 Aug 2013 10:22 am  
 Operator :  
 Sample : b0-bs1  
 Misc : 1  
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:00:19 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208    | 168   | 252184   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.969    | 114   | 349888   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850    | 82    | 161433   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 169194   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.124    | 65    | 91602    | 24.04  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 96.16%  |          |
| 48) TOLUENE SS                | 6.587    | 98    | 334551   | 25.01  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.04% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960    | 95    | 121370   | 25.11  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.44% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.945    | 85    | 13830    | 4.96   | UG/L    | 96       |
| 5) CHLOROMETHANE              | 1.018    | 50    | 9225m    | 3.22   | UG/L    |          |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 20264    | 7.40   | UG/L    | 93       |
| 7) BROMOMETHANE               | 1.272    | 94    | 10907m   | 6.14   | UG/L    |          |
| 8) CHLOROETHANE               | 1.341    | 64    | 11756    | 8.41   | UG/L    | # 84     |
| 10) FLUORODICHLOROMETHANE     | 1.375    | 67    | 35610    | 8.27   | UG/L    | 94       |
| 11) TRICHLOROFLUOROMETHANE    | 1.634    | 101   | 28437    | 7.96   | UG/L    | 98       |
| 12) DI ETHYL ETHER            | 1.793    | 59    | 14817    | 9.68   | UG/L    | # 87     |
| 13) ACROLEIN                  | 1.637    | 56    | 34453    | 91.77  | UG/L    | 99       |
| 14) ACETONE                   | 1.715    | 43    | 49496    | 82.52  | UG/L    | 97       |
| 15) 1,1-DICHLOROETHENE        | 1.946    | 61    | 32025    | 8.98   | UG/L    | 99       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.103    | 101   | 20970    | 9.73   | UG/L    | 94       |
| 17) IODOMETHANE               | 1.952    | 142   | 50542    | 23.83  | UG/L    | 93       |
| 19) METHYL ACETATE            | 2.122    | 43    | 16915    | 9.26   | UG/L    | 97       |
| 20) T-BUTYL ALCOHOL           | 2.002    | 59    | 15903    | 120.41 | UG/L    | # 95     |
| 21) ACRYLONITRILE             | 2.008    | 53    | 7243     | 10.65  | UG/L    | 99       |
| 22) METHYLENE CHLORIDE        | 2.055    | 49    | 35408    | 12.22  | UG/L    | # 79     |
| 23) CARBON DISULFIDE          | 2.153    | 76    | 73410    | 9.75   | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.702    | 73    | 52763    | 11.62  | UG/L    | 91       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.565    | 61    | 31507    | 10.03  | UG/L    | 94       |
| 26) 1,1-DICHLOROETHANE        | 2.780    | 63    | 40895    | 10.02  | UG/L    | 96       |
| 28) VINYL ACETATE             | 3.006    | 43    | 414146   | 94.88  | UG/L    | 99       |
| 30) DI ISOPROYL ETHER         | 3.335    | 45    | 65791    | 11.01  | UG/L    | 95       |
| 31) 2-BUTANONE                | 3.271    | 43    | 75784    | 94.63  | UG/L    | # 92     |
| 33) T-BUTYL ETHYL ETHER       | 3.728    | 59    | 56526    | 10.82  | UG/L    | # 93     |
| 34) CIS-1,2-DICHLOROETHENE    | 3.360    | 61    | 30539    | 9.05   | UG/L    | 88       |
| 35) 2,2-DICHLOROPROPANE       | 3.631    | 77    | 32687    | 9.92   | UG/L    | 99       |
| 36) ETHYL ACETATE             | 3.678    | 43    | 14205    | 9.40   | UG/L    | 97       |
| 37) BROMOCHLOROMETHANE        | 3.502    | 49    | 18410    | 10.26  | UG/L    | 89       |
| 38) TETRAHYDROFURAN           | 3.898    | 42    | 5256     | 11.07  | UG/L    | 91       |
| 39) CHLOROFORM                | 3.578    | 83    | 38879    | 9.54   | UG/L    | 96       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.275    | 97    | 33029    | 9.01   | UG/L    | 93       |
| 42) CYCLOHEXANE               | 4.520    | 56    | 38344    | 9.80   | UG/L    | # 80     |
| 43) CARBON TETRACHLORIDE      | 4.612    | 117   | 29725    | 8.95   | UG/L    | 95       |
| 44) 1,1-DICHLOROPROPENE       | 4.478    | 75    | 32617    | 9.55   | UG/L    | 96       |
| 45) BENZENE                   | 4.668    | 78    | 91073    | 9.67   | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.911    | 73    | 50543    | 10.77  | UG/L    | # 93     |
| 49) 1,2-DICHLOROETHANE        | 4.200    | 62    | 25554    | 8.12   | UG/L    | # 72     |
| 50) METHYL METHACRYLATE       | 5.733    | 41    | 15975    | 9.72   | UG/L    | # 77     |
| 51) TRICHLOROETHENE           | 5.287    | 95    | 23173    | 8.95   | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.736    | 83    | 39371    | 10.32  | UG/L    | # 87     |
| 53) 1,2-DICHLOROPROPANE       | 5.240    | 63    | 24084    | 9.92   | UG/L    | # 95     |
| 54) DIBROMOMETHANE            | 5.184    | 93    | 13354    | 9.91   | UG/L    | 93       |
| 55) 1,4-DIOXANE               | 5.491    | 88    | 2014m    | 104.07 | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.323    | 83    | 28834    | 9.34   | UG/L    | 96       |
| 57) 2-CHLOROETHYL VINYLETHER  | 5.831    | 63    | 1234     | 0.97   | UG/L    | 93       |
| 58) MIBK                      | 6.121    | 43    | 177113   | 96.62  | UG/L    | 95       |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.962    | 75    | 35513    | 9.90   | UG/L    | 94       |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234004.D  
 Acq On : 22 Aug 2013 10:22 am  
 Operator :  
 Sample : b0-bs1  
 Misc : 1  
 ALS Vial : 4 Sample Multiplier: 1

Inst : GCMSVOA5

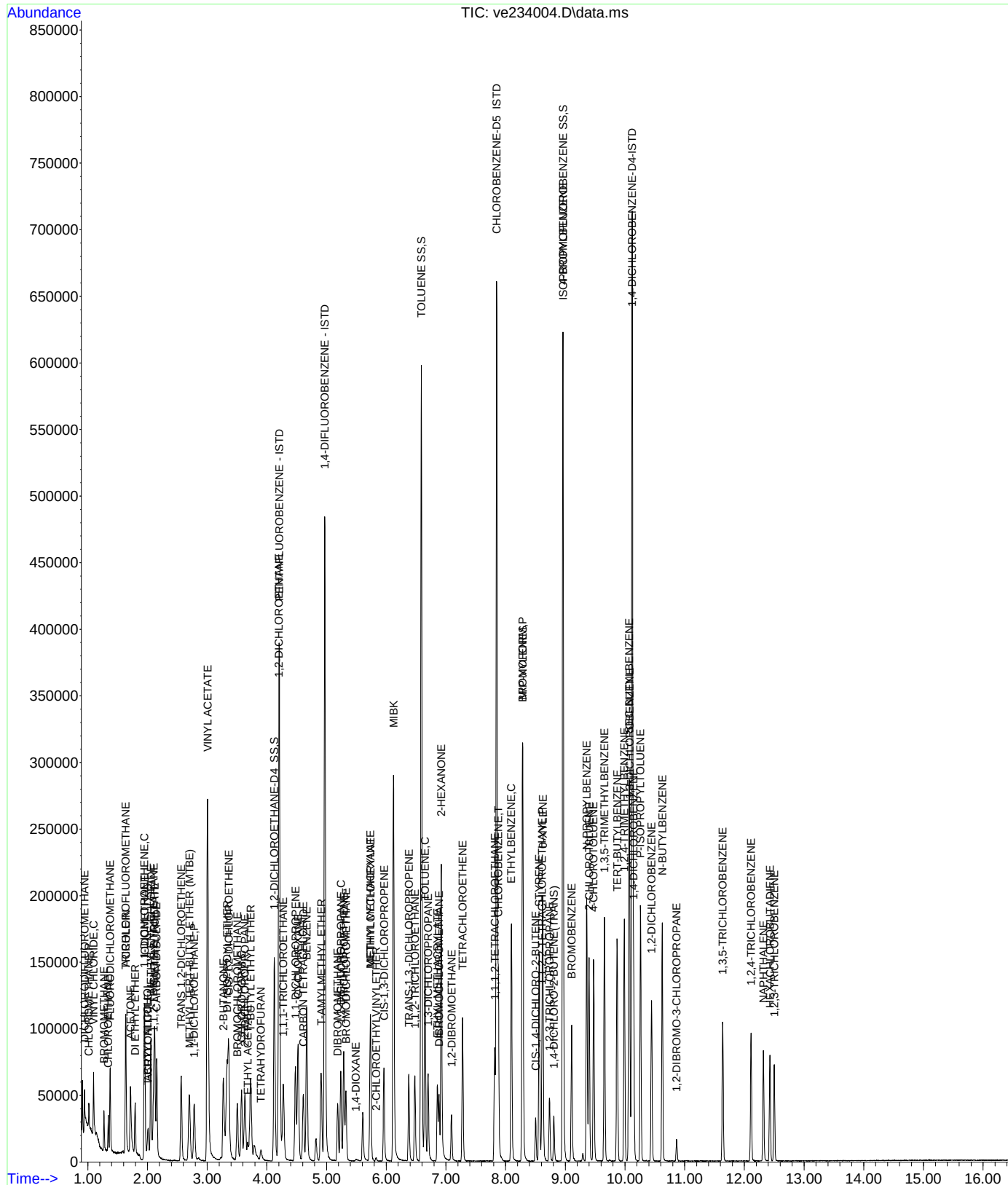
Quant Time: Aug 23 07:00:19 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 60) TOLUENE                   | 6.648  | 91   | 96232    | 9.65  | UG/L   | 99       |
| 61) TRANS-1,3,-DICHLOROPRO... | 6.378  | 75   | 30349    | 10.55 | UG/L   | 95       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 24524    | 10.35 | UG/L   | 95       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.481  | 97   | 18488    | 9.64  | UG/L   | 99       |
| 64) 2-HEXANONE                | 6.921  | 43   | 125525   | 99.98 | UG/L   | 92       |
| 65) TETRACHLOROETHENE         | 7.278  | 166  | 28724    | 9.55  | UG/L   | 99       |
| 66) 1,3-DICHLOROPROPANE       | 6.701  | 76   | 31957    | 10.27 | UG/L   | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.885  | 129  | 22159    | 9.50  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.094  | 107  | 20055    | 10.03 | UG/L   | 99       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 62227    | 10.25 | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.819  | 131  | 21627    | 9.53  | UG/L   | 98       |
| 73) ETHYLBENZENE              | 8.095  | 91   | 108109   | 9.73  | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.288  | 91   | 166011   | 19.78 | UG/L   | 99       |
| 75) O-XYLENE                  | 8.622  | 91   | 84471    | 10.52 | UG/L   | 96       |
| 76) STYRENE                   | 8.561  | 104  | 65869    | 10.35 | UG/L   | 99       |
| 77) BROMOFORM                 | 8.282  | 173  | 15477    | 9.18  | UG/L # | 98       |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 108322   | 10.22 | UG/L   | 97       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.502  | 53   | 5328     | 8.48  | UG/L # | 73       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.608  | 83   | 24814    | 10.83 | UG/L   | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.806  | 53   | 5914     | 10.36 | UG/L   | 93       |
| 82) BROMOBENZENE              | 9.105  | 77   | 37502    | 9.95  | UG/L   | 96       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.734  | 75   | 18645    | 10.71 | UG/L   | 88       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 130578   | 11.19 | UG/L   | 96       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 68972    | 10.52 | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.654  | 105  | 85513    | 9.64  | UG/L   | 100      |
| 87) 4-CHLOROTOLUENE           | 9.473  | 91   | 72881    | 10.65 | UG/L   | 98       |
| 89) TERT-BUTYLBENZENE         | 9.869  | 119  | 75925    | 9.94  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 86051    | 9.75  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.070 | 105  | 118246   | 10.66 | UG/L   | 97       |
| 92) 1,3-DICHLOROBENZENE       | 10.078 | 146  | 51648    | 10.71 | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.259 | 119  | 95718    | 10.65 | UG/L   | 98       |
| 94) 1,4-DICHLOROBENZENE       | 10.145 | 146  | 51741    | 9.70  | UG/L   | 97       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 84103    | 10.12 | UG/L   | 97       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 46808    | 10.67 | UG/L   | 97       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.864 | 75   | 3494     | 11.98 | UG/L   | 94       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 31756    | 10.35 | UG/L   | 96       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.111 | 180  | 27466    | 11.42 | UG/L   | 96       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 15547    | 10.01 | UG/L   | 94       |
| 101) NAPHTHALENE              | 12.320 | 128  | 54893    | 13.57 | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.501 | 180  | 21646    | 14.13 | UG/L   | 95       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Inst : GCMSV0A5

Quant Time: Aug 23 07:00:19 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
Qlast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS Dup

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-BSD1      File ID: ve234005.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 10:48  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q          |
|----------|------------------------------------|--------------|-------|------|------------|
| 67-64-1  | Acetone                            | 83.0         | 4.7   | 50   |            |
| 107-13-1 | Acrylonitrile                      | 10.7         | 0.58  | 5.0  |            |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      | 10.6         | 0.091 | 0.50 |            |
| 71-43-2  | Benzene                            | 9.66         | 0.079 | 1.0  |            |
| 108-86-1 | Bromobenzene                       | 10.3         | 0.044 | 1.0  |            |
| 74-97-5  | Bromochloromethane                 | 10.4         | 0.22  | 1.0  |            |
| 75-27-4  | Bromodichloromethane               | 9.40         | 0.088 | 0.50 |            |
| 75-25-2  | Bromoform                          | 9.53         | 0.21  | 1.0  |            |
| 74-83-9  | Bromomethane                       | 6.26         | 0.94  | 2.0  | V-20       |
| 78-93-3  | 2-Butanone (MEK)                   | 93.5         | 2.4   | 20   |            |
| 75-65-0  | tert-Butyl Alcohol (TBA)           | 122          | 2.2   | 20   | V-16       |
| 104-51-8 | n-Butylbenzene                     | 10.2         | 0.054 | 1.0  |            |
| 135-98-8 | sec-Butylbenzene                   | 10.6         | 0.084 | 1.0  |            |
| 98-06-6  | tert-Butylbenzene                  | 10.0         | 0.096 | 1.0  |            |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      | 10.9         | 0.075 | 0.50 |            |
| 75-15-0  | Carbon Disulfide                   | 9.63         | 1.0   | 4.0  |            |
| 56-23-5  | Carbon Tetrachloride               | 8.85         | 0.10  | 5.0  |            |
| 108-90-7 | Chlorobenzene                      | 10.5         | 0.12  | 1.0  |            |
| 124-48-1 | Chlorodibromomethane               | 9.66         | 0.054 | 0.50 |            |
| 75-00-3  | Chloroethane                       | 8.00         | 0.16  | 2.0  |            |
| 67-66-3  | Chloroform                         | 9.60         | 0.14  | 2.0  |            |
| 74-87-3  | Chloromethane                      | 3.12         | 0.32  | 2.0  | L-04, V-05 |
| 95-49-8  | 2-Chlorotoluene                    | 10.6         | 0.070 | 1.0  |            |
| 106-43-4 | 4-Chlorotoluene                    | 10.8         | 0.074 | 1.0  |            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) | 12.4         | 0.34  | 5.0  |            |
| 106-93-4 | 1,2-Dibromoethane (EDB)            | 10.1         | 0.089 | 0.50 |            |

# 1 - FORM I

## ANALYSIS DATA SHEET

### LCS Dup

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-BSD1      File ID: ve234005.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 10:48  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL   | Q    |
|------------|------------------------------------|--------------|-------|------|------|
| 74-95-3    | Dibromomethane                     | 10.2         | 0.070 | 1.0  |      |
| 95-50-1    | 1,2-Dichlorobenzene                | 10.6         | 0.076 | 1.0  |      |
| 541-73-1   | 1,3-Dichlorobenzene                | 10.5         | 0.079 | 1.0  |      |
| 106-46-7   | 1,4-Dichlorobenzene                | 9.75         | 0.046 | 1.0  |      |
| 110-57-6   | trans-1,4-Dichloro-2-butene        | 10.2         | 0.12  | 2.0  |      |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) | 5.06         | 0.12  | 2.0  |      |
| 75-34-3    | 1,1-Dichloroethane                 | 10.1         | 0.16  | 1.0  |      |
| 107-06-2   | 1,2-Dichloroethane                 | 8.38         | 0.19  | 1.0  |      |
| 75-35-4    | 1,1-Dichloroethylene               | 9.19         | 0.21  | 1.0  |      |
| 156-59-2   | cis-1,2-Dichloroethylene           | 9.08         | 0.15  | 1.0  |      |
| 156-60-5   | trans-1,2-Dichloroethylene         | 10.2         | 0.15  | 1.0  |      |
| 78-87-5    | 1,2-Dichloropropane                | 9.94         | 0.11  | 1.0  |      |
| 142-28-9   | 1,3-Dichloropropane                | 10.4         | 0.099 | 0.50 |      |
| 594-20-7   | 2,2-Dichloropropane                | 10.0         | 0.072 | 1.0  |      |
| 563-58-6   | 1,1-Dichloropropene                | 9.52         | 0.13  | 2.0  |      |
| 10061-01-5 | cis-1,3-Dichloropropene            | 9.99         | 0.062 | 0.50 |      |
| 10061-02-6 | trans-1,3-Dichloropropene          | 10.3         | 0.056 | 0.50 |      |
| 60-29-7    | Diethyl Ether                      | 9.54         | 0.22  | 2.0  |      |
| 108-20-3   | Diisopropyl Ether (DIPE)           | 11.0         | 0.18  | 0.50 |      |
| 123-91-1   | 1,4-Dioxane                        | 101          | 26    | 50   | V-16 |
| 100-41-4   | Ethylbenzene                       | 9.68         | 0.092 | 1.0  |      |
| 87-68-3    | Hexachlorobutadiene                | 10.1         | 0.17  | 0.50 |      |
| 591-78-6   | 2-Hexanone (MBK)                   | 98.1         | 1.5   | 10   |      |
| 98-82-8    | Isopropylbenzene (Cumene)          | 10.5         | 0.11  | 1.0  |      |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      | 10.6         | 0.12  | 1.0  |      |
| 1634-04-4  | Methyl tert-Butyl Ether (MTBE)     | 11.8         | 0.090 | 1.0  |      |

# 1 - FORM I

## ANALYSIS DATA SHEET

LCS Dup

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-BSD1      File ID: ve234005.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 10:48  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL   | RL   | Q          |
|---------------|---------------------------------------------------|--------------|-------|------|------------|
| 75-09-2       | Methylene Chloride                                | 12.5         | 3.2   | 5.0  |            |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       | 97.9         | 1.5   | 10   |            |
| 91-20-3       | Naphthalene                                       | 13.7         | 0.12  | 2.0  | L-02, V-20 |
| 103-65-1      | n-Propylbenzene                                   | 11.3         | 0.094 | 1.0  |            |
| 100-42-5      | Styrene                                           | 10.3         | 0.12  | 1.0  |            |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         | 9.64         | 0.12  | 1.0  |            |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         | 11.1         | 0.12  | 0.50 |            |
| 127-18-4      | Tetrachloroethylene                               | 9.34         | 0.080 | 1.0  |            |
| 109-99-9      | Tetrahydrofuran                                   | 10.4         | 1.1   | 10   |            |
| 108-88-3      | Toluene                                           | 9.62         | 0.090 | 1.0  |            |
| 87-61-6       | 1,2,3-Trichlorobenzene                            | 14.2         | 0.14  | 5.0  | L-02, V-20 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            | 11.6         | 0.12  | 1.0  |            |
| 108-70-3      | 1,3,5-Trichlorobenzene                            | 10.4         | 0.14  | 1.0  |            |
| 71-55-6       | 1,1,1-Trichloroethane                             | 8.90         | 0.094 | 1.0  |            |
| 79-00-5       | 1,1,2-Trichloroethane                             | 9.68         | 0.12  | 1.0  |            |
| 79-01-6       | Trichloroethylene                                 | 8.88         | 0.077 | 1.0  |            |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 | 8.05         | 0.15  | 2.0  |            |
| 96-18-4       | 1,2,3-Trichloropropane                            | 10.9         | 0.12  | 2.0  |            |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 9.77         | 0.092 | 1.0  |            |
| 95-63-6       | 1,2,4-Trimethylbenzene                            | 9.76         | 0.18  | 1.0  |            |
| 108-67-8      | 1,3,5-Trimethylbenzene                            | 9.84         | 0.10  | 1.0  |            |
| 75-01-4       | Vinyl Chloride                                    | 7.23         | 0.13  | 2.0  |            |
| 108383/106423 | m+p Xylene                                        | 20.3         | 0.18  | 2.0  |            |
| 95-47-6       | o-Xylene                                          | 10.4         | 0.11  | 1.0  |            |



Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234005.D  
 Acq On : 22 Aug 2013 10:48 am  
 Operator :  
 Sample : b0-bsd1  
 Misc : 1  
 ALS Vial : 5 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:06:44 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208    | 168   | 247607   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972    | 114   | 342628   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850    | 82    | 156245   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 165069   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.124    | 65    | 90282    | 24.13  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 96.52%  |          |
| 48) TOLUENE SS                | 6.587    | 98    | 329423   | 25.15  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.60% |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960    | 95    | 118283   | 25.28  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 101.12% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.943    | 85    | 13849    | 5.06   | UG/L    | 99       |
| 5) CHLOROMETHANE              | 1.018    | 50    | 8786     | 3.12   | UG/L    | 95       |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 19454    | 7.23   | UG/L    | 96       |
| 7) BROMOMETHANE               | 1.269    | 94    | 10915m   | 6.26   | UG/L    |          |
| 8) CHLOROETHANE               | 1.341    | 64    | 10979    | 8.00   | UG/L    | # 77     |
| 10) FLUORODICHLOROMETHANE     | 1.372    | 67    | 34101    | 8.06   | UG/L    | 93       |
| 11) TRICHLOROFLUOROMETHANE    | 1.634    | 101   | 28228    | 8.05   | UG/L    | 98       |
| 12) DI ETHYL ETHER            | 1.790    | 59    | 14328    | 9.54   | UG/L    | # 87     |
| 13) ACROLEIN                  | 1.637    | 56    | 34047    | 92.37  | UG/L    | 100      |
| 14) ACETONE                   | 1.718    | 43    | 48862    | 82.97  | UG/L    | 96       |
| 15) 1,1-DICHLOROETHENE        | 1.947    | 61    | 32168    | 9.19   | UG/L    | 99       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.103    | 101   | 20658    | 9.77   | UG/L    | 94       |
| 17) IODOMETHANE               | 1.955    | 142   | 43493    | 22.17  | UG/L    | 94       |
| 19) METHYL ACETATE            | 2.125    | 43    | 16792    | 9.37   | UG/L    | 98       |
| 20) T-BUTYL ALCOHOL           | 2.002    | 59    | 15823    | 122.02 | UG/L    | # 89     |
| 21) ACRYLONITRILE             | 2.011    | 53    | 7154     | 10.72  | UG/L    | 97       |
| 22) METHYLENE CHLORIDE        | 2.055    | 49    | 35585    | 12.51  | UG/L    | # 82     |
| 23) CARBON DISULFIDE          | 2.156    | 76    | 71137    | 9.63   | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.702    | 73    | 52477    | 11.77  | UG/L    | 91       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.563    | 61    | 31489    | 10.21  | UG/L    | 94       |
| 26) 1,1-DICHLOROETHANE        | 2.783    | 63    | 40420    | 10.09  | UG/L    | 97       |
| 28) VINYL ACETATE             | 3.009    | 43    | 412237   | 96.19  | UG/L    | 100      |
| 30) DI ISOPROYL ETHER         | 3.332    | 45    | 64406    | 10.98  | UG/L    | 95       |
| 31) 2-BUTANONE                | 3.271    | 43    | 73552    | 93.54  | UG/L    | # 92     |
| 33) T-BUTYL ETHYL ETHER       | 3.728    | 59    | 56074    | 10.93  | UG/L    | # 93     |
| 34) CIS-1,2-DICHLOROETHENE    | 3.360    | 61    | 30088    | 9.08   | UG/L    | 88       |
| 35) 2,2-DICHLOROPROPANE       | 3.634    | 77    | 32387    | 10.01  | UG/L    | 100      |
| 36) ETHYL ACETATE             | 3.678    | 43    | 13588    | 9.16   | UG/L    | # 85     |
| 37) BROMOCHLOROMETHANE        | 3.505    | 49    | 18292    | 10.38  | UG/L    | 90       |
| 38) TETRAHYDROFURAN           | 3.899    | 42    | 4870     | 10.44  | UG/L    | # 86     |
| 39) CHLOROFORM                | 3.578    | 83    | 38413    | 9.60   | UG/L    | 96       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.278    | 97    | 32036    | 8.90   | UG/L    | 93       |
| 42) CYCLOHEXANE               | 4.520    | 56    | 38021    | 9.90   | UG/L    | # 81     |
| 43) CARBON TETRACHLORIDE      | 4.610    | 117   | 28860    | 8.85   | UG/L    | 97       |
| 44) 1,1-DICHLOROPROPENE       | 4.479    | 75    | 31938    | 9.52   | UG/L    | 96       |
| 45) BENZENE                   | 4.668    | 78    | 89341    | 9.66   | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.911    | 73    | 48945    | 10.62  | UG/L    | # 93     |
| 49) 1,2-DICHLOROETHANE        | 4.203    | 62    | 25845    | 8.38   | UG/L    | # 75     |
| 50) METHYL METHACRYLATE       | 5.734    | 41    | 15525    | 9.64   | UG/L    | # 77     |
| 51) TRICHLOROETHENE           | 5.287    | 95    | 22521    | 8.88   | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.736    | 83    | 38636    | 10.34  | UG/L    | # 86     |
| 53) 1,2-DICHLOROPROPANE       | 5.237    | 63    | 23633    | 9.94   | UG/L    | # 96     |
| 54) DIBROMOMETHANE            | 5.184    | 93    | 13405    | 10.16  | UG/L    | 93       |
| 55) 1,4-DIOXANE               | 5.491    | 88    | 1921m    | 101.37 | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.326    | 83    | 28412    | 9.40   | UG/L    | 94       |
| 58) MIBK                      | 6.121    | 43    | 175750   | 97.91  | UG/L    | 96       |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.962    | 75    | 35076    | 9.99   | UG/L    | 95       |
| 60) TOLUENE                   | 6.648    | 91    | 93937    | 9.62   | UG/L    | 99       |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234005.D  
 Acq On : 22 Aug 2013 10:48 am  
 Operator :  
 Sample : b0-bsd1  
 Misc : 1  
 ALS Vial : 5 Sample Multiplier: 1

Inst : GCMSVOA5

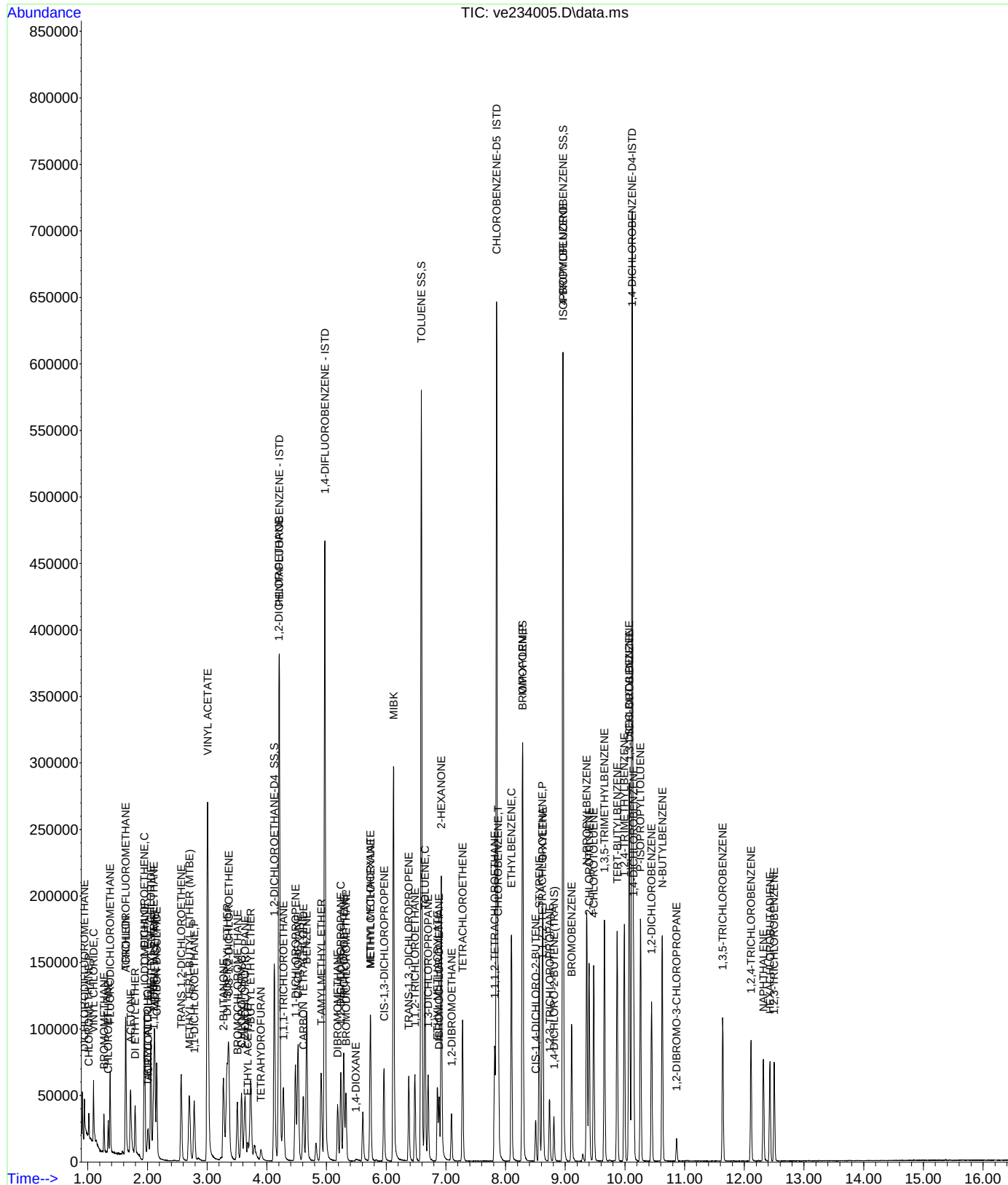
Quant Time: Aug 23 07:06:44 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 61) TRANS-1,3,-DICHLOROPRO... | 6.375  | 75   | 29113    | 10.34 | UG/L   | 96       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 24089    | 10.38 | UG/L   | 94       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.481  | 97   | 18189    | 9.68  | UG/L   | 97       |
| 64) 2-HEXANONE                | 6.921  | 43   | 120591   | 98.09 | UG/L   | 94       |
| 65) TETRACHLOROETHENE         | 7.278  | 166  | 27506    | 9.34  | UG/L   | 97       |
| 66) 1,3-DICHLOROPROPANE       | 6.701  | 76   | 31746    | 10.42 | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.888  | 129  | 22064    | 9.66  | UG/L   | 97       |
| 68) 1,2-DIBROMOETHANE         | 7.094  | 107  | 19848    | 10.14 | UG/L   | 98       |
| 71) CHLOROBENZENE             | 7.875  | 112  | 61654    | 10.50 | UG/L   | 99       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.817  | 131  | 21164    | 9.64  | UG/L   | 97       |
| 73) ETHYLBENZENE              | 8.098  | 91   | 104086   | 9.68  | UG/L   | 96       |
| 74) M/P-XYLENES               | 8.285  | 91   | 165265   | 20.34 | UG/L   | 99       |
| 75) O-XYLENE                  | 8.623  | 91   | 80424    | 10.35 | UG/L   | 97       |
| 76) STYRENE                   | 8.564  | 104  | 63280    | 10.28 | UG/L   | 99       |
| 77) BROMOFORM                 | 8.282  | 173  | 15551    | 9.53  | UG/L # | 94       |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 108049   | 10.53 | UG/L   | 96       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.503  | 53   | 5298     | 8.71  | UG/L # | 75       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.611  | 83   | 24597    | 11.09 | UG/L   | 97       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.809  | 53   | 5638     | 10.20 | UG/L   | 91       |
| 82) BROMOBENZENE              | 9.105  | 77   | 37453    | 10.27 | UG/L   | 94       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.737  | 75   | 18300    | 10.86 | UG/L   | 90       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 128043   | 11.34 | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 66949    | 10.55 | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.657  | 105  | 84432    | 9.84  | UG/L   | 99       |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 71651    | 10.82 | UG/L   | 97       |
| 89) TERT-BUTYLBENZENE         | 9.869  | 119  | 74852    | 10.05 | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 84016    | 9.76  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.070 | 105  | 114960   | 10.62 | UG/L   | 97       |
| 92) 1,3-DICHLOROBENZENE       | 10.075 | 146  | 49519    | 10.52 | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.259 | 119  | 93388    | 10.65 | UG/L   | 98       |
| 94) 1,4-DICHLOROBENZENE       | 10.145 | 146  | 50750    | 9.75  | UG/L   | 97       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 82786    | 10.21 | UG/L   | 97       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 45368    | 10.60 | UG/L   | 99       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.865 | 75   | 3518     | 12.36 | UG/L   | 91       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 30983    | 10.35 | UG/L   | 97       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.114 | 180  | 27106    | 11.55 | UG/L   | 97       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 15304    | 10.10 | UG/L   | 95       |
| 101) NAPHTHALENE              | 12.320 | 128  | 54234    | 13.74 | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.499 | 180  | 21277    | 14.23 | UG/L   | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Aug 23 07:06:44 2013  
Quant Method : C:\msdchem\1\METHODS\E051713W.m  
Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
QLast Update : Thu Jun 27 09:35:33 2013  
Response via : Initial Calibration

Inst : GCMSV0A5



# 1 - FORM I

## ANALYSIS DATA SHEET

### Matrix Spike

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-MS1      File ID: ve234021.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 18:08  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL  | RL    | Q                  |
|----------|------------------------------------|--------------|------|-------|--------------------|
| 67-64-1  | Acetone                            | 49500        | 2300 | 25000 |                    |
| 107-13-1 | Acrylonitrile                      | 5800         | 290  | 2500  |                    |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      | 6000         | 46   | 250   |                    |
| 71-43-2  | Benzene                            | 5120         | 40   | 500   |                    |
| 108-86-1 | Bromobenzene                       | 5410         | 22   | 500   |                    |
| 74-97-5  | Bromochloromethane                 | 5740         | 110  | 500   |                    |
| 75-27-4  | Bromodichloromethane               | 5180         | 44   | 250   |                    |
| 75-25-2  | Bromoform                          | 5350         | 100  | 500   |                    |
| 74-83-9  | Bromomethane                       | 2060         | 470  | 1000  | MS-07A, V-20       |
| 78-93-3  | 2-Butanone (MEK)                   | 62000        | 1200 | 10000 |                    |
| 75-65-0  | tert-Butyl Alcohol (TBA)           | 66900        | 1100 | 10000 | MS-15, V-16        |
| 104-51-8 | n-Butylbenzene                     | 5360         | 27   | 500   |                    |
| 135-98-8 | sec-Butylbenzene                   | 5600         | 42   | 500   |                    |
| 98-06-6  | tert-Butylbenzene                  | 5550         | 48   | 500   |                    |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      | 6140         | 38   | 250   |                    |
| 75-15-0  | Carbon Disulfide                   | 4490         | 510  | 2000  |                    |
| 56-23-5  | Carbon Tetrachloride               | 4880         | 50   | 2500  |                    |
| 108-90-7 | Chlorobenzene                      | 5850         | 60   | 500   |                    |
| 124-48-1 | Chlorodibromomethane               | 5300         | 27   | 250   |                    |
| 75-00-3  | Chloroethane                       | 4900         | 80   | 1000  |                    |
| 67-66-3  | Chloroform                         | 5180         | 72   | 1000  |                    |
| 74-87-3  | Chloromethane                      | 1690         | 160  | 1000  | MS-04, MS-09, V-01 |
| 95-49-8  | 2-Chlorotoluene                    | 5700         | 35   | 500   |                    |
| 106-43-4 | 4-Chlorotoluene                    | 5690         | 37   | 500   |                    |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) | 7860         | 170  | 2500  | MS-15              |
| 106-93-4 | 1,2-Dibromoethane (EDB)            | 5930         | 44   | 250   |                    |

# 1 - FORM I

## ANALYSIS DATA SHEET

### Matrix Spike

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-MS1 File ID: ve234021.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 18:08  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL    | Q      |
|------------|------------------------------------|--------------|-------|-------|--------|
| 74-95-3    | Dibromomethane                     | 5570         | 35    | 500   |        |
| 95-50-1    | 1,2-Dichlorobenzene                | 5980         | 38    | 500   |        |
| 541-73-1   | 1,3-Dichlorobenzene                | 5640         | 40    | 500   |        |
| 106-46-7   | 1,4-Dichlorobenzene                | 5200         | 23    | 500   |        |
| 110-57-6   | trans-1,4-Dichloro-2-butene        | 4660         | 60    | 1000  |        |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) | 3070         | 60    | 1000  | MS-07A |
| 75-34-3    | 1,1-Dichloroethane                 | 5420         | 79    | 500   |        |
| 107-06-2   | 1,2-Dichloroethane                 | 4510         | 97    | 500   |        |
| 75-35-4    | 1,1-Dichloroethylene               | 4680         | 100   | 500   |        |
| 156-59-2   | cis-1,2-Dichloroethylene           | 26800        | 74    | 500   |        |
| 156-60-5   | trans-1,2-Dichloroethylene         | 5470         | 75    | 500   |        |
| 78-87-5    | 1,2-Dichloropropane                | 5460         | 56    | 500   |        |
| 142-28-9   | 1,3-Dichloropropane                | 5600         | 50    | 250   |        |
| 594-20-7   | 2,2-Dichloropropane                | 3200         | 36    | 500   | MS-07A |
| 563-58-6   | 1,1-Dichloropropene                | 5160         | 64    | 1000  |        |
| 10061-01-5 | cis-1,3-Dichloropropene            | 5020         | 31    | 250   |        |
| 10061-02-6 | trans-1,3-Dichloropropene          | 5440         | 28    | 250   |        |
| 60-29-7    | Diethyl Ether                      | 5040         | 110   | 1000  |        |
| 108-20-3   | Diisopropyl Ether (DIPE)           | 6000         | 90    | 250   |        |
| 123-91-1   | 1,4-Dioxane                        | 64500        | 13000 | 25000 | V-16   |
| 100-41-4   | Ethylbenzene                       | 5280         | 46    | 500   |        |
| 87-68-3    | Hexachlorobutadiene                | 5380         | 85    | 250   |        |
| 591-78-6   | 2-Hexanone (MBK)                   | 64600        | 760   | 5000  |        |
| 98-82-8    | Isopropylbenzene (Cumene)          | 5440         | 56    | 500   |        |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      | 5660         | 62    | 500   |        |
| 1634-04-4  | Methyl tert-Butyl Ether (MTBE)     | 6420         | 45    | 500   |        |

# 1 - FORM I

## ANALYSIS DATA SHEET

### Matrix Spike

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-MS1      File ID: ve234021.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 18:08  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL  | RL   | Q                |
|---------------|---------------------------------------------------|--------------|------|------|------------------|
| 75-09-2       | Methylene Chloride                                | 5820         | 1600 | 2500 |                  |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       | 62300        | 730  | 5000 |                  |
| 91-20-3       | Naphthalene                                       | 8560         | 60   | 1000 | -.02, MS-15, V-2 |
| 103-65-1      | n-Propylbenzene                                   | 5860         | 47   | 500  |                  |
| 100-42-5      | Styrene                                           | 5340         | 60   | 500  |                  |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         | 5400         | 60   | 500  |                  |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         | 6400         | 62   | 250  |                  |
| 127-18-4      | Tetrachloroethylene                               | 5030         | 40   | 500  |                  |
| 109-99-9      | Tetrahydrofuran                                   | 6410         | 540  | 5000 |                  |
| 108-88-3      | Toluene                                           | 5220         | 45   | 500  |                  |
| 87-61-6       | 1,2,3-Trichlorobenzene                            | 8200         | 70   | 2500 | -.02, MS-15, V-2 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            | 6320         | 59   | 500  |                  |
| 108-70-3      | 1,3,5-Trichlorobenzene                            | 5660         | 69   | 500  |                  |
| 71-55-6       | 1,1,1-Trichloroethane                             | 5060         | 47   | 500  |                  |
| 79-00-5       | 1,1,2-Trichloroethane                             | 5550         | 58   | 500  |                  |
| 79-01-6       | Trichloroethylene                                 | 4920         | 38   | 500  |                  |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 | 4540         | 74   | 1000 |                  |
| 96-18-4       | 1,2,3-Trichloropropane                            | 6240         | 60   | 1000 |                  |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 4940         | 46   | 500  |                  |
| 95-63-6       | 1,2,4-Trimethylbenzene                            | 5320         | 90   | 500  |                  |
| 108-67-8      | 1,3,5-Trimethylbenzene                            | 5140         | 50   | 500  |                  |
| 75-01-4       | Vinyl Chloride                                    | 4390         | 66   | 1000 |                  |
| 108383/106423 | m+p Xylene                                        | 10600        | 90   | 1000 |                  |
| 95-47-6       | o-Xylene                                          | 5620         | 55   | 500  |                  |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234021.D  
 Acq On : 22 Aug 2013 6:08 pm  
 Operator :  
 Sample : b079321-ms1 @ 500x ms  
 Misc : 500  
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:17:50 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.208    | 168   | 243401   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972    | 114   | 339022   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850    | 82    | 154749   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 159438   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.127    | 65    | 91982    | 25.01  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.04% |          |
| 48) TOLUENE SS                | 6.589    | 98    | 322250   | 24.86  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 99.44%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960    | 95    | 114400   | 24.69  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 98.76%  |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.945    | 85    | 16524    | 6.14   | UG/L    | 99       |
| 5) CHLOROMETHANE              | 1.021    | 50    | 9345     | 3.38   | UG/L    | 98       |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 23200    | 8.78   | UG/L    | 96       |
| 7) BROMOMETHANE               | 1.272    | 94    | 7078m    | 4.13   | UG/L    |          |
| 8) CHLOROETHANE               | 1.344    | 64    | 13212    | 9.79   | UG/L    | # 87     |
| 10) FLUORODICHLOROMETHANE     | 1.375    | 67    | 38973    | 9.37   | UG/L    | 91       |
| 11) TRICHLOROFLUOROMETHANE    | 1.634    | 101   | 31245    | 9.07   | UG/L    | 97       |
| 12) DI ETHYL ETHER            | 1.796    | 59    | 14906    | 10.09  | UG/L    | # 84     |
| 13) ACROLEIN                  | 1.637    | 56    | 36959    | 102.00 | UG/L    | 100      |
| 14) ACETONE                   | 1.718    | 43    | 57267    | 98.93  | UG/L    | 100      |
| 15) 1,1-DICHLOROETHENE        | 1.949    | 61    | 32227    | 9.36   | UG/L    | 98       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.103    | 101   | 20513    | 9.87   | UG/L    | 94       |
| 17) IODOMETHANE               | 1.955    | 142   | 21162    | 16.21  | UG/L    | 94       |
| 19) METHYL ACETATE            | 2.128    | 43    | 20774    | 11.79  | UG/L    | 96       |
| 20) T-BUTYL ALCOHOL           | 2.008    | 59    | 17064m   | 133.86 | UG/L    |          |
| 21) ACRYLONITRILE             | 2.011    | 53    | 7610     | 11.60  | UG/L    | 98       |
| 22) METHYLENE CHLORIDE        | 2.055    | 49    | 32530    | 11.63  | UG/L    | # 79     |
| 23) CARBON DISULFIDE          | 2.156    | 76    | 65245    | 8.98   | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.705    | 73    | 56231m   | 12.83  | UG/L    |          |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.565    | 61    | 33189    | 10.94  | UG/L    | 95       |
| 26) 1,1-DICHLOROETHANE        | 2.786    | 63    | 42630    | 10.83  | UG/L    | 96       |
| 28) VINYL ACETATE             | 3.012    | 43    | 437026   | 103.73 | UG/L    | 99       |
| 30) DI ISOPROYL ETHER         | 3.335    | 45    | 69282    | 12.01  | UG/L    | 95       |
| 31) 2-BUTANONE                | 3.274    | 43    | 95919    | 124.09 | UG/L    | # 94     |
| 33) T-BUTYL ETHYL ETHER       | 3.734    | 59    | 61880    | 12.27  | UG/L    | # 94     |
| 34) CIS-1,2-DICHLOROETHENE    | 3.363    | 61    | 174691   | 53.61  | UG/L    | 88       |
| 35) 2,2-DICHLOROPROPANE       | 3.636    | 77    | 20356m   | 6.40   | UG/L    |          |
| 36) ETHYL ACETATE             | 3.684    | 43    | 17365    | 11.91  | UG/L    | 95       |
| 37) BROMOCHLOROMETHANE        | 3.505    | 49    | 19874    | 11.47  | UG/L    | 91       |
| 38) TETRAHYDROFURAN           | 3.901    | 42    | 5875m    | 12.82  | UG/L    |          |
| 39) CHLOROFORM                | 3.578    | 83    | 40821    | 10.37  | UG/L    | 97       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.278    | 97    | 35790    | 10.12  | UG/L    | 95       |
| 42) CYCLOHEXANE               | 4.523    | 56    | 40200    | 10.65  | UG/L    | # 86     |
| 43) CARBON TETRACHLORIDE      | 4.609    | 117   | 31252    | 9.75   | UG/L    | 99       |
| 44) 1,1-DICHLOROPROPENE       | 4.481    | 75    | 34041    | 10.32  | UG/L    | 96       |
| 45) BENZENE                   | 4.668    | 78    | 93233    | 10.25  | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.911    | 73    | 54377    | 12.00  | UG/L    | # 93     |
| 49) 1,2-DICHLOROETHANE        | 4.202    | 62    | 27511    | 9.02   | UG/L    | # 78     |
| 50) METHYL METHACRYLATE       | 5.736    | 41    | 15516    | 9.74   | UG/L    | # 77     |
| 51) TRICHLOROETHENE           | 5.290    | 95    | 24671    | 9.83   | UG/L    | 97       |
| 52) METHYLCYCLOHEXANE         | 5.736    | 83    | 38561    | 10.43  | UG/L    | 87       |
| 53) 1,2-DICHLOROPROPANE       | 5.237    | 63    | 25666    | 10.91  | UG/L    | # 96     |
| 54) DIBROMOMETHANE            | 5.187    | 93    | 14544    | 11.14  | UG/L    | 95       |
| 55) 1,4-DIOXANE               | 5.494    | 88    | 2420m    | 129.06 | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.326    | 83    | 31027    | 10.37  | UG/L    | 96       |
| 58) MIBK                      | 6.121    | 43    | 221186   | 124.53 | UG/L    | 95       |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.962    | 75    | 34843    | 10.03  | UG/L    | 94       |
| 60) TOLUENE                   | 6.651    | 91    | 100933   | 10.45  | UG/L    | 99       |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234021.D  
 Acq On : 22 Aug 2013 6:08 pm  
 Operator :  
 Sample : b079321-ms1 @ 500x ms  
 Misc : 500  
 ALS Vial : 21 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:17:50 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 61) TRANS-1,3,-DICHLOROPRO... | 6.378  | 75   | 30309    | 10.88  | UG/L   | 94       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 28215    | 12.29  | UG/L   | 93       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.481  | 97   | 20645    | 11.10  | UG/L   | 98       |
| 64) 2-HEXANONE                | 6.921  | 43   | 157216   | 129.24 | UG/L   | 93       |
| 65) TETRACHLOROETHENE         | 7.278  | 166  | 29323    | 10.06  | UG/L   | 97       |
| 66) 1,3-DICHLOROPROPANE       | 6.704  | 76   | 33781    | 11.21  | UG/L   | 100      |
| 67) DIBROMOCHLOROMETHANE      | 6.885  | 129  | 23974    | 10.61  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.094  | 107  | 22978    | 11.86  | UG/L # | 97       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 68065    | 11.70  | UG/L   | 99       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.816  | 131  | 23490    | 10.80  | UG/L   | 97       |
| 73) ETHYLBENZENE              | 8.098  | 91   | 112389   | 10.55  | UG/L   | 94       |
| 74) M/P-XYLENES               | 8.285  | 91   | 170936   | 21.24  | UG/L   | 98       |
| 75) O-XYLENE                  | 8.622  | 91   | 86432    | 11.23  | UG/L   | 96       |
| 76) STYRENE                   | 8.564  | 104  | 65094    | 10.67  | UG/L   | 99       |
| 77) BROMOFORM                 | 8.285  | 173  | 17303    | 10.70  | UG/L # | 96       |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 110574   | 10.88  | UG/L   | 97       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.502  | 53   | 5042     | 8.37   | UG/L # | 78       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.611  | 83   | 28093m   | 12.79  | UG/L   |          |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.809  | 53   | 5098     | 9.31   | UG/L # | 84       |
| 82) BROMOBENZENE              | 9.105  | 77   | 39093    | 10.82  | UG/L   | 95       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.737  | 75   | 20813    | 12.47  | UG/L   | 89       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 131029   | 11.71  | UG/L   | 97       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 71685    | 11.41  | UG/L   | 99       |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.657  | 105  | 87422    | 10.28  | UG/L   | 100      |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 74640    | 11.38  | UG/L   | 98       |
| 89) TERT-BUTYLBENZENE         | 9.869  | 119  | 79866    | 11.10  | UG/L   | 100      |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 88592    | 10.65  | UG/L   | 99       |
| 91) SEC-BUTYLBENZENE          | 10.067 | 105  | 117034   | 11.19  | UG/L   | 95       |
| 92) 1,3-DICHLOROBENZENE       | 10.078 | 146  | 51259    | 11.28  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.262 | 119  | 95846    | 11.32  | UG/L   | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.142 | 146  | 52291    | 10.40  | UG/L   | 95       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 84032    | 10.73  | UG/L   | 95       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 49445    | 11.96  | UG/L   | 98       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.867 | 75   | 4320     | 15.71  | UG/L   | 93       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 32707    | 11.31  | UG/L   | 96       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.111 | 180  | 28613    | 12.63  | UG/L   | 96       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 15734    | 10.76  | UG/L   | 95       |
| 101) NAPHTHALENE              | 12.320 | 128  | 65272    | 17.12  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.501 | 180  | 23667    | 16.39  | UG/L   | 95       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



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Inst : GCMSV0A5

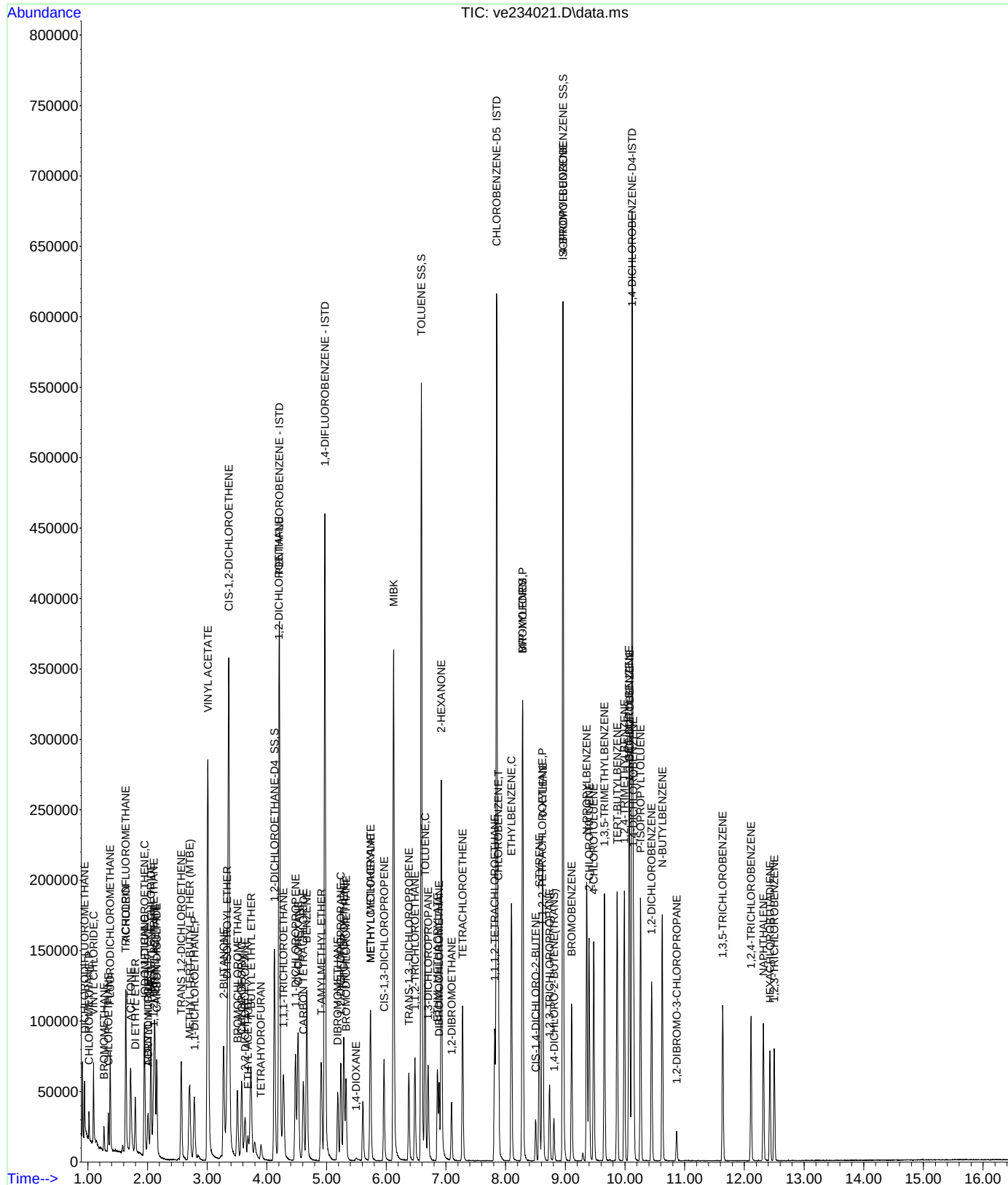
Quant Time: Aug 23 07:17:50 2013

Quant Method : C:\msdchem\1\METHODS\E051713W.m

Quant Title : 8260 WATER 5MLS VOAMS 5973 #5

QLast Update : Thu Jun 27 09:35:33 2013

Response via : Initial Calibration



# 1 - FORM I

## ANALYSIS DATA SHEET

### Matrix Spike Dup

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-MSD1 File ID: ve234022.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 18:35  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.  | COMPOUND                           | CONC. (µg/L) | MDL  | RL    | Q                 |
|----------|------------------------------------|--------------|------|-------|-------------------|
| 67-64-1  | Acetone                            | 50500        | 2300 | 25000 |                   |
| 107-13-1 | Acrylonitrile                      | 6000         | 290  | 2500  |                   |
| 994-05-8 | tert-Amyl Methyl Ether (TAME)      | 5940         | 46   | 250   |                   |
| 71-43-2  | Benzene                            | 5360         | 40   | 500   |                   |
| 108-86-1 | Bromobenzene                       | 5460         | 22   | 500   |                   |
| 74-97-5  | Bromochloromethane                 | 5740         | 110  | 500   |                   |
| 75-27-4  | Bromodichloromethane               | 4840         | 44   | 250   |                   |
| 75-25-2  | Bromoform                          | 5300         | 100  | 500   |                   |
| 74-83-9  | Bromomethane                       | 2180         | 470  | 1000  | MS-07A, V-20      |
| 78-93-3  | 2-Butanone (MEK)                   | 60200        | 1200 | 10000 |                   |
| 75-65-0  | tert-Butyl Alcohol (TBA)           | 75000        | 1100 | 10000 | MS-15, V-16       |
| 104-51-8 | n-Butylbenzene                     | 5300         | 27   | 500   |                   |
| 135-98-8 | sec-Butylbenzene                   | 5580         | 42   | 500   |                   |
| 98-06-6  | tert-Butylbenzene                  | 5400         | 48   | 500   |                   |
| 637-92-3 | tert-Butyl Ethyl Ether (TBEE)      | 6000         | 38   | 250   |                   |
| 75-15-0  | Carbon Disulfide                   | 4370         | 510  | 2000  |                   |
| 56-23-5  | Carbon Tetrachloride               | 5060         | 50   | 2500  |                   |
| 108-90-7 | Chlorobenzene                      | 5660         | 60   | 500   |                   |
| 124-48-1 | Chlorodibromomethane               | 5140         | 27   | 250   |                   |
| 75-00-3  | Chloroethane                       | 4500         | 80   | 1000  |                   |
| 67-66-3  | Chloroform                         | 5170         | 72   | 1000  |                   |
| 74-87-3  | Chloromethane                      | 1300         | 160  | 1000  | MS-04, MS-09, V-0 |
| 95-49-8  | 2-Chlorotoluene                    | 5500         | 35   | 500   |                   |
| 106-43-4 | 4-Chlorotoluene                    | 5740         | 37   | 500   |                   |
| 96-12-8  | 1,2-Dibromo-3-chloropropane (DBCP) | 7590         | 170  | 2500  | MS-15             |
| 106-93-4 | 1,2-Dibromoethane (EDB)            | 5720         | 44   | 250   |                   |

# 1 - FORM I

## ANALYSIS DATA SHEET

### Matrix Spike Dup

Laboratory: Con-Test Analytical Laboratory Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY Project: Buffalo, NY  
 Matrix: Water Laboratory ID: B079321-MSD1 File ID: ve234022.D  
 Sampled: Prepared: 08/22/13 08:49 Analyzed: 08/22/13 18:35  
 Solids: Preparation: SW-846 5030B Dilution:  
 Batch: B079321 Sequence: S004572 Calibration: 1300053 Instrument: GCMSVOA5  
 Column: 1

| CAS NO.    | COMPOUND                           | CONC. (µg/L) | MDL   | RL    | Q      |
|------------|------------------------------------|--------------|-------|-------|--------|
| 74-95-3    | Dibromomethane                     | 5730         | 35    | 500   |        |
| 95-50-1    | 1,2-Dichlorobenzene                | 5710         | 38    | 500   |        |
| 541-73-1   | 1,3-Dichlorobenzene                | 5670         | 40    | 500   |        |
| 106-46-7   | 1,4-Dichlorobenzene                | 5190         | 23    | 500   |        |
| 110-57-6   | trans-1,4-Dichloro-2-butene        | 4510         | 60    | 1000  |        |
| 75-71-8    | Dichlorodifluoromethane (Freon 12) | 3060         | 60    | 1000  | MS-07A |
| 75-34-3    | 1,1-Dichloroethane                 | 5370         | 79    | 500   |        |
| 107-06-2   | 1,2-Dichloroethane                 | 4380         | 97    | 500   |        |
| 75-35-4    | 1,1-Dichloroethylene               | 4800         | 100   | 500   |        |
| 156-59-2   | cis-1,2-Dichloroethylene           | 27100        | 74    | 500   |        |
| 156-60-5   | trans-1,2-Dichloroethylene         | 5600         | 75    | 500   |        |
| 78-87-5    | 1,2-Dichloropropane                | 5220         | 56    | 500   |        |
| 142-28-9   | 1,3-Dichloropropane                | 5440         | 50    | 250   |        |
| 594-20-7   | 2,2-Dichloropropane                | 2980         | 36    | 500   | MS-07A |
| 563-58-6   | 1,1-Dichloropropene                | 5020         | 64    | 1000  |        |
| 10061-01-5 | cis-1,3-Dichloropropene            | 4790         | 31    | 250   |        |
| 10061-02-6 | trans-1,3-Dichloropropene          | 5280         | 28    | 250   |        |
| 60-29-7    | Diethyl Ether                      | 5040         | 110   | 1000  |        |
| 108-20-3   | Diisopropyl Ether (DIPE)           | 5700         | 90    | 250   |        |
| 123-91-1   | 1,4-Dioxane                        | 63700        | 13000 | 25000 | V-16   |
| 100-41-4   | Ethylbenzene                       | 5160         | 46    | 500   |        |
| 87-68-3    | Hexachlorobutadiene                | 5320         | 85    | 250   |        |
| 591-78-6   | 2-Hexanone (MBK)                   | 62800        | 760   | 5000  |        |
| 98-82-8    | Isopropylbenzene (Cumene)          | 5610         | 56    | 500   |        |
| 99-87-6    | p-Isopropyltoluene (p-Cymene)      | 5600         | 62    | 500   |        |
| 1634-04-4  | Methyl tert-Butyl Ether (MTBE)     | 6380         | 45    | 500   |        |

# 1 - FORM I

## ANALYSIS DATA SHEET

### Matrix Spike Dup

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
 Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
 Matrix: Water      Laboratory ID: B079321-MSD1      File ID: ve234022.D  
 Sampled:      Prepared: 08/22/13 08:49      Analyzed: 08/22/13 18:35  
 Solids:      Preparation: SW-846 5030B      Dilution:  
 Batch: B079321      Sequence: S004572      Calibration: 1300053      Instrument: GCMSVOA5  
 Column: 1

| CAS NO.       | COMPOUND                                          | CONC. (µg/L) | MDL  | RL   | Q               |
|---------------|---------------------------------------------------|--------------|------|------|-----------------|
| 75-09-2       | Methylene Chloride                                | 5560         | 1600 | 2500 |                 |
| 108-10-1      | 4-Methyl-2-pentanone (MIBK)                       | 61300        | 730  | 5000 |                 |
| 91-20-3       | Naphthalene                                       | 8560         | 60   | 1000 | -20, L-02, MS-1 |
| 103-65-1      | n-Propylbenzene                                   | 5840         | 47   | 500  |                 |
| 100-42-5      | Styrene                                           | 5330         | 60   | 500  |                 |
| 630-20-6      | 1,1,1,2-Tetrachloroethane                         | 5200         | 60   | 500  |                 |
| 79-34-5       | 1,1,2,2-Tetrachloroethane                         | 6440         | 62   | 250  |                 |
| 127-18-4      | Tetrachloroethylene                               | 5040         | 40   | 500  |                 |
| 109-99-9      | Tetrahydrofuran                                   | 6360         | 540  | 5000 |                 |
| 108-88-3      | Toluene                                           | 5140         | 45   | 500  |                 |
| 87-61-6       | 1,2,3-Trichlorobenzene                            | 8320         | 70   | 2500 | -02, MS-15, V-2 |
| 120-82-1      | 1,2,4-Trichlorobenzene                            | 6200         | 59   | 500  |                 |
| 108-70-3      | 1,3,5-Trichlorobenzene                            | 5630         | 69   | 500  |                 |
| 71-55-6       | 1,1,1-Trichloroethane                             | 4960         | 47   | 500  |                 |
| 79-00-5       | 1,1,2-Trichloroethane                             | 5370         | 58   | 500  |                 |
| 79-01-6       | Trichloroethylene                                 | 5020         | 38   | 500  |                 |
| 75-69-4       | Trichlorofluoromethane (Freon 11)                 | 4640         | 74   | 1000 |                 |
| 96-18-4       | 1,2,3-Trichloropropane                            | 6300         | 60   | 1000 |                 |
| 76-13-1       | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 5240         | 46   | 500  |                 |
| 95-63-6       | 1,2,4-Trimethylbenzene                            | 5120         | 90   | 500  |                 |
| 108-67-8      | 1,3,5-Trimethylbenzene                            | 5220         | 50   | 500  |                 |
| 75-01-4       | Vinyl Chloride                                    | 4480         | 66   | 1000 |                 |
| 108383/106423 | m+p Xylene                                        | 10600        | 90   | 1000 |                 |
| 95-47-6       | o-Xylene                                          | 5480         | 55   | 500  |                 |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234022.D  
 Acq On : 22 Aug 2013 6:35 pm  
 Operator :  
 Sample : b079321-msd1 @ 500x msd  
 Misc : 500  
 ALS Vial : 22 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:18:49 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| Internal Standards            |          |       |          |        |         |          |
| 1) PENTAFLUOROBENZENE - ISTD  | 4.211    | 168   | 234398   | 30.00  | UG/L    | 0.00     |
| 47) 1,4-DIFLUOROBENZENE - ... | 4.972    | 114   | 328935   | 30.00  | UG/L    | 0.00     |
| 69) CHLOROBENZENE-D5 ISTD     | 7.850    | 82    | 148311   | 30.00  | UG/L    | 0.00     |
| 88) 1,4-DICHLOROBENZENE-D4... | 10.120   | 152   | 158462   | 30.00  | UG/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 2) 1,2-DICHLOROETHANE-D4 SS   | 4.127    | 65    | 89943    | 25.39  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 101.56% |          |
| 48) TOLUENE SS                | 6.590    | 98    | 314099   | 24.98  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 99.92%  |          |
| 70) 4-BROMOFLUOROBENZENE SS   | 8.960    | 95    | 111972   | 25.22  | UG/L    | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 100.88% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        |         | Qvalue   |
| 3) DICHLORODIFLUOROMETHANE    | 0.945    | 85    | 15879    | 6.13   | UG/L    | 99       |
| 5) CHLOROMETHANE              | 1.018    | 50    | 6924     | 2.60   | UG/L    | 100      |
| 6) VINYL CHLORIDE             | 1.096    | 62    | 22833    | 8.97   | UG/L    | 98       |
| 7) BROMOMETHANE               | 1.272    | 94    | 7194m    | 4.36   | UG/L    |          |
| 8) CHLOROETHANE               | 1.341    | 64    | 11685    | 8.99   | UG/L    | # 74     |
| 10) FLUORODICHLOROMETHANE     | 1.375    | 67    | 36560    | 9.13   | UG/L    | 92       |
| 11) TRICHLOROFLUOROMETHANE    | 1.634    | 101   | 30777    | 9.27   | UG/L    | 96       |
| 12) DI ETHYL ETHER            | 1.796    | 59    | 14351    | 10.09  | UG/L    | # 84     |
| 13) ACROLEIN                  | 1.640    | 56    | 35746    | 102.44 | UG/L    | 100      |
| 14) ACETONE                   | 1.718    | 43    | 56335    | 101.05 | UG/L    | 94       |
| 15) 1,1-DICHLOROETHENE        | 1.946    | 61    | 31799    | 9.59   | UG/L    | 97       |
| 16) 1,1,2-TRICL-1,2,2-TRIF... | 2.103    | 101   | 20995    | 10.49  | UG/L    | 99       |
| 17) IODOMETHANE               | 1.952    | 142   | 24896    | 17.51  | UG/L    | 91       |
| 19) METHYL ACETATE            | 2.125    | 43    | 19535    | 11.51  | UG/L    | 96       |
| 20) T-BUTYL ALCOHOL           | 2.008    | 59    | 18418m   | 150.04 | UG/L    |          |
| 21) ACRYLONITRILE             | 2.008    | 53    | 7586     | 12.00  | UG/L    | 97       |
| 22) METHYLENE CHLORIDE        | 2.058    | 49    | 29961    | 11.13  | UG/L    | # 81     |
| 23) CARBON DISULFIDE          | 2.156    | 76    | 61159    | 8.74   | UG/L    | 100      |
| 24) METHYL TERT-BUTYL ETHE... | 2.702    | 73    | 53905    | 12.77  | UG/L    | 90       |
| 25) TRANS 1,2-DICHLOROETHENE  | 2.563    | 61    | 32673    | 11.19  | UG/L    | 95       |
| 26) 1,1-DICHLOROETHANE        | 2.783    | 63    | 40731    | 10.74  | UG/L    | 97       |
| 28) VINYL ACETATE             | 3.009    | 43    | 418863   | 103.24 | UG/L    | 99       |
| 30) DI ISOPROYL ETHER         | 3.338    | 45    | 63257    | 11.39  | UG/L    | 96       |
| 31) 2-BUTANONE                | 3.274    | 43    | 89660    | 120.45 | UG/L    | # 94     |
| 33) T-BUTYL ETHYL ETHER       | 3.731    | 59    | 58256    | 12.00  | UG/L    | 94       |
| 34) CIS-1,2-DICHLOROETHENE    | 3.360    | 61    | 170222   | 54.25  | UG/L    | 89       |
| 35) 2,2-DICHLOROPROPANE       | 3.634    | 77    | 18221    | 5.95   | UG/L    | 98       |
| 36) ETHYL ACETATE             | 3.684    | 43    | 15906    | 11.33  | UG/L    | 97       |
| 37) BROMOCHLOROMETHANE        | 3.505    | 49    | 19160    | 11.49  | UG/L    | 92       |
| 38) TETRAHYDROFURAN           | 3.904    | 42    | 5613     | 12.72  | UG/L    | # 80     |
| 39) CHLOROFORM                | 3.578    | 83    | 39170    | 10.34  | UG/L    | 95       |
| 41) 1,1,1-TRICHLOROETHANE     | 4.281    | 97    | 33753    | 9.91   | UG/L    | 96       |
| 42) CYCLOHEXANE               | 4.523    | 56    | 39118    | 10.76  | UG/L    | # 82     |
| 43) CARBON TETRACHLORIDE      | 4.612    | 117   | 31217    | 10.12  | UG/L    | 96       |
| 44) 1,1-DICHLOROPROPENE       | 4.479    | 75    | 31874    | 10.04  | UG/L    | 98       |
| 45) BENZENE                   | 4.668    | 78    | 93883    | 10.72  | UG/L    | 100      |
| 46) T-AMYL METHYL ETHER       | 4.914    | 73    | 51855    | 11.89  | UG/L    | # 93     |
| 49) 1,2-DICHLOROETHANE        | 4.200    | 62    | 25957    | 8.77   | UG/L    | # 76     |
| 50) METHYL METHACRYLATE       | 5.608    | 41    | 17635    | 11.41  | UG/L    | 88       |
| 51) TRICHLOROETHENE           | 5.290    | 95    | 24422    | 10.03  | UG/L    | 96       |
| 52) METHYLCYCLOHEXANE         | 5.736    | 83    | 39334    | 10.96  | UG/L    | 86       |
| 53) 1,2-DICHLOROPROPANE       | 5.240    | 63    | 23842    | 10.44  | UG/L    | # 96     |
| 54) DIBROMOMETHANE            | 5.187    | 93    | 14506    | 11.46  | UG/L    | 92       |
| 55) 1,4-DIOXANE               | 5.494    | 88    | 2317m    | 127.35 | UG/L    |          |
| 56) BROMODICHLOROMETHANE      | 5.326    | 83    | 28094    | 9.68   | UG/L    | 93       |
| 58) MIBK                      | 6.121    | 43    | 211258   | 122.59 | UG/L    | 95       |
| 59) CIS-1,3-DICHLOROPROPENE   | 5.965    | 75    | 32314    | 9.58   | UG/L    | 94       |
| 60) TOLUENE                   | 6.648    | 91    | 96453    | 10.29  | UG/L    | 99       |

Data Path : C:\msdchem\1\DATA\082213\  
 Data File : ve234022.D  
 Acq On : 22 Aug 2013 6:35 pm  
 Operator :  
 Sample : b079321-msd1 @ 500x msd  
 Misc : 500  
 ALS Vial : 22 Sample Multiplier: 1

Inst : GCMSVOA5

Quant Time: Aug 23 07:18:49 2013  
 Quant Method : C:\msdchem\1\METHODS\E051713W.m  
 Quant Title : 8260 WATER 5MLS VOAMS 5973 #5  
 QLast Update : Thu Jun 27 09:35:33 2013  
 Response via : Initial Calibration

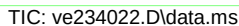
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 61) TRANS-1,3,-DICHLOROPRO... | 6.380  | 75   | 28546    | 10.56  | UG/L   | 94       |
| 62) ETHYL METHACRYLATE        | 6.857  | 69   | 25391    | 11.40  | UG/L   | 93       |
| 63) 1,1,2-TRICHLOROETHANE     | 6.481  | 97   | 19382    | 10.74  | UG/L   | 98       |
| 64) 2-HEXANONE                | 6.924  | 43   | 148252   | 125.61 | UG/L   | 91       |
| 65) TETRACHLOROETHENE         | 7.281  | 166  | 28539    | 10.09  | UG/L   | 98       |
| 66) 1,3-DICHLOROPROPANE       | 6.704  | 76   | 31840    | 10.89  | UG/L   | 99       |
| 67) DIBROMOCHLOROMETHANE      | 6.888  | 129  | 22541    | 10.28  | UG/L   | 99       |
| 68) 1,2-DIBROMOETHANE         | 7.094  | 107  | 21502    | 11.44  | UG/L   | 99       |
| 71) CHLOROBENZENE             | 7.878  | 112  | 63074    | 11.31  | UG/L   | 98       |
| 72) 1,1,1,2-TETRACHLOROETHANE | 7.819  | 131  | 21669    | 10.39  | UG/L   | 99       |
| 73) ETHYLBENZENE              | 8.098  | 91   | 105360   | 10.32  | UG/L   | 95       |
| 74) M/P-XYLENES               | 8.285  | 91   | 163841   | 21.25  | UG/L   | 98       |
| 75) O-XYLENE                  | 8.622  | 91   | 80883    | 10.96  | UG/L   | 96       |
| 76) STYRENE                   | 8.561  | 104  | 62271    | 10.66  | UG/L   | 99       |
| 77) BROMOFORM                 | 8.285  | 173  | 16425    | 10.60  | UG/L # | 96       |
| 78) ISOPROPYLBENZENE          | 8.963  | 105  | 109263   | 11.22  | UG/L   | 97       |
| 79) CIS-1,4-DICHLORO-2-BUTENE | 8.500  | 53   | 4871     | 8.43   | UG/L # | 77       |
| 80) 1,1,2,2-TETRACHLOROETHANE | 8.611  | 83   | 27111    | 12.88  | UG/L   | 99       |
| 81) 1,4-DICHLORO-2-BUTENE(... | 8.809  | 53   | 4730     | 9.02   | UG/L # | 87       |
| 82) BROMOBENZENE              | 9.108  | 77   | 37854    | 10.93  | UG/L   | 96       |
| 83) 1,2,3-TRICHLOROPROPANE    | 8.734  | 75   | 20141    | 12.59  | UG/L   | 90       |
| 84) N-PROPYLBENZENE           | 9.359  | 91   | 125107   | 11.67  | UG/L   | 96       |
| 85) 2-CHLOROTOLUENE           | 9.398  | 91   | 66300    | 11.01  | UG/L   | 100      |
| 86) 1,3,5-TRIMETHYLBENZENE    | 9.657  | 105  | 85034    | 10.44  | UG/L   | 100      |
| 87) 4-CHLOROTOLUENE           | 9.476  | 91   | 72212    | 11.49  | UG/L   | 98       |
| 89) TERT-BUTYLBENZENE         | 9.869  | 119  | 77206    | 10.79  | UG/L   | 99       |
| 90) 1,2,4-TRIMETHYLBENZENE    | 9.989  | 105  | 84610    | 10.24  | UG/L   | 98       |
| 91) SEC-BUTYLBENZENE          | 10.067 | 105  | 115861   | 11.15  | UG/L   | 96       |
| 92) 1,3-DICHLOROBENZENE       | 10.078 | 146  | 51220    | 11.34  | UG/L   | 97       |
| 93) P-ISOPROPYLTOLUENE        | 10.262 | 119  | 94220    | 11.19  | UG/L   | 99       |
| 94) 1,4-DICHLOROBENZENE       | 10.145 | 146  | 51841    | 10.38  | UG/L   | 99       |
| 95) N-BUTYLBENZENE            | 10.625 | 91   | 82543    | 10.61  | UG/L   | 96       |
| 96) 1,2-DICHLOROBENZENE       | 10.446 | 146  | 46938    | 11.42  | UG/L   | 97       |
| 97) 1,2-DIBROMO-3-CHLOROPR... | 10.865 | 75   | 4147     | 15.18  | UG/L   | 96       |
| 98) 1,3,5-TRICHLOROBENZENE    | 11.637 | 180  | 32363    | 11.26  | UG/L   | 95       |
| 99) 1,2,4-TRICHLOROBENZENE    | 12.114 | 180  | 27926    | 12.40  | UG/L   | 96       |
| 100) HEXACHLOROBUTADIENE      | 12.429 | 225  | 15464    | 10.64  | UG/L   | 95       |
| 101) NAPHTHALENE              | 12.320 | 128  | 64830    | 17.11  | UG/L   | 100      |
| 102) 1,2,3-TRICHLOROBENZENE   | 12.501 | 180  | 23891    | 16.65  | UG/L   | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

227

Inst : GCMSV0A5

Quant Time: Aug 23 07:18:49 2013



ICP





39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**1 - FORM I**  
**ANALYSIS DATA SHEET**

MW-04\_08-14-13

Laboratory: Con-Test Analytical Laboratory

SDG: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Ground Water

Laboratory ID: 13H0569-01

Sampled: 08/14/13 09:20

% Solids: 0.00

| CAS NO.   | Analyte | Concentration<br>(mg/L) | MDL   | RL    | DF | Q | Batch   | Analyzed       | Method       |
|-----------|---------|-------------------------|-------|-------|----|---|---------|----------------|--------------|
| 7439-89-6 | Iron    | 3.4                     | 0.026 | 0.050 | 1  |   | B079102 | 08/20/13 14:40 | SW-846 6010C |



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**1 - FORM I**  
**ANALYSIS DATA SHEET**

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

SDG: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Ground Water

Laboratory ID: 13H0569-02

Sampled: 08/14/13 10:50

% Solids: 0.00

| CAS NO.   | Analyte | Concentration<br>(mg/L) | MDL   | RL    | DF | Q | Batch   | Analyzed       | Method       |
|-----------|---------|-------------------------|-------|-------|----|---|---------|----------------|--------------|
| 7439-89-6 | Iron    | 0.27                    | 0.026 | 0.050 | 1  |   | B079102 | 08/20/13 13:23 | SW-846 6010C |

**INITIAL AND CONTINUING CALIBRATION CHECK****SW-846 6010C**

Laboratory: Con-Test Analytical Laboratory  
Client: CDM Smith, Inc. - NY  
Instrument ID: ICP2

Work Order: 13H0569  
Project: Buffalo, NY  
Calibration: UNASSIGNED  
Sequence: S004594

| Lab Sample ID | Analyte | True | Found | %R   | Units | Control Limit |
|---------------|---------|------|-------|------|-------|---------------|
| S004594-ICV1  | Iron    | 1.00 | 0.992 | 99.2 | mg/L  | +/- 10.00%    |
| S004594-CCV1  | Iron    | 5.00 | 4.76  | 95.2 | mg/L  | +/- 10.00%    |
| S004594-CCV2  | Iron    | 5.00 | 4.96  | 99.2 | mg/L  | +/- 10.00%    |
| S004594-CCV3  | Iron    | 5.00 | 4.82  | 96.4 | mg/L  | +/- 10.00%    |
| S004594-CCV4  | Iron    | 5.00 | 4.82  | 96.4 | mg/L  | +/- 10.00%    |
| S004594-CCV5  | Iron    | 5.00 | 4.82  | 96.5 | mg/L  | +/- 10.00%    |



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**LOW-CONCENTRATION CALIBRATION VERIFICATION****SW-846 6010C****Laboratory:** Con-Test Analytical Laboratory**SDG:** 13H0569**Client:** CDM Smith, Inc. - NY**Project:** Buffalo, NY**Calibration:** UNASSIGNED**Laboratory ID:** S004594-LCV1**Sequence:** S004594**Standard ID:** 1308029

| ANALYTE | EXPECTED<br>(mg/L) | FOUND<br>(mg/L) | % DRIFT | QC LIMIT |
|---------|--------------------|-----------------|---------|----------|
| Iron    | 0.0500             | 0.0529          | 5.8     | 30.00    |

\* Values outside of QC limits

**BLANKS**

SW-846 6010C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: S004594

| Lab Sample ID | Analyte | Found  | Units | RL    | C |
|---------------|---------|--------|-------|-------|---|
| S004594-CCB1  | Iron    | 0.0021 | mg/L  | 0.050 | U |
| S004594-CCB2  | Iron    | 0.0022 | mg/L  | 0.050 | U |
| B079102-BLK1  | Iron    | 0.0086 | mg/L  | 0.050 | U |
| S004594-CCB3  | Iron    | 0.0025 | mg/L  | 0.050 | U |
| S004594-CCB4  | Iron    | 0.0037 | mg/L  | 0.050 | U |
| S004594-CCB5  | Iron    | 0.0085 | mg/L  | 0.050 | U |

**INTERFERENCE CHECK SAMPLE****SW-846 6010C**

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Instrument ID: ICP2

Calibration: UNASSIGNED

Sequence: S004594

| Lab Sample ID | Analyte | RL   | True | Found | %R   | Units |
|---------------|---------|------|------|-------|------|-------|
| S004594-IFA1  | Iron    | 0.05 | 100  | 97.96 | 98.0 | mg/L  |
| S004594-IFB1  | Iron    | 0.05 | 100  | 95.73 | 95.7 | mg/L  |
| S004594-IFA2  | Iron    | 0.05 | 100  | 96.38 | 96.4 | mg/L  |
| S004594-IFB2  | Iron    | 0.05 | 100  | 97.47 | 97.5 | mg/L  |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

|             |                                |                |              |
|-------------|--------------------------------|----------------|--------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569      |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY  |
| Matrix:     | Water                          | Analysis:      | SW-846 6010C |
| Batch:      | B079102                        | Preparation:   | SW-846 3005A |
| % Solids:   |                                | Laboratory ID: | B079102-MS1  |
| Column:     |                                | Sample Lab ID: | 13H0569-02   |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Iron    | 0.500                    | 0.268                             | 0.743                         | 95.1            | 75 - 125             |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |          |
|---------|--------------------------|--------------------------------|--------------------|----------|-----------|----------|
|         |                          |                                |                    |          | RPD       | REC.     |
| Iron    | 0.500                    | 0.757                          | 97.8               | 1.76     | 20        | 75 - 125 |

**DUPLICATES**

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Laboratory ID: B079102-DUP1

Batch: B079102

Initial/Final: 50 mL / 50 mL

Preparation: SW-846 3005A

Analysis: SW-846 6010C

% Solids:

| ANALYTE | SAMPLE<br>CONCENTRATION<br>(mg/L) | DUPLICATE<br>CONCENTRATION<br>(mg/L) | RPD<br>% | Q | CONTROL<br>LIMIT |
|---------|-----------------------------------|--------------------------------------|----------|---|------------------|
| Iron    | 0.268                             | 0.274                                | 2.32     |   | 20               |



### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SW-846 6010C

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: SW-846 3005A

Batch: B079102

Laboratory ID: B079102-BS1

Column:

Initial/Final: 50 mL / 50 mL

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------|--------------------------|--------------------------------|------------------|----------------------|
| Iron    | 0.500                    | 0.509                          | 102              | 80 - 120             |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD | QC LIMITS<br>REC. |
|---------|--------------------------|---------------------------------|---------------------|------------|-----|-------------------|
| Iron    | 0.500                    | 0.512                           | 102                 | 0.476      | 20  | 80 - 120          |



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

## METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Matrix: Water

Instrument: ICP2

| Analyte | MDL   | MRL   | Units | Method       |
|---------|-------|-------|-------|--------------|
| Iron    | 0.026 | 0.050 | mg/L  | SW-846 6010C |



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**PREPARATION BATCH SUMMARY****SW-846 6010C**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079102      Batch Matrix: Water      Preparation: SW-846 3005A

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/20/13 07:08 | 50.00               | 50.00      |
| MW-06_08-14-13 | 13H0569-02    | 08/20/13 07:08 | 50.00               | 50.00      |
| Blank          | B079102-BLK1  | 08/20/13 07:08 | 50.00               | 50.00      |
| LCS            | B079102-BS1   | 08/20/13 07:08 | 50.00               | 50.00      |
| LCS Dup        | B079102-BSD1  | 08/20/13 07:08 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079102-DUP1  | 08/20/13 07:08 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079102-MS1   | 08/20/13 07:08 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079102-MSD1  | 08/20/13 07:08 | 50.00               | 50.00      |

# SAMPLE DATA

## ANALYSIS SEQUENCE

241

S004594

Instrument: ICP2

Calibration ID: UNASSIGNED

Printed: 9/4/2013 4:53:05PM

| Lab Number   | Analysis        | Container | Order | Position | STD ID  | ISTD ID | Client | Comments |
|--------------|-----------------|-----------|-------|----------|---------|---------|--------|----------|
| S004594-ICV1 | QC              |           | 1     |          | 1308071 | 1308132 |        |          |
| S004594-CCB1 | QC              |           | 2     |          | 1305290 | 1308132 |        |          |
| S004594-LCV1 | QC              |           | 3     |          | 1308029 | 1308132 |        |          |
| S004594-CCV1 | QC              |           | 4     |          | 1308193 | 1308132 |        |          |
| S004594-IFA1 | QC              |           | 5     |          | 1308086 | 1308132 |        |          |
| S004594-IFB1 | QC              |           | 6     |          | 1308087 | 1308132 |        |          |
| S004594-CCV2 | QC              |           | 7     |          | 1308193 | 1308132 |        |          |
| S004594-CCB2 | QC              |           | 8     |          | 1305290 | 1308132 |        |          |
| B079102-BLK1 | QC              |           | 9     |          |         | 1308132 |        |          |
| B079102-BS1  | QC              |           | 10    |          |         | 1308132 |        |          |
| B079102-BSD1 | QC              |           | 11    |          |         | 1308132 |        |          |
| S004594-CCV3 | QC              |           | 12    |          | 1308193 | 1308132 |        |          |
| S004594-CCB3 | QC              |           | 13    |          | 1305290 | 1308132 |        |          |
| 13H0569-02   | Iron 6010 Total | E         | 14    |          |         | 1308132 |        |          |
| B079102-DUP1 | QC              |           | 15    |          |         | 1308132 |        |          |
| B079102-MS1  | QC              |           | 16    |          |         | 1308132 |        |          |
| B079102-MSD1 | QC              |           | 17    |          |         | 1308132 |        |          |
| S004594-CCV4 | QC              |           | 18    |          | 1308193 | 1308132 |        |          |
| S004594-CCB4 | QC              |           | 19    |          | 1305290 | 1308132 |        |          |
| 13H0569-01   | Iron 6010 Total | E         | 20    |          |         | 1308132 |        |          |
| S004594-CCV5 | QC              |           | 21    |          | 1308193 | 1308132 |        |          |
| S004594-CCB5 | QC              |           | 22    |          | 1305290 | 1308132 |        |          |
| S004594-IFA2 | QC              |           | 23    |          | 1308086 | 1308132 |        |          |

Samples Loaded By

Date

Data Processed By

Date

## ANALYSIS SEQUENCE

242

|         |
|---------|
| S004594 |
|---------|

Instrument: ICP2

Calibration ID: UNASSIGNED

Printed: 9/4/2013 4:53:05PM

| Lab Number   | Analysis | Container | Order | Position | STD ID  | ISTD ID | Client | Comments |
|--------------|----------|-----------|-------|----------|---------|---------|--------|----------|
| S004594-IFB2 | QC       |           | 24    |          | 1308087 | 1308132 |        |          |

---

Samples Loaded By

Date

---

Data Processed By

Date

## PREPARATION BENCH SHEET

243

Prepared: 08/20/13 07:08

B079102

Printed: 8/20/2013 7:12:04AM

Matrix: Water

Con-Test Analytical Laboratory

Prepared using: METALS - SW-846 3005A

| Sample ID    | Sample ID and Source<br>Sample | AMT<br>DIGESTED<br>mL g L | Final<br>Vol<br>(mL) | Due Date | Spike Amount<br>uL |   | Comments |
|--------------|--------------------------------|---------------------------|----------------------|----------|--------------------|---|----------|
|              |                                |                           |                      |          | 1                  | 2 |          |
| B079102-BLK1 | Blank                          | 50                        | 50                   |          |                    |   |          |
| B079102-BS1  | LCS                            | 50                        | 50                   |          | 250                |   |          |
| B079102-BSD1 | LCS Dup                        | 50                        | 50                   |          | 250                |   |          |
| B079102-DUP1 | Duplicate [13H0569-02]         | 50                        | 50                   |          |                    |   |          |
| B079102-MS1  | Matrix Spike [13H0569-02]      | 50                        | 50                   |          | 250                |   |          |
| B079102-MSD1 | Matrix Spike Dup [13H0569-02]  | 50                        | 50                   |          | 250                |   |          |
| 13H0569-01   | MW-04_08-14-13                 | 50                        | 50                   |          |                    |   |          |
| 13H0569-02   | MW-06_08-14-13                 | 50                        | 50                   |          |                    |   |          |
| 13H0689-01   | MW-1                           | 50                        | 50                   |          |                    |   |          |
| 13H0689-02   | DW-1                           | 50                        | 50                   |          |                    |   |          |

Fe Pb

Standard(s):

1307054 QC Standard 26 metals

250 uL

Standard ID#

1303275

1306140

Description

Hydrochloric Acid 36.5-38%

Nitric Acid 69-70%

Manufacture Lot#

RR-0113-003

RR-0413-020

SR. 1 @ 95.5C 8/20/13 SAJ

EPPEN# 3783214

SPIKE WITNESS

SHARED W./ B079103

Prepared By

Date

Preparation Reviewed By

Date

## OPTIMA 2

08/20/13

ANALYST:OP

| Sample ID     | Elem | Conc (Samp) | Samp Units | QC Recovery | Date      | Time        | Int (Corr) | RSD (Corr Int) | Conc (Samp)1 | Conc (Samp)2 | Conc (Samp)3 |
|---------------|------|-------------|------------|-------------|-----------|-------------|------------|----------------|--------------|--------------|--------------|
| Calib Blank 1 | Y    |             | %          |             | 8/20/2013 | 7:36:32 AM  | 4777164    | 0              |              |              |              |
| Calib Blank 1 | Y    |             | %          |             | 8/20/2013 | 7:35:19 AM  | 301578     | 1              |              |              |              |
| Calib Blank 1 | Fe   |             | mg/L       |             | 8/20/2013 | 7:35:39 AM  | -615       | 2              |              |              |              |
| S1-17         | Y    |             | %          |             | 8/20/2013 | 7:39:45 AM  | 4693696    | 1              |              |              |              |
| S1-17         | Y    |             | %          |             | 8/20/2013 | 7:39:26 AM  | 301478     | 1              |              |              |              |
| S1-17         | Fe   |             | mg/L       |             | 8/20/2013 | 7:39:26 AM  | 87198      | 0              |              |              |              |
| SEQ-ICV       | Y    |             | %          |             | 8/20/2013 | 7:56:03 AM  | 4701721    | 1              |              |              |              |
| SEQ-ICV       | Y    |             | %          |             | 8/20/2013 | 7:55:07 AM  | 308695     | 1              |              |              |              |
| SEQ-ICV       | Fe   | 0.9919      | mg/L       | 99          | 8/20/2013 | 7:55:09 AM  | 8649       | 2              | 0.9720       | 0.9976       | 1.0061       |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 8:01:04 AM  | 4727548    | 1              |              |              |              |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 7:59:51 AM  | 305256     | 1              |              |              |              |
| SEQ-CCB       | Fe   | 0.0021      | mg/L       |             | 8/20/2013 | 8:00:11 AM  | 18         | 29             | 0.0023       | 0.0014       | 0.0025       |
| SEQ-LCV       | Y    |             | %          |             | 8/20/2013 | 8:17:42 AM  | 4747762    | 0              |              |              |              |
| SEQ-LCV       | Y    |             | %          |             | 8/20/2013 | 8:16:29 AM  | 311365     | 2              |              |              |              |
| SEQ-LCV       | Fe   | 0.0529      | mg/L       | 106         | 8/20/2013 | 8:16:49 AM  | 461        | 3              | 0.0545       | 0.0524       | 0.0518       |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 8:26:49 AM  | 4721105    | 0              |              |              |              |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 8:25:49 AM  | 314094     | 0              |              |              |              |
| SEQ-CCV 17    | Fe   | 4.7606      | mg/L       | 95          | 8/20/2013 | 8:25:51 AM  | 41512      | 1              | 4.8229       | 4.6943       | 4.7646       |
| SEQ-IFA       | Y    |             | %          |             | 8/20/2013 | 8:49:18 AM  | 4405714    | 0              |              |              |              |
| SEQ-IFA       | Y    |             | %          |             | 8/20/2013 | 8:48:23 AM  | 298849     | 1              |              |              |              |
| SEQ-IFA       | Fe   | 97.9648     | mg/L       | 98          | 8/20/2013 | 8:48:21 AM  | 854237     | 2              | 99.2711      | 95.8080      | 98.8154      |
| SEQ-IFB       | Y    |             | %          |             | 8/20/2013 | 8:54:07 AM  | 4402759    | 1              |              |              |              |
| SEQ-IFB       | Y    |             | %          |             | 8/20/2013 | 8:53:13 AM  | 294949     | 1              |              |              |              |
| SEQ-IFB       | Fe   | 95.7280     | mg/L       | 96          | 8/20/2013 | 8:53:11 AM  | 834732     | 1              | 95.7576      | 96.2357      | 95.1907      |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 10:57:48 AM | 4632421    | 1              |              |              |              |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 10:56:49 AM | 299864     | 1              |              |              |              |
| SEQ-CCV 17    | Fe   | 4.9577      | mg/L       | 99          | 8/20/2013 | 10:56:51 AM | 43230      | 1              | 4.9116       | 4.9671       | 4.9944       |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 11:09:09 AM | 4637285    | 1              |              |              |              |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 11:07:56 AM | 294478     | 1              |              |              |              |
| SEQ-CCB       | Fe   | 0.0022      | mg/L       |             | 8/20/2013 | 11:08:16 AM | 19         | 41             | 0.0028       | 0.0011       | 0.0025       |
| B079103-BLK1  | Y    |             | %          |             | 8/20/2013 | 11:41:09 AM | 4692644    | 1              |              |              |              |
| B079103-BLK1  | Y    |             | %          |             | 8/20/2013 | 11:39:55 AM | 288330     | 1              |              |              |              |
| B079103-BLK1  | Fe   | 0.0086      | mg/L       |             | 8/20/2013 | 11:40:15 AM | 75         | 17             | 0.0103       | 0.0078       | 0.0077       |
| B079103-BS1   | Y    |             | %          |             | 8/20/2013 | 11:44:55 AM | 4656331    | 1              |              |              |              |
| B079103-BS1   | Y    |             | %          |             | 8/20/2013 | 11:43:59 AM | 290243     | 1              |              |              |              |
| B079103-BS1   | Fe   | 0.5091      | mg/L       |             | 8/20/2013 | 11:44:02 AM | 4439       | 3              | 0.5270       | 0.5058       | 0.4945       |
| B079103-BSD1  | Y    |             | %          |             | 8/20/2013 | 11:49:41 AM | 4645861    | 0              |              |              |              |
| B079103-BSD1  | Y    |             | %          |             | 8/20/2013 | 11:48:45 AM | 294345     | 1              |              |              |              |
| B079103-BSD1  | Fe   | 0.5115      | mg/L       |             | 8/20/2013 | 11:48:47 AM | 4460       | 2              | 0.4978       | 0.5157       | 0.5210       |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 1:10:28 PM  | 4532893    | 0              |              |              |              |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 1:09:28 PM  | 289422     | 1              |              |              |              |
| SEQ-CCV 17    | Fe   | 4.8224      | mg/L       | 96          | 8/20/2013 | 1:09:30 PM  | 42050      | 1              | 4.7910       | 4.8722       | 4.8039       |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 1:21:47 PM  | 4537409    | 1              |              |              |              |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 1:20:34 PM  | 281715     | 1              |              |              |              |
| SEQ-CCB       | Fe   | 0.0025      | mg/L       |             | 8/20/2013 | 1:20:54 PM  | 22         | 90             | 0.0052       | 0.0013       | 0.0011       |
| 13H0569-02    | Y    |             | %          |             | 8/20/2013 | 1:25:36 PM  | 4391722    | 0              |              |              |              |
| 13H0569-02    | Y    |             | %          |             | 8/20/2013 | 1:24:41 PM  | 286293     | 0              |              |              |              |
| 13H0569-02    | Fe   | 0.2678      | mg/L       |             | 8/20/2013 | 1:24:43 PM  | 2335       | 2              | 0.2665       | 0.2729       | 0.2641       |
| B079102-DUP1  | Y    |             | %          |             | 8/20/2013 | 1:28:56 PM  | 4422423    | 0              |              |              |              |
| B079102-DUP1  | Y    |             | %          |             | 8/20/2013 | 1:28:00 PM  | 283785     | 1              |              |              |              |
| B079102-DUP1  | Fe   | 0.2741      | mg/L       |             | 8/20/2013 | 1:28:02 PM  | 2390       | 1              | 0.2700       | 0.2742       | 0.2781       |
| B079102-MS1   | Y    |             | %          |             | 8/20/2013 | 1:32:47 PM  | 4433663    | 1              |              |              |              |
| B079102-MS1   | Y    |             | %          |             | 8/20/2013 | 1:31:52 PM  | 284566     | 0              |              |              |              |
| B079102-MS1   | Fe   | 0.7435      | mg/L       |             | 8/20/2013 | 1:31:54 PM  | 6483       | 2              | 0.7262       | 0.7530       | 0.7511       |
| B079102-MSD1  | Y    |             | %          |             | 8/20/2013 | 1:37:39 PM  | 4466700    | 1              |              |              |              |
| B079102-MSD1  | Y    |             | %          |             | 8/20/2013 | 1:36:43 PM  | 287604     | 1              |              |              |              |
| B079102-MSD1  | Fe   | 0.7566      | mg/L       |             | 8/20/2013 | 1:36:45 PM  | 6598       | 1              | 0.7636       | 0.7499       | 0.7564       |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 2:17:37 PM  | 4603782    | 1              |              |              |              |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 2:16:38 PM  | 291536     | 1              |              |              |              |
| SEQ-CCV 17    | Fe   | 4.8197      | mg/L       | 96          | 8/20/2013 | 2:16:40 PM  | 42027      | 1              | 4.8481       | 4.8466       | 4.7644       |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 2:28:57 PM  | 4615554    | 1              |              |              |              |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 2:27:44 PM  | 289728     | 2              |              |              |              |
| SEQ-CCB       | Fe   | 0.0037      | mg/L       |             | 8/20/2013 | 2:28:04 PM  | 32         | 64             | 0.0064       | 0.0029       | 0.0018       |
| 13H0569-01    | Y    |             | %          |             | 8/20/2013 | 2:42:16 PM  | 4474224    | 1              |              |              |              |
| 13H0569-01    | Y    |             | %          |             | 8/20/2013 | 2:41:23 PM  | 288983     | 1              |              |              |              |
| 13H0569-01    | Fe   | 3.4420      | mg/L       |             | 8/20/2013 | 2:41:23 PM  | 30014      | 0              | 3.4310       | 3.4340       | 3.4611       |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 3:19:48 PM  | 4526535    | 1              |              |              |              |
| SEQ-CCV 17    | Y    |             | %          |             | 8/20/2013 | 3:18:49 PM  | 286679     | 1              |              |              |              |
| SEQ-CCV 17    | Fe   | 4.8231      | mg/L       | 96          | 8/20/2013 | 3:18:51 PM  | 42057      | 3              | 4.6701       | 4.8841       | 4.9152       |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 3:31:09 PM  | 4545425    | 1              |              |              |              |
| SEQ-CCB       | Y    |             | %          |             | 8/20/2013 | 3:29:56 PM  | 281950     | 1              |              |              |              |
| SEQ-CCB       | Fe   | 0.0085      | mg/L       |             | 8/20/2013 | 3:30:16 PM  | 74         | 8              | 0.0089       | 0.0077       | 0.0089       |
| SEQ-IFA       | Y    |             | %          |             | 8/20/2013 | 7:39:38 PM  | 4163714    | 1              |              |              |              |



## OPTIMA 2

08/20/13

ANALYST:OP

| Sample ID | Elem | Conc (Samp) | Samp Units | QC Recovery | Date      | Time       | Int (Corr) | RSD (Corr Int) | Conc (Samp)1 | Conc (Samp)2 | Conc (Samp)3 |
|-----------|------|-------------|------------|-------------|-----------|------------|------------|----------------|--------------|--------------|--------------|
| SEQ-IFA   | Y    |             | %          |             | 8/20/2013 | 7:38:42 PM | 229308     | 0              |              |              |              |
| SEQ-IFA   | Fe   | 96.3834     | mg/L       | 96          | 8/20/2013 | 7:38:42 PM | 840448     | 0              | 96.2518      | 96.7521      | 96.1464      |
| SEQ-IFB   | Y    |             | %          |             | 8/20/2013 | 7:44:26 PM | 4205731    | 0              |              |              |              |
| SEQ-IFB   | Y    |             | %          |             | 8/20/2013 | 7:43:32 PM | 228200     | 1              |              |              |              |
| SEQ-IFB   | Fe   | 97.4652     | mg/L       | 97          | 8/20/2013 | 7:43:30 PM | 849880     | 2              | 98.5943      | 95.0823      | 98.7190      |

**WET**

# SAMPLE DATA

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-04\_08-14-13

Laboratory: Con-Test Analytical Laboratory

SDG: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Ground Water

Laboratory ID: 13H0569-01

Sampled: 08/14/13 09:20

% Solids: 0.00

| CAS NO.    | Analyte              | Concentration<br>(mg/L) | MDL    | RL    | DF | Q    | Batch   | Analyzed       | Method            |
|------------|----------------------|-------------------------|--------|-------|----|------|---------|----------------|-------------------|
| 471-34-1   | Alkalinity           | 540                     | 0.79   | 1.0   | 1  |      | B078962 | 08/16/13 11:00 | SM18-20 2320B     |
| 16887-00-6 | Chloride             | 150                     | 3.5    | 5.0   | 5  |      | B079056 | 08/21/13 13:10 | SM18-20 4500 CL B |
| NA         | Ferrous Iron         | 1.4                     | 0.25   | 0.40  | 2  |      | B079077 | 08/19/13 14:45 | SM18-20 3500 Fe D |
| 14797-55-8 | Nitrate as N         |                         | 0.030  | 0.050 | 1  |      | B079065 | 08/19/13 09:58 | SM 18-20 4500 NO3 |
| 14797-65-0 | Nitrite as N         |                         | 0.0030 | 0.010 | 1  |      | B078867 | 08/15/13 11:20 | SM 18-20 4500 NO2 |
| 14808-79-8 | Sulfate              | 78                      | 6.4    | 8.0   | 4  |      | B079386 | 08/22/13 18:30 | ASTM D516-90, 02  |
| 184-96-258 | Sulfide              |                         | 1.9    | 2.0   | 1  | L-03 | B079053 | 08/19/13 16:16 | SM18-20           |
| NA         | Total Organic Carbon | 18                      | 0.67   | 1.0   | 1  |      | B079021 | 08/19/13 08:22 | SM 5310B          |

| CAS NO. | Analyte              | Concentration<br>(µmhos/cm) | MDL | RL  | DF | Q | Batch   | Analyzed       | Method        |
|---------|----------------------|-----------------------------|-----|-----|----|---|---------|----------------|---------------|
| SC      | Specific conductance | 1300                        |     | 2.0 | 1  |   | B078961 | 08/16/13 12:15 | SM18-20 2510B |

# 1 - FORM I

## ANALYSIS DATA SHEET

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

SDG: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Ground Water

Laboratory ID: 13H0569-02

Sampled: 08/14/13 10:50

% Solids: 0.00

| CAS NO.    | Analyte              | Concentration<br>(mg/L) | MDL    | RL    | DF | Q    | Batch   | Analyzed       | Method            |
|------------|----------------------|-------------------------|--------|-------|----|------|---------|----------------|-------------------|
| 471-34-1   | Alkalinity           | 380                     | 0.79   | 1.0   | 1  |      | B078962 | 08/16/13 11:00 | SM18-20 2320B     |
| 16887-00-6 | Chloride             | 150                     | 3.5    | 5.0   | 5  |      | B079056 | 08/21/13 13:10 | SM18-20 4500 CL B |
| NA         | Ferrous Iron         |                         | 0.12   | 0.20  | 1  |      | B079077 | 08/19/13 14:45 | SM18-20 3500 Fe D |
| 14797-55-8 | Nitrate as N         |                         | 0.030  | 0.050 | 1  |      | B079065 | 08/19/13 09:58 | SM 18-20 4500 NO3 |
| 14797-65-0 | Nitrite as N         |                         | 0.0030 | 0.010 | 1  |      | B078867 | 08/15/13 11:20 | SM 18-20 4500 NO2 |
| 14808-79-8 | Sulfate              | 82                      | 6.4    | 8.0   | 4  |      | B079386 | 08/22/13 18:30 | ASTM D516-90, 02  |
| 184-96-258 | Sulfide              |                         | 1.9    | 2.0   | 1  | L-03 | B079053 | 08/19/13 16:16 | SM18-20           |
| NA         | Total Organic Carbon | 14                      | 0.67   | 1.0   | 1  |      | B079021 | 08/19/13 08:22 | SM 5310B          |

| CAS NO. | Analyte              | Concentration<br>(µmhos/cm) | MDL | RL  | DF | Q | Batch   | Analyzed       | Method        |
|---------|----------------------|-----------------------------|-----|-----|----|---|---------|----------------|---------------|
| SC      | Specific conductance | 1200                        |     | 2.0 | 1  |   | B078961 | 08/16/13 12:15 | SM18-20 2510B |



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**INITIAL AND CONTINUING CALIBRATION CHECK**

SM 18-20 4500 NO2 B

Laboratory: Con-Test Analytical Laboratory  
Client: CDM Smith, Inc. - NY  
Instrument ID: INST

Work Order: 13H0569  
Project: Buffalo, NY  
Calibration:  
Sequence:

| Lab Sample ID | Analyte      | True  | Found | %R  | Units | Control Limit |
|---------------|--------------|-------|-------|-----|-------|---------------|
| B078867-CCV1  | Nitrite as N | 0.100 | 0.100 | 100 | mg/L  | +/- 15.00%    |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SM 18-20 4500 NO2 B

Batch: B078867

Preparation: NO PREP

% Solids:

Laboratory ID: B078867-MS1

Column:

Sample Lab ID: 13H0569-02

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|--------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Nitrite as N | 0.100                    | ND                                | 0.10                          | 101             | 78 - 110             |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |          |
|--------------|--------------------------|--------------------------------|--------------------|----------|-----------|----------|
|              |                          |                                |                    |          | RPD       | REC.     |
| Nitrite as N | 0.100                    | 0.10                           | 103                | 1.71     | 20        | 78 - 110 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

|             |                                |                |             |
|-------------|--------------------------------|----------------|-------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569     |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY |
| Matrix:     | Water                          | Analysis:      | SM 5310B    |
| Batch:      | B079021                        | Preparation:   | NO PREP     |
| % Solids:   |                                | Laboratory ID: | B079021-MS1 |
| Column:     |                                | Sample Lab ID: | 13H0569-02  |

| ANALYTE              | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|----------------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Total Organic Carbon | 5.00                     | 13.8                              | 17.2                          | 68.2            | 42.3 - 156           |

| ANALYTE              | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |            |
|----------------------|--------------------------|--------------------------------|--------------------|----------|-----------|------------|
|                      |                          |                                |                    |          | RPD       | REC.       |
| Total Organic Carbon | 5.00                     | 19.2                           | 108                | 11.0     | 12.8      | 42.3 - 156 |



# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

|             |                                |                |                   |
|-------------|--------------------------------|----------------|-------------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569           |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY       |
| Matrix:     | Water                          | Analysis:      | SM18-20 4500 CL B |
| Batch:      | B079056                        | Preparation:   | NO PREP           |
| % Solids:   |                                | Laboratory ID: | B079056-MS1       |
| Column:     |                                | Sample Lab ID: | 13H0569-02        |

| ANALYTE  | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|----------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Chloride | 50.0                     | 150                               | 200                           | 110             | 75.6 - 125           |

| ANALYTE  | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |            |
|----------|--------------------------|--------------------------------|--------------------|----------|-----------|------------|
|          |                          |                                |                    |          | RPD       | REC.       |
| Chloride | 50.0                     | 200                            | 105                | 1.22     | 20        | 75.6 - 125 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: SM 18-20 4500 NO3 F

Batch: B079065

Preparation: SM 4500 NO3-F

% Solids:

Laboratory ID: B079065-MS1

Column:

Sample Lab ID: 13H0569-02

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|--------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Nitrate as N | 3.98                     | ND                                | 4.1                           | 102             | 77.7 - 122           |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |            |
|--------------|--------------------------|--------------------------------|--------------------|----------|-----------|------------|
|              |                          |                                |                    |          | RPD       | REC.       |
| Nitrate as N | 3.98                     | 3.9                            | 97.9               | 4.02     | 20        | 77.7 - 122 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

|             |                                |                |                   |
|-------------|--------------------------------|----------------|-------------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569           |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY       |
| Matrix:     | Water                          | Analysis:      | SM18-20 3500 Fe D |
| Batch:      | B079077                        | Preparation:   | NO PREP           |
| % Solids:   |                                | Laboratory ID: | B079077-MS1       |
| Column:     |                                | Sample Lab ID: | 13H0569-02        |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|--------------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Ferrous Iron | 0.796                    | 0.20                              | 0.91                          | 89.2            | 86.6 - 119           |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |            |
|--------------|--------------------------|--------------------------------|--------------------|----------|-----------|------------|
|              |                          |                                |                    |          | RPD       | REC.       |
| Ferrous Iron | 0.796                    | 0.89                           | 87.5               | 1.53     | 20        | 86.6 - 119 |

# MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Analysis: ASTM D516-90, 02

Batch: B079386

Preparation: NO PREP

% Solids:

Laboratory ID: B079386-MS1

Column:

Sample Lab ID: 13H0569-02

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | SAMPLE<br>CONCENTRATION<br>(mg/L) | MS<br>CONCENTRATION<br>(mg/L) | MS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------|--------------------------|-----------------------------------|-------------------------------|-----------------|----------------------|
| Sulfate | 200                      | 82                                | 270                           | 93.0            | 44 - 141             |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | MSD<br>CONCENTRATION<br>(mg/L) | MSD<br>%<br>REC. # | %<br>RPD | QC LIMITS |          |
|---------|--------------------------|--------------------------------|--------------------|----------|-----------|----------|
|         |                          |                                |                    |          | RPD       | REC.     |
| Sulfate | 200                      | 260                            | 90.7               | 1.73     | 20        | 44 - 141 |



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

**DUPLICATES**

MW-06\_08-14-13

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Laboratory ID: B078961-DUP1

Batch: B078961

Initial/Final: 100 mL / 100 mL

Preparation: NO PREP

Analysis: SM18-20 2510B

% Solids:

| ANALYTE              | SAMPLE<br>CONCENTRATION<br>( $\mu$ mhos/cm) | DUPLICATE<br>CONCENTRATION<br>( $\mu$ mhos/cm) | RPD<br>% | Q | CONTROL<br>LIMIT |
|----------------------|---------------------------------------------|------------------------------------------------|----------|---|------------------|
| Specific conductance | 1200                                        | 1200                                           | 0.154    |   | 22.4             |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SM 18-20 4500 NO2 B

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: NO PREP

Batch: B078867

Laboratory ID: B078867-BS1

Column:

Initial/Final: 50 mL / 50 mL

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|--------------|--------------------------|--------------------------------|------------------|----------------------|
| Nitrite as N | 0.100                    | 0.10                           | 102              | 93.5 - 108           |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD  | QC LIMITS<br>REC. |
|--------------|--------------------------|---------------------------------|---------------------|------------|------|-------------------|
| Nitrite as N | 0.100                    | 0.10                            | 101                 | 0.688      | 5.38 | 93.5 - 108        |

**3 - FORM III****LCS / LCS DUPLICATE RECOVERY****SM18-20 2510B**

|             |                                |                |                 |
|-------------|--------------------------------|----------------|-----------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569         |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY     |
| Matrix:     | Water                          | Preparation:   | NO PREP         |
| Batch:      | B078961                        | Laboratory ID: | B078961-BS1     |
| Column:     |                                | Initial/Final: | 100 mL / 100 mL |

| ANALYTE              | SPIKE<br>ADDED<br>( $\mu$ mhos/cm) | LCS<br>CONCENTRATION<br>( $\mu$ mhos/cm) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|----------------------|------------------------------------|------------------------------------------|------------------|----------------------|
| Specific conductance | 147                                | 140                                      | 98.1             | 86.7 - 102           |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SM18-20 2320B

|             |                                |                |                 |
|-------------|--------------------------------|----------------|-----------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569         |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY     |
| Matrix:     | Water                          | Preparation:   | NO PREP         |
| Batch:      | B078962                        | Laboratory ID: | B078962-BS1     |
| Column:     |                                | Initial/Final: | 100 mL / 100 mL |

| ANALYTE    | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|------------|--------------------------|--------------------------------|------------------|----------------------|
| Alkalinity | 52.3                     | 53                             | 101              | 85.9 - 108           |

| ANALYTE    | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD  | QC LIMITS<br>REC. |
|------------|--------------------------|---------------------------------|---------------------|------------|------|-------------------|
| Alkalinity | 52.3                     | 52                              | 99.4                | 2.00       | 3.52 | 85.9 - 108        |



### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SM 5310B

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: NO PREP

Batch: B079021

Laboratory ID: B079021-BS1

Column:

Initial/Final: 50 mL / 50 mL

| ANALYTE              | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|----------------------|--------------------------|--------------------------------|------------------|----------------------|
| Total Organic Carbon | 10.0                     | 9.23                           | 92.3             | 90.2 - 110           |

| ANALYTE              | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | QC LIMITS<br>RPD | REC.       |
|----------------------|--------------------------|---------------------------------|---------------------|------------|------------------|------------|
| Total Organic Carbon | 10.0                     | 9.21                            | 92.1                | 0.293      | 7.59             | 90.2 - 110 |

**3 - FORM III****LCS / LCS DUPLICATE RECOVERY****SM18-20 4500S-E**

|             |                                |                |                 |
|-------------|--------------------------------|----------------|-----------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569         |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY     |
| Matrix:     | Water                          | Preparation:   | NO PREP         |
| Batch:      | B079053                        | Laboratory ID: | B079053-BS1     |
| Column:     |                                | Initial/Final: | 100 mL / 100 mL |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------|--------------------------|--------------------------------|------------------|----------------------|
| Sulfide | 14.9                     | 8.4                            | 56.4 *           | 85 - 115             |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SM18-20 4500 CL B

|             |                                |                |                 |
|-------------|--------------------------------|----------------|-----------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569         |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY     |
| Matrix:     | Water                          | Preparation:   | NO PREP         |
| Batch:      | B079056                        | Laboratory ID: | B079056-BS1     |
| Column:     |                                | Initial/Final: | 100 mL / 100 mL |

| ANALYTE  | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|----------|--------------------------|--------------------------------|------------------|----------------------|
| Chloride | 13.0                     | 12                             | 94.4             | 84.4 - 115           |

| ANALYTE  | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD  | QC LIMITS<br>REC. |
|----------|--------------------------|---------------------------------|---------------------|------------|------|-------------------|
| Chloride | 13.0                     | 12                              | 94.4                | 0.00       | 8.29 | 84.4 - 115        |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

SM 18-20 4500 NO3 F

|             |                                |                |               |
|-------------|--------------------------------|----------------|---------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569       |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY   |
| Matrix:     | Water                          | Preparation:   | SM 4500 NO3-F |
| Batch:      | B079065                        | Laboratory ID: | B079065-BS1   |
| Column:     |                                | Initial/Final: | 25 mL / 25 mL |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|--------------|--------------------------|--------------------------------|------------------|----------------------|
| Nitrate as N | 4.78                     | 4.7                            | 98.7             | 92.8 - 107           |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD  | QC LIMITS<br>REC. |
|--------------|--------------------------|---------------------------------|---------------------|------------|------|-------------------|
| Nitrate as N | 4.78                     | 4.7                             | 97.9                | 0.851      | 3.97 | 92.8 - 107        |

**3 - FORM III****LCS / LCS DUPLICATE RECOVERY****SM18-20 3500 Fe D**

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Project: Buffalo, NY

Matrix: Water

Preparation: NO PREP

Batch: B079077

Laboratory ID: B079077-BS1

Column:

Initial/Final: 50 mL / 50 mL

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|--------------|--------------------------|--------------------------------|------------------|----------------------|
| Ferrous Iron | 0.796                    | 0.81                           | 102              | 85.4 - 109           |

| ANALYTE      | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD  | QC LIMITS<br>REC. |
|--------------|--------------------------|---------------------------------|---------------------|------------|------|-------------------|
| Ferrous Iron | 0.796                    | 0.79                            | 99.1                | 2.59       | 3.71 | 85.4 - 109        |

### 3 - FORM III

## LCS / LCS DUPLICATE RECOVERY

ASTM D516-90, 02

|             |                                |                |                 |
|-------------|--------------------------------|----------------|-----------------|
| Laboratory: | Con-Test Analytical Laboratory | Work Order:    | 13H0569         |
| Client:     | CDM Smith, Inc. - NY           | Project:       | Buffalo, NY     |
| Matrix:     | Water                          | Preparation:   | NO PREP         |
| Batch:      | B079386                        | Laboratory ID: | B079386-BS1     |
| Column:     |                                | Initial/Final: | 100 mL / 100 mL |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | LCS<br>CONCENTRATION<br>(mg/L) | LCS<br>%<br>REC. | QC<br>LIMITS<br>REC. |
|---------|--------------------------|--------------------------------|------------------|----------------------|
| Sulfate | 20.0                     | 18                             | 90.7             | 80.5 - 116           |

| ANALYTE | SPIKE<br>ADDED<br>(mg/L) | LCSD<br>CONCENTRATION<br>(mg/L) | LCSD<br>%<br>REC. # | %<br>RPD # | RPD | QC LIMITS<br>REC. |
|---------|--------------------------|---------------------------------|---------------------|------------|-----|-------------------|
| Sulfate | 20.0                     | 18                              | 90.2                | 0.497      | 11  | 80.5 - 116        |

## METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test Analytical Laboratory

Work Order: 13H0569

Client: CDM Smith, Inc. - NY

Matrix: Water

Instrument: Inst

| Analyte              | MDL    | MRL   | Units    | Method            |
|----------------------|--------|-------|----------|-------------------|
| Sulfate              | 1.6    | 2.0   | mg/L     | ASTM D516-90, 02  |
| Nitrite as N         | 0.0030 | 0.010 | mg/L     | VI 18-20 4500 NO2 |
| Nitrate as N         | 0.030  | 0.050 | mg/L     | VI 18-20 4500 NO3 |
| Total Organic Carbon | 0.67   | 1.0   | mg/L     | SM 5310B          |
| Alkalinity           | 0.79   | 1.0   | mg/L     | SM18-20 2320B     |
| Specific conductance |        | 2.0   | µmhos/cm | SM18-20 2510B     |
| Ferrous Iron         | 0.029  | 0.20  | mg/L     | SM18-20 3500 Fe I |
| Chloride             | 0.70   | 1.0   | mg/L     | SM18-20 4500 CL I |
| Sulfide              | 1.9    | 2.0   | mg/L     | SM18-20 4500S-E   |



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**PREPARATION BATCH SUMMARY****SM 18-20 4500 NO2 B**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B078867      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME       | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|-------------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13    | 13H0569-01    | 08/15/13 11:20 | 50.00               | 50.00      |
| MW-06_08-14-13    | 13H0569-02    | 08/15/13 11:20 | 50.00               | 50.00      |
| Blank             | B078867-BLK1  | 08/15/13 11:20 | 50.00               | 50.00      |
| LCS               | B078867-BS1   | 08/15/13 11:20 | 50.00               | 50.00      |
| LCS Dup           | B078867-BSD1  | 08/15/13 11:20 | 50.00               | 50.00      |
| Calibration Check | B078867-CCV1  | 08/15/13 11:20 | 50.00               | 50.00      |
| MW-06_08-14-13    | B078867-MS1   | 08/15/13 11:20 | 50.00               | 50.00      |
| MW-06_08-14-13    | B078867-MSD1  | 08/15/13 11:20 | 50.00               | 50.00      |





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**PREPARATION BATCH SUMMARY****SM18-20 2510B**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B078961      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/16/13 12:15 | 100.00              | 100.00     |
| MW-06_08-14-13 | 13H0569-02    | 08/16/13 12:15 | 100.00              | 100.00     |
| Blank          | B078961-BLK1  | 08/16/13 12:15 | 100.00              | 100.00     |
| LCS            | B078961-BS1   | 08/16/13 12:15 | 100.00              | 100.00     |
| MW-06_08-14-13 | B078961-DUP1  | 08/16/13 12:15 | 100.00              | 100.00     |



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**PREPARATION BATCH SUMMARY****SM18-20 2320B**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B078962      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/16/13 11:00 | 100.00              | 100.00     |
| MW-06_08-14-13 | 13H0569-02    | 08/16/13 11:00 | 100.00              | 100.00     |
| Blank          | B078962-BLK1  | 08/16/13 11:00 | 100.00              | 100.00     |
| LCS            | B078962-BS1   | 08/16/13 11:00 | 100.00              | 100.00     |
| LCS Dup        | B078962-BSD1  | 08/16/13 11:00 | 100.00              | 100.00     |



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**PREPARATION BATCH SUMMARY****SM 5310B**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079021      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/19/13 08:22 | 50.00               | 50.00      |
| MW-06_08-14-13 | 13H0569-02    | 08/19/13 08:22 | 50.00               | 50.00      |
| Blank          | B079021-BLK1  | 08/19/13 08:22 | 50.00               | 50.00      |
| LCS            | B079021-BS1   | 08/19/13 08:22 | 50.00               | 50.00      |
| LCS Dup        | B079021-BSD1  | 08/19/13 08:22 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079021-MS1   | 08/19/13 08:22 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079021-MSD1  | 08/19/13 08:22 | 50.00               | 50.00      |



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## PREPARATION BATCH SUMMARY

### SM18-20 4500S-E

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079053      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/19/13 16:16 | 100.00              | 100.00     |
| MW-06_08-14-13 | 13H0569-02    | 08/19/13 16:16 | 100.00              | 100.00     |
| Blank          | B079053-BLK1  | 08/19/13 16:16 | 100.00              | 100.00     |
| LCS            | B079053-BS1   | 08/19/13 16:16 | 100.00              | 100.00     |



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**PREPARATION BATCH SUMMARY****SM18-20 4500 CL B**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079056      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/21/13 13:10 | 100.00              | 100.00     |
| MW-06_08-14-13 | 13H0569-02    | 08/21/13 13:10 | 100.00              | 100.00     |
| Blank          | B079056-BLK1  | 08/21/13 13:10 | 100.00              | 100.00     |
| LCS            | B079056-BS1   | 08/21/13 13:10 | 100.00              | 100.00     |
| LCS Dup        | B079056-BSD1  | 08/21/13 13:10 | 100.00              | 100.00     |
| MW-06_08-14-13 | B079056-MS1   | 08/21/13 13:10 | 100.00              | 100.00     |
| MW-06_08-14-13 | B079056-MSD1  | 08/21/13 13:10 | 100.00              | 100.00     |



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**PREPARATION BATCH SUMMARY**

SM 18-20 4500 NO3 F

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079065      Batch Matrix: Water      Preparation: SM 4500 NO3-F

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/19/13 09:58 | 25.00               | 25.00      |
| MW-06_08-14-13 | 13H0569-02    | 08/19/13 09:58 | 25.00               | 25.00      |
| Blank          | B079065-BLK1  | 08/19/13 09:58 | 25.00               | 25.00      |
| LCS            | B079065-BS1   | 08/19/13 09:58 | 25.00               | 25.00      |
| LCS Dup        | B079065-BSD1  | 08/19/13 09:58 | 25.00               | 25.00      |
| MW-06_08-14-13 | B079065-MS1   | 08/19/13 09:58 | 25.00               | 25.00      |
| MW-06_08-14-13 | B079065-MSD1  | 08/19/13 09:58 | 25.00               | 25.00      |



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**PREPARATION BATCH SUMMARY****SM18-20 3500 Fe D**

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079077      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/19/13 14:45 | 50.00               | 50.00      |
| MW-06_08-14-13 | 13H0569-02    | 08/19/13 14:45 | 50.00               | 50.00      |
| Blank          | B079077-BLK1  | 08/19/13 14:45 | 50.00               | 50.00      |
| LCS            | B079077-BS1   | 08/19/13 14:45 | 50.00               | 50.00      |
| LCS Dup        | B079077-BSD1  | 08/19/13 14:45 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079077-MS1   | 08/19/13 14:45 | 50.00               | 50.00      |
| MW-06_08-14-13 | B079077-MSD1  | 08/19/13 14:45 | 50.00               | 50.00      |



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**PREPARATION BATCH SUMMARY**

ASTM D516-90, 02

Laboratory: Con-Test Analytical Laboratory      Work Order: 13H0569  
Client: CDM Smith, Inc. - NY      Project: Buffalo, NY  
Batch: B079386      Batch Matrix: Water      Preparation: NO PREP

| SAMPLE NAME    | LAB SAMPLE ID | DATE PREPARED  | INITIAL VOL./WEIGHT | FINAL VOL. |
|----------------|---------------|----------------|---------------------|------------|
| MW-04_08-14-13 | 13H0569-01    | 08/22/13 18:30 | 25.00               | 100.00     |
| MW-06_08-14-13 | 13H0569-02    | 08/22/13 18:30 | 25.00               | 100.00     |
| Blank          | B079386-BLK1  | 08/22/13 18:30 | 100.00              | 100.00     |
| LCS            | B079386-BS1   | 08/22/13 18:30 | 100.00              | 100.00     |
| LCS Dup        | B079386-BSD1  | 08/22/13 18:30 | 100.00              | 100.00     |
| MW-06_08-14-13 | B079386-MS1   | 08/22/13 18:30 | 10.00               | 100.00     |
| MW-06_08-14-13 | B079386-MSD1  | 08/22/13 18:30 | 10.00               | 100.00     |



# PREPARATION BENCH SHEET

277

B078867

Con-Test Analytical Laboratory

Printed: 8/15/2013 1:37:28PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis               | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|------------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0503-02   | Nitrite-Nitrogen (NO2) | 08/15/13 11:20 | 50           | 50         |          |            |          | IX           |                      | .043 = .015         |
| 13H0569-01   | Nitrite-Nitrogen (NO2) | 08/15/13 11:20 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | .010                |
| 13H0569-02   | Nitrite-Nitrogen (NO2) | 08/15/13 11:20 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | .005                |
| B078867-BLK1 | QC                     | 08/15/13 11:20 | 50           | 50         |          |            |          |              |                      | .000                |
| B078867-BS1  | QC                     | 08/15/13 11:20 | 50           | 50         | 1303071  |            | 500      |              | TV=0.10mg/L          | .292 102%           |
| B078867-BSD1 | QC                     | 08/15/13 11:20 | 50           | 50         | 1303071  |            | 500      |              |                      | .290 101%           |
| B078867-CCV1 | QC / FCV               | 08/15/13 11:20 | 50           | 50         | 1302192  |            | 500      |              |                      | .288 100%           |
| B078867-MS1  | QC                     | 08/15/13 11:20 | 50           | 50         | 1302192  | 13H0569-02 | 500      |              |                      | .290 101%           |
| B078867-MSD1 | QC                     | 08/15/13 11:20 | 50           | 50         | 1302192  | 13H0569-02 | 500      |              |                      | .295 103%           |

0 .000  
 .01 .029  
 .03 .087  
 .10 .288  
 .18 .517

0.9999983

genesys #2 sac  
 lpp #343/147  
 4497797  
 color (WC40-304)

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

Import Spec. - WC Water

|                           |                                   |
|---------------------------|-----------------------------------|
| Initial Calibration Date: | Test Code:                        |
| Analyst: VAK              | Prep Date/Time: 8/15/13 11:20     |
| Analyte: Nitrite as N     | Analysis Date/Time: 8/15/13 11:20 |
| Method: SM4500NO2B        | Units: mg/L                       |

| Measured Response | Standards I.D. | Actual Concentration | Calculated Value (linear) |
|-------------------|----------------|----------------------|---------------------------|
| 0.000             |                | 0.00                 | 0.000                     |
| 0.029             |                | 0.01                 | 0.010                     |
| 0.087             |                | 0.03                 | 0.030                     |
| 0.288             |                | 0.10                 | 0.100                     |
| 0.517             |                | 0.18                 |                           |

Batch ID: B078867

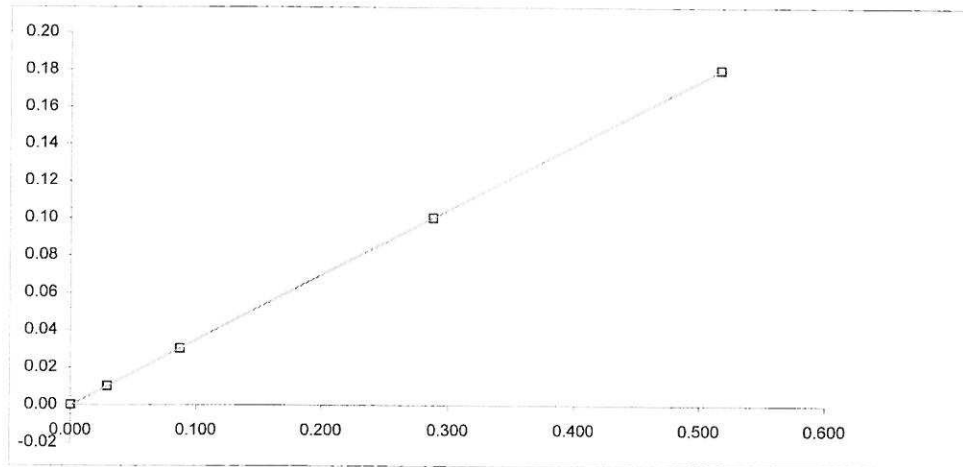
## LINEAR EQUATION

$$y=a+bx$$

a= 0.0004206

b= 2.9715532

r= 0.9999983



Volume Initial

Volume Final

Calculation: mg/L = (Raw value from curve) \* DF

Calculation: mg/kg = (Raw value from curve) \* (Extract Vol./Sample Wt.) \* DF

| A                       | B            | C              | D                 | E              | F               | G                    | H                | I                       | J  | K       | L      | M            | N                |
|-------------------------|--------------|----------------|-------------------|----------------|-----------------|----------------------|------------------|-------------------------|----|---------|--------|--------------|------------------|
| Import Spec. - WC_Water |              |                |                   |                |                 |                      |                  |                         |    |         |        |              |                  |
| #                       | Sample ID    | Client ID      | SampType          | Response (abs) | Analytical Time | Sample Aliquot (gms) | Sample Vol (mls) | Extraction Volume (mls) | DF | Analyte | Net DF | RawVal       | Final Conc. mg/L |
|                         | 13H0503-02   | 2670           | Sample            | 0.043          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.014828006  | 0.014828006      |
|                         | 13H0569-01   | MW-04_08-14-13 | Sample            | 0.010          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.003335967  | 0.003335967      |
|                         | 13H0569-02   | MW-06_08-14-13 | Sample            | 0.005          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.001594749  | 0.001594749      |
|                         | B078867-BLK1 | -              | Blank             | 0.000          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | -0.000146469 | -0.000146469     |
|                         | B078867-BS1  | -              | LCS               | 0.292          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.101540662  | 0.101540662      |
|                         | B078867-BSD1 | -              | LCS Dup           | 0.290          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.100844167  | 0.100844167      |
|                         | B078867-CCV1 | -              | Calibration Check | 0.288          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.100147679  | 0.100147679      |
|                         | B078867-MS1  | 13H0569-02     | Matrix Spike      | 0.290          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.100844167  | 0.100844167      |
|                         | B078867-MSD1 | 13H0569-02     | Matrix Spike Dup  | 0.295          | 8/15/13 11:20   |                      | 50               |                         | 1  |         | 1      | 0.10258539   | 0.10258539       |

0

| Final Conc.<br>mg/kg |
|----------------------|
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |

## PREPARATION BENCH SHEET

281

B078962

Con-Test Analytical Laboratory

Printed: 8/19/2013 12:05:54PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis              | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|-----------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0490-01   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-02   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-03   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-04   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-07   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-08   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-01   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-02   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0613-01   | Alkalinity by SM2320B | 08/16/13 11:00 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| B078962-BLK1 | QC                    | 08/16/13 11:00 | 100          | 100        |          |            |          |              |                      |                     |
| B078962-BS1  | QC                    | 08/16/13 11:00 | 100          | 100        | 1307060  |            | 1        |              |                      |                     |
| B078962-BSD1 | QC                    | 08/16/13 11:00 | 100          | 100        | 1307060  |            | 1        |              |                      |                     |
| B078962-DUP1 | QC                    | 08/16/13 11:00 | 100          | 100        |          | 13H0613-01 |          |              |                      |                     |
| B078962-MS1  | QC                    | 08/16/13 11:00 | 100          | 100        | 1308101  | 13H0613-01 | 5000     |              |                      |                     |

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

STICK (130810) exp. 4-15-12

Titrimetric Determinations  
Method Summary Worksheet

\*Date Standardized  
(WC40-390) THWMT 059

Analysis: Alkalinity Method #: SM2320 Date/Analyst: 8/10/13 VAK  
QC Reference sample: 52.2 mg/L True Value: 52.3 mg/L Range: (85.9 - 108.1) Titrant Normality/Date: 0.02N/8-4-13

| Sample Id#    | 13070600<br>buret mls<br>final - initial - Blk | mls<br>used | Calculation / Final Concentration        | Clients / Comments |
|---------------|------------------------------------------------|-------------|------------------------------------------|--------------------|
| Blank         | $\frac{4.5}{.05} - \frac{4.7}{.05}$            | 0.1         | $[(2 \times .05) - 0.1] = 0$ ✓ (21 mg/L) | ✓                  |
| Standard LCS  | 5.05                                           | 5.05        | $(.02)(50000)/100 = 53.03$               | (101%) ✓           |
| QC Reference  | 4.95                                           | 4.95        | $100 = 51.98$                            | (99%) ✓            |
| 13H0490-01    | 18.9                                           | 18.9        | $150 = 396.9$                            | ✓                  |
| 0490-02       | 13.9                                           | 13.9        | $150 = 291.9$                            | ✓                  |
| 0490-03       | 20.45                                          | 20.45       | $150 = 429.45$                           | ✓                  |
| 0490-04       | 29.55                                          | 29.55       | $150 = 620.55$                           | ✓                  |
| 0490-07       | 26.8                                           | 26.8        | $150 = 562.8$                            | ✓                  |
| 0490-08       | 16.35                                          | 16.35       | $150 = 343.35$                           | ✓                  |
| 0509-01       | 25.5                                           | 25.5        | $150 = 535.5$                            | ✓                  |
| 0509-02       | 17.9                                           | 17.9        | $150 = 375.9$                            | ✓                  |
| 0613-01       | 20                                             | 2.0         | $100 = 21.0$                             | ✓                  |
| DP            | 2.0                                            | 2.0         | $100 = 21.0$                             | ✓                  |
| MS            | 6.8                                            | 6.8         | $100 = 71.4$ ✓                           | (101%) TV=50       |
| CCV           | 4.8                                            | 4.8         | $100 = 50.4$ (101%)                      | ✓                  |
| Cal.ck (std.) |                                                |             |                                          | True Value:        |
| Dup.          |                                                |             |                                          |                    |
| MS            |                                                |             |                                          |                    |
| Cal.ck (std.) |                                                |             |                                          | True Value:        |

UAK 8/10/13

| Sample Id# | 1st Result | 2nd Result | RPD | Sample Id# | Spiked Sample | Spike Added | % Recovered |
|------------|------------|------------|-----|------------|---------------|-------------|-------------|
|            |            |            |     |            |               |             | 282         |
|            |            |            |     |            |               |             |             |



## PREPARATION BENCH SHEET

B079021

Con-Test Analytical Laboratory

Printed: 8/19/2013 3:11:19PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis             | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments       |
|--------------|----------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------------|
| 13H0490-01   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0490-02   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0490-03   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0490-04   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0490-07   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0490-08   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0542-01   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              |                      | <u>moved<br/>on batch</u> |
| 13H0542-02   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              |                      |                           |
| 13H0569-01   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0569-02   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY |                           |
| 13H0609-01   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              |                      |                           |
| 13H0616-01   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              |                      |                           |
| 13H0616-02   | Total Organic Carbon | 08/19/13 08:22 | 50           | 50         |          |            |          |              |                      |                           |
| B079021-BLK1 | QC                   | 08/19/13 08:22 | 50           | 50         |          |            |          |              |                      |                           |
| B079021-BS1  | QC                   | 08/19/13 08:22 | 50           | 50         | 1303179  |            | 5000     |              |                      |                           |
| B079021-BSD1 | QC                   | 08/19/13 08:22 | 50           | 50         | 1303179  |            | 5000     |              |                      |                           |
| B079021-DUP1 | QC                   | 08/19/13 08:22 | 50           | 50         |          | 13H0490-07 |          |              |                      |                           |
| B079021-MS1  | QC                   | 08/19/13 08:22 | 50           | 50         | 1303183  | 13H0569-02 | 2500     |              |                      |                           |
| B079021-MS2  | QC                   | 08/19/13 08:22 | 50           | 50         | 1303183  | 13H0490-07 | 2500     |              |                      |                           |
| B079021-MSD1 | QC                   | 08/19/13 08:22 | 50           | 50         | 1303183  | 13H0569-02 | 2500     |              |                      |                           |

✓  
VAK 8/19/13

Date

✓  
VAK 8/19/13

Preparation Reviewed By

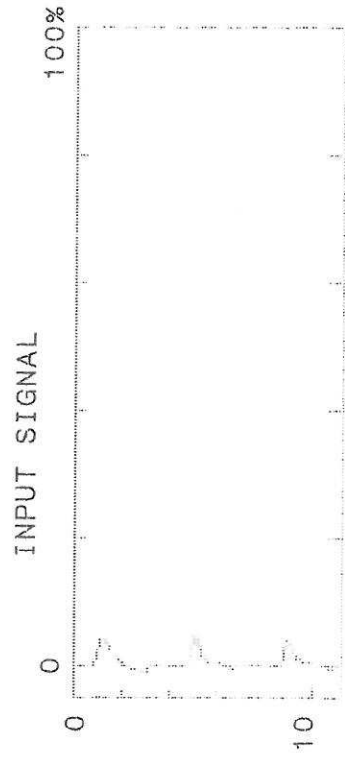
Date

Extracts Received By

Date

POWER OFF 08(AUG)-14-2013 12:47  
POWER ON 08(AUG)-14-2013 12:47

POWER OFF 08(AUG)-14-2013 13:30  
POWER ON 08(AUG)-19-2013 07:07



TIME [ min ]

CAL CURVE F# 3  
1st STANDARD

TC 0.0mg/1 VIAL: S1  
[ x 5, 100µl, #WASH 2, SP 3min ]

# AREA

1- 3631

2 2657

3 2768

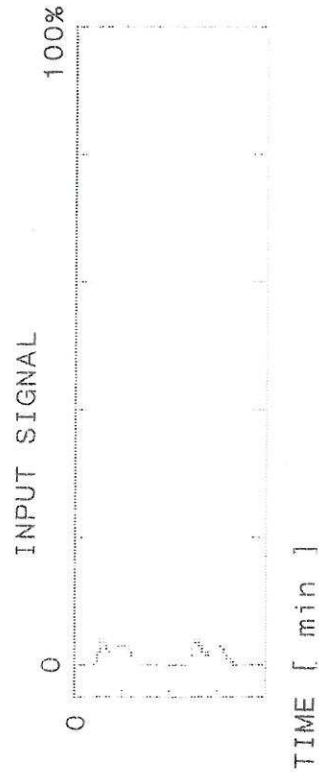
- - - -

MN 2712

SD 78

CV 2.89 %

DATE 08(AUG)-19-2013 08:22



TIME [ min ]



CAL CURVE F# 3

2nd STANDARD TC 1.0mg/1 VIAL: S2  
[x 5, 100µl, #WASH 2, SP 3min]

| # | AREA |
|---|------|
| 1 | 4743 |
| 2 | 4581 |

|    |        |
|----|--------|
| MN | 4662   |
| SD | 114    |
| CV | 2.45 % |

DATE 08(AUG)-19-2013 08:32



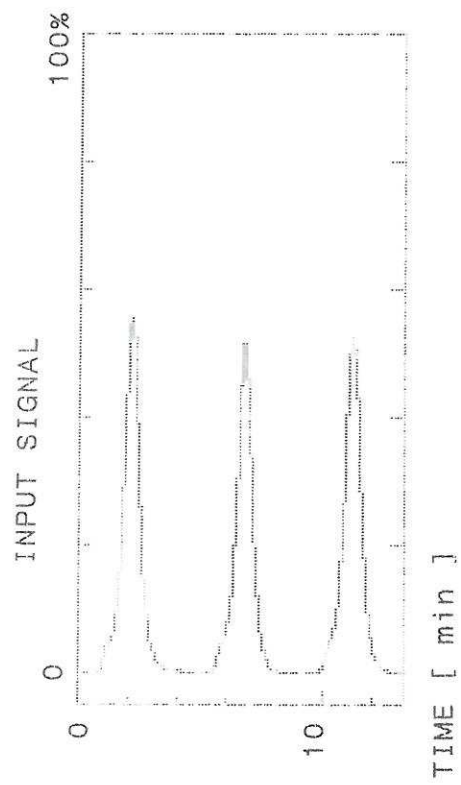
CAL CURVE F# 3

3rd STANDARD TC 10.0mg/1 VIAL: S3  
[x 5, 100µl, #WASH 2, SP 3min]

| # | AREA  |
|---|-------|
| 1 | 25175 |
| 2 | 24996 |

|    |        |
|----|--------|
| MN | 25085  |
| SD | 126    |
| CV | 0.50 % |

DATE 08(AUG)-19-2013 08:46



CAL CURVE F# 3

4th STANDARD

TC 20.0mg/1 VIAL: S4  
[x 5, 100µl, #WASH 2, SP 3min]

# AREA

1 46737

2-44488

3 47107

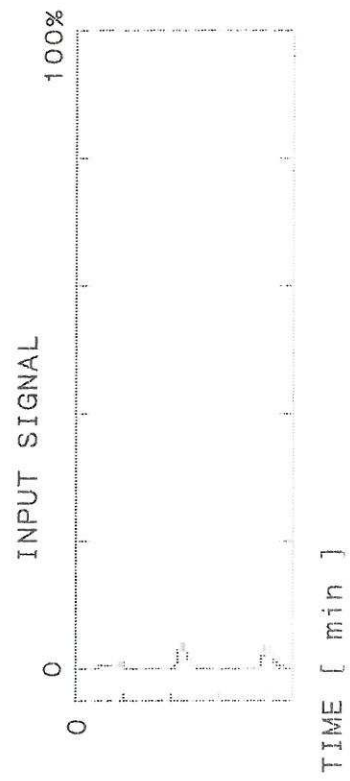
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MN 46922

SD 261

CV 0.55 %

DATE 08(AUG)-19-2013 09:04

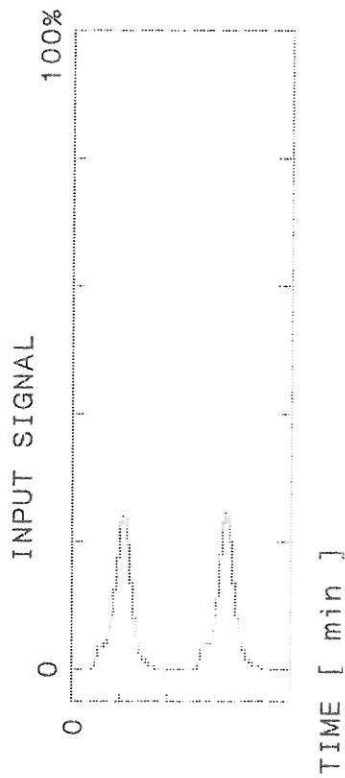


SAMPLE# 1 NPOC VIAL: 1  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG

1- 0 -1.19  
 2 1815 -0.37  
 3 1809 -0.37

MN 1812 -0.37  
 SD 4 0.002  
 CV 0.23 %  
 COR CONC DIL -0.37 [x 1.0]  
 COR CONC INJ -0.37 [x 1.0]

DATE 08(AUG)-19-2013 09:15

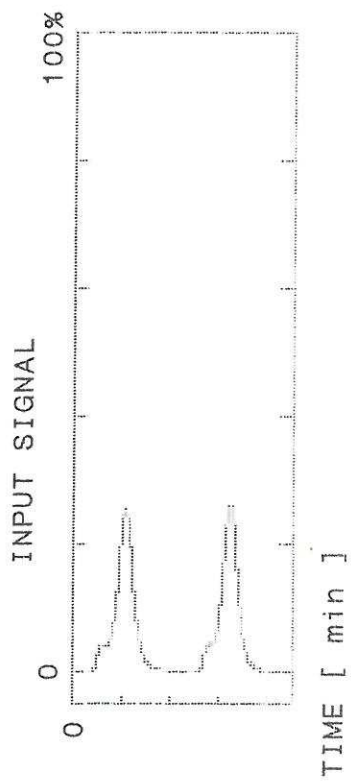


SAMPLE# 2 NPOC VIAL: 2  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG

1 22201 8.811  
 2 22257 8.836

MN 22229 8.823  
 SD 39 0.017  
 CV 0.17 %  
 COR CONC DIL 8.823 [x 1.0]  
 COR CONC INJ 8.823 [x 1.0]

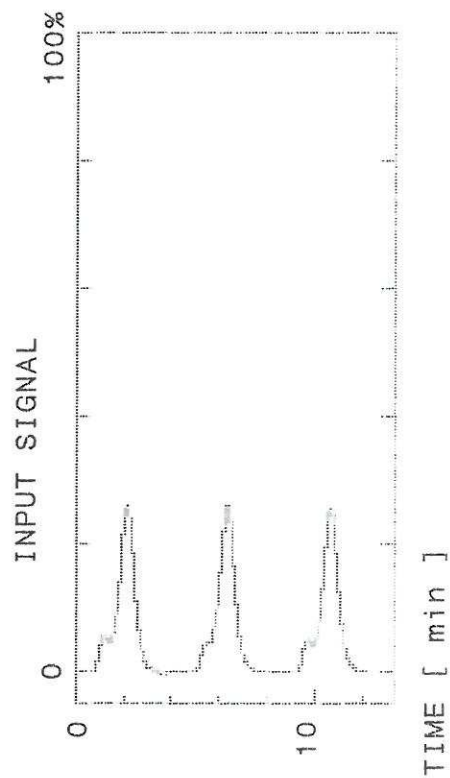
DATE 08(AUG)-19-2013 09:27



SAMPLE# 3 NPOC VIAL: 3  
 [x 5, 100 $\mu$ l, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C#  $\mu$ l RG  
 1 22963 9.154  
 2 23317 9.314  
 ---  
 MN 23140 9.234  
 SD 250 0.112  
 CV 1.08 %  
 COR CONC DIL 9.234 [x 1.0]  
 COR CONC INJ 9.234 [x 1.0]

DATE 08(AUG)-19-2013 09:40

✓  
 ✓ 22.3%  
 ✓ 5.2%



SAMPLE# 4 NPOC VIAL: 4  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

# AREA mg/l C# µl RG

1-23874 9.564

2 23084 9.209

3 23077 9.205

MN 23080 9.207

SD 4 0.002

CV 0.02 %

COR CONC DIL 9.207 [x 1.0]

COR CONC INJ 9.207 [x 1.0]

DATE 08(AUG)-19-2013 09:58

INPUT SIGNAL



TIME [ min ]

SAMPLE# 5 NPOC VIAL: 5  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

# AREA mg/l C# µl RG

1 23843 9.550

2 23655 9.466

MN 23749 9.508

SD 132 0.059

CV 0.55 %

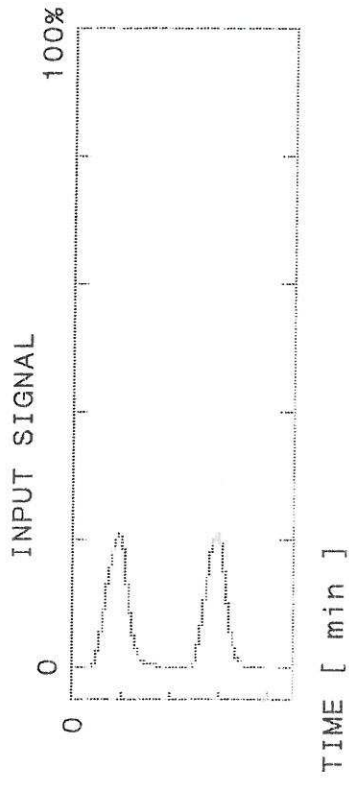
COR CONC DIL 9.508 [x 1.0]

COR CONC INJ 9.508 [x 1.0]

DATE 08(AUG)-19-2013 10:08

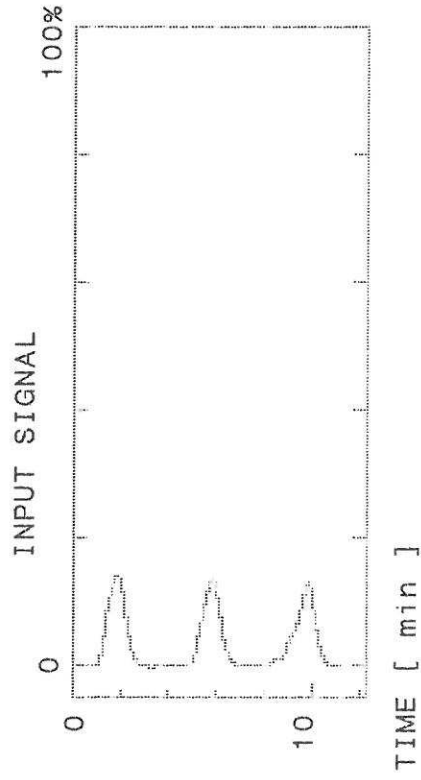
11588  
10-22-10

1340616-01  
10-21-10



SAMPLE# 6 NPOC VIAL: 6  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1 22246 8.831  
 2 22023 8.731  
 ---  
 MN 22134 8.781  
 SD 157 0.071  
 CV 0.71 %  
 COR CONC DIL 8.781 [x 1.0]  
 COR CONC INJ 8.781 [x 1.0]

DATE 08(AUG)-19-2013 10:21



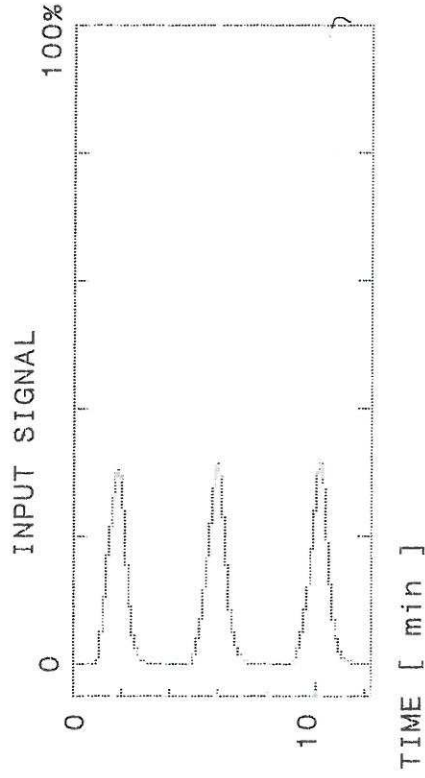
13110616-02  
 X100

✓

SAMPLE# 7 NPOC VIAL: 7  
 [x 5, 100ul, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# ul RG  
 1-13832 5.041  
 2 12780 4.567  
 3 13170 4.742  
 ---  
 MN 12975 4.654  
 SD 275 0.124  
 CV 2.12 %  
 COR CONC DIL 4.654 [x 1.0]  
 COR CONC INJ 4.654 [x 1.0]

13H 0910 H21  
10-07

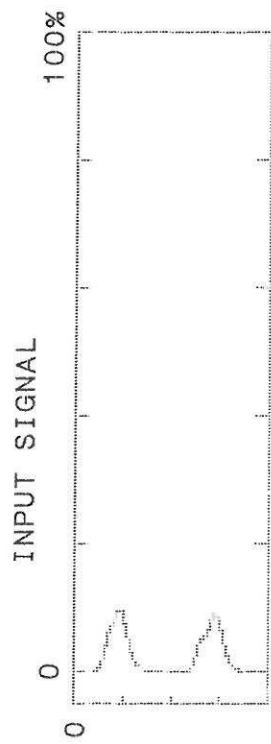
DATE 08(AUG)-19-2013 10:38



SAMPLE# 8 NPOC VIAL: 8  
 [x 5, 100ul, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# ul RG  
 1-28779 11.77  
 2 30300 12.45  
 3 30115 12.37  
 ---  
 MN 30207 12.41  
 SD 130 0.059  
 CV 0.43 %  
 COR CONC DIL 12.41 [x 1.0]  
 COR CONC INJ 12.41 [x 1.0]

13H 0910 H21  
10-07

DATE 08(AUG)-19-2013 10:52

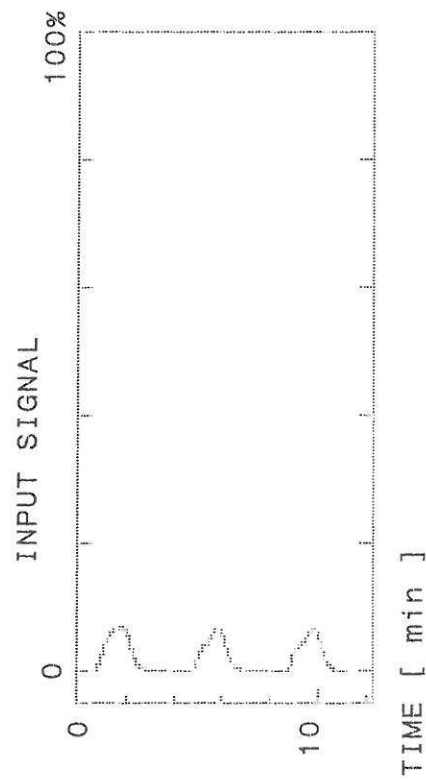


TIME [ min ]

SAMPLE# 9 NPOC VIAL: 9  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1 9240 2.972  
 2 9416 3.051

-----  
 MN 9328 3.011  
 SD 124 0.056  
 CV 1.33 %  
 COR CONC DIL 3.011 [x 1.0]  
 COR CONC INJ 3.011 [x 1.0]

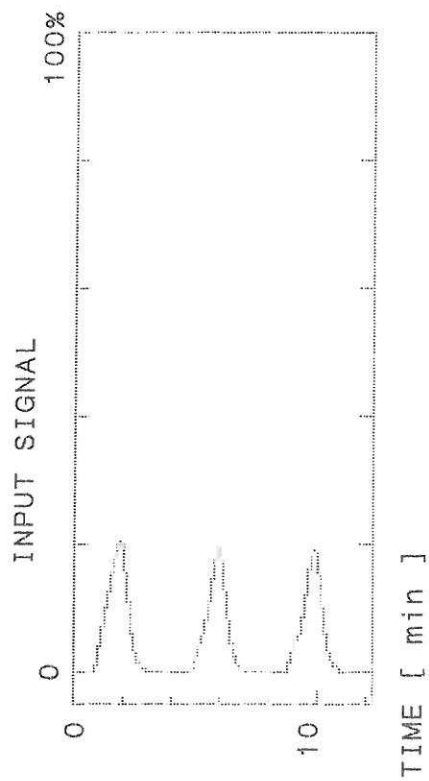
DATE 08(AUG)-19-2013 11:02



TIME [ min ]

13110490-08





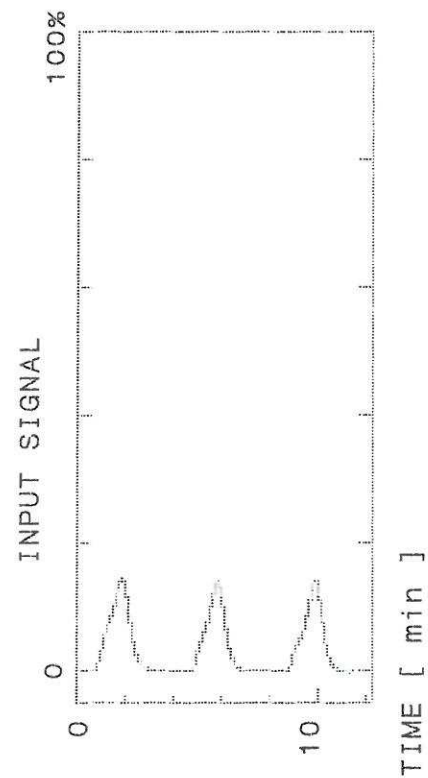
TIME [ min ]

SAMPLE# 12 NPOC VIAL: 12  
 [x 5, 100ul, C# 3, #WASH 2, SP 3min]

| # | AREA mg/l | C#    | μl | RG |
|---|-----------|-------|----|----|
| 1 | 21439     | 8.467 |    |    |
| 2 | 19072     | 7.401 |    |    |
| 3 | 18787     | 7.273 |    |    |

MN 18929 7.337  
 SD 201 0.090  
 CV 1.06 %  
 COR CONC DIL 7.337 [x 1.0]  
 COR CONC INJ 7.337 [x 1.0]

DATE 08(AUG)-19-2013 11:46

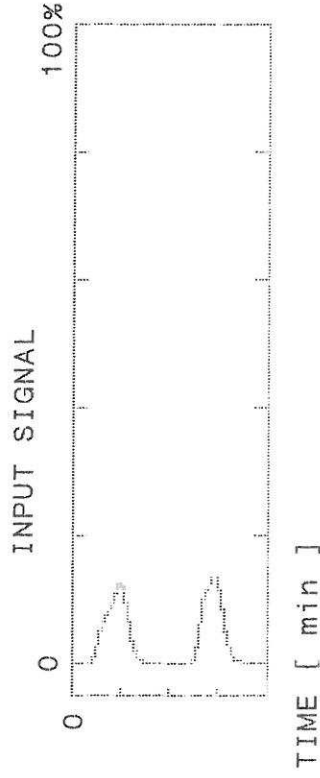


1340490-064043

✓

SAMPLE# 10 NPOC VIAL: 10  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1- 8540 2.656  
 2 7400 2.143  
 3 7620 2.242  
 -- -- -- -- --  
 MN 7510 2.192  
 SD 155 0.070  
 CV 2.07 %  
 COR CONC DIL 2.192 [x 1.0]  
 COR CONC INJ 2.192 [x 1.0]

DATE 08(AUG)-19-2013 11:19



SAMPLE# 11 NPOC VIAL: 11  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1 14329 5.264  
 2 14337 5.268  
 -- -- -- -- --  
 MN 14333 5.266  
 SD 5 0.002  
 CV 0.03 %  
 COR CONC DIL 5.266 [x 1.0]  
 COR CONC INJ 5.266 [x 1.0]

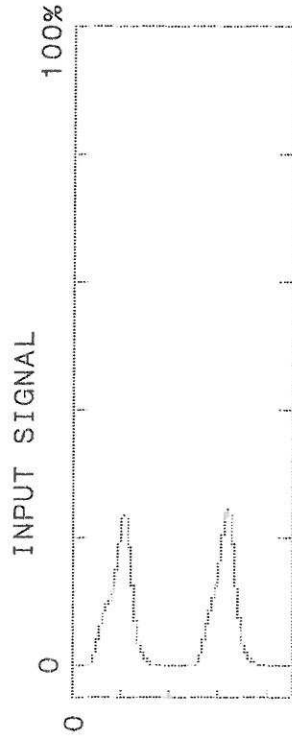
DATE 08(AUG)-19-2013 11:29

SAMPLE# 13 NPOC VIAL: 13  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

| # | AREA mg/l | C#    | µl | RG |
|---|-----------|-------|----|----|
| 1 | 15289     | 5.697 |    |    |
| 2 | 13753     | 5.005 |    |    |
| 3 | 13446     | 4.867 |    |    |

|              |       |         |
|--------------|-------|---------|
| MN           | 13599 | 4.936   |
| SD           | 217   | 0.097   |
| CV           | 1.59  | %       |
| COR CONC DIL | 4.936 | [x 1.0] |
| COR CONC INJ | 4.936 | [x 1.0] |

DATE 08(AUG)-19-2013 11:59



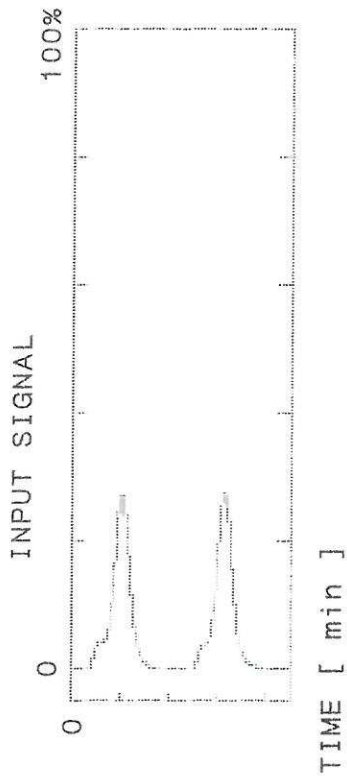
TIME [ min ]

SAMPLE# 14 NPOC VIAL: 14  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

| # | AREA mg/l | C#    | µl | RG |
|---|-----------|-------|----|----|
| 1 | 25854     | 10.45 |    |    |
| 2 | 25229     | 10.17 |    |    |

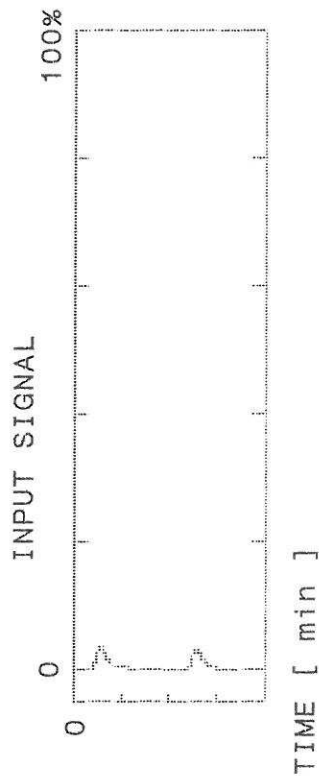
|              |       |         |
|--------------|-------|---------|
| MN           | 25541 | 10.31   |
| SD           | 441   | 0.199   |
| CV           | 1.73  | %       |
| COR CONC DIL | 10.31 | [x 1.0] |
| COR CONC INJ | 10.31 | [x 1.0] |

DATE 08(AUG)-19-2013 12:10



SAMPLE# 15 NPOC VIAL: 15  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1 24447 9.823  
 2 24278 9.746  
 ---  
 MN 24362 9.785  
 SD 119 0.053  
 CV 0.49 %  
 COR CONC DIL 9.785 [x 1.0]  
 COR CONC INJ 9.785 [x 1.0]

DATE 08(AUG)-19-2013 12:23



SAMPLE# 16 NPOC VIAL: 16  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1 2142 -0.22  
 2 1914 -0.32  
 ---  
 MN 2028 -0.27  
 SD 161 0.072  
 CV 7.94 %  
 COR CONC DIL -0.27 [x 1.0]  
 COR CONC INJ -0.27 [x 1.0]

DATE 08(AUG)-19-2013 12:36

# CALIBRATION CURVE FILE LIST

| F# | TYP | MAX-C    | P     | STD        | SIZE | RQ              | C | CELL |
|----|-----|----------|-------|------------|------|-----------------|---|------|
| 2  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 3  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 4  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 5  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 6  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 7  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 8  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 9  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 10 | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 11 | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| F# | SP  | W        | AREA  | SD         | CV   | DATE            |   |      |
| 2  | 3   | 2        | 43241 | 282        | 0.65 | 08(AUG)-14-2013 |   |      |
| 3  | 3   | 2        | 46922 | 261        | 0.55 | 08(AUG)-19-2013 |   |      |
| 4  | 3   | 2        | 44215 | 298        | 0.67 | 07(JUL)-25-2013 |   |      |
| 5  | 3   | 2        | 42830 | 749        | 1.75 | 07(JUL)-31-2013 |   |      |
| 6  | 3   | 2        | 35397 | 292        | 0.82 | 01(JAN)-03-2013 |   |      |
| 7  | 3   | 2        | 34578 | 446        | 1.29 | 01(JAN)-05-2013 |   |      |
| 8  | 3   | 2        | 33965 | 171        | 0.50 | 01(JAN)-12-2013 |   |      |
| 9  | 3   | 2        | 31172 | 561        | 1.80 | 06(JUN)-01-2012 |   |      |
| 10 | 3   | 2        | 19520 | 39         | 0.20 | 07(JUL)-11-2012 |   |      |
| 11 | 3   | 2        | 35393 | 0          | 0.00 | 02(FEB)-08-2013 |   |      |

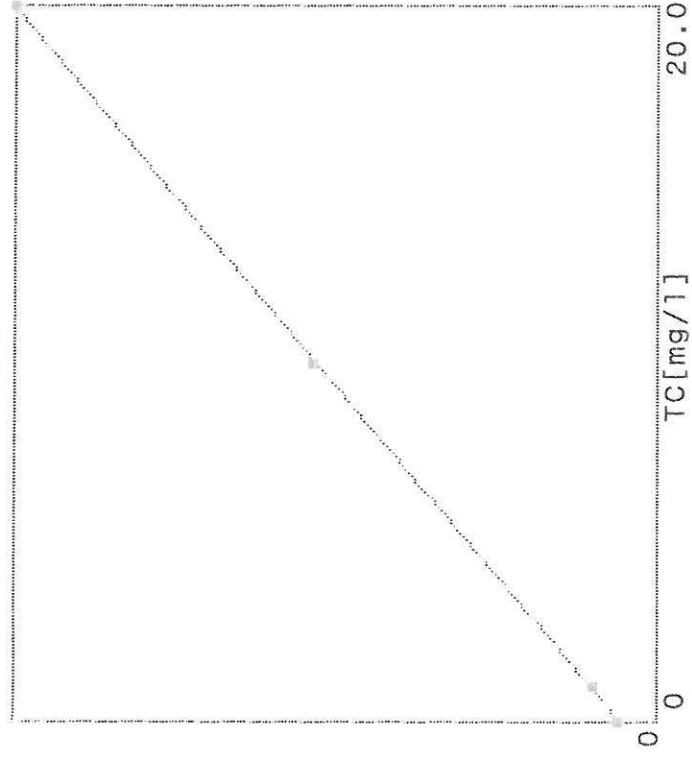
## TOC-5000 DATA REPORT

DATE 08(AUG)-19-2013 12:40

| SPL# | POC | RMK | NPOC,mg/l | RMK   | TOC |
|------|-----|-----|-----------|-------|-----|
| 1    |     |     | -0.37     | 3**** |     |
| 2    |     |     | 8.823     | 3**** |     |
| 3    |     |     | 9.234     | 3**** |     |
| 4    |     |     | 9.207     | 3**** |     |
| 5    |     |     | 9.508     | 3**** |     |
| 6    |     |     | 8.781     | 3**** |     |
| 7    |     |     | 4.654     | 3**** |     |
| 8    |     |     | 12.41     | 3**** |     |
| 9    |     |     | 3.011     | 3**** |     |
| 10   |     |     | 2.192     | 3**** |     |
| 11   |     |     | 5.266     | 3**** |     |
| 12   |     |     | 7.337     | 3**** |     |
| 13   |     |     | 4.936     | 3**** |     |
| 14   |     |     | 10.31     | 3**** |     |
| 15   |     |     | 9.785     | 3**** |     |
| 16   |     |     | -0.27     | 3**** |     |

ANALYST :  
SAMPLE :

46922



CAL CURVE F# 3

TC 4-POINT

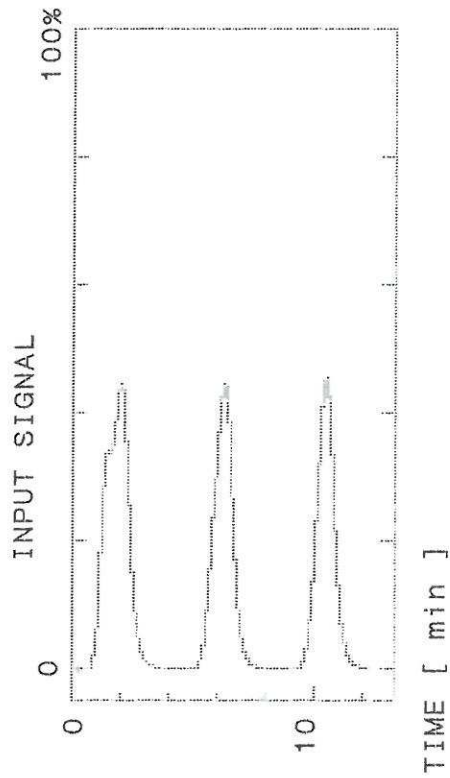
LEAST SQUARES  $r=1.000$

[CONDITIONS]

TC CATALYST : NORMAL SENS  
INJ VOL/SYRINGE SIZE: 100/2500 $\mu$ l  
RANGE : x5  
SPARGE TIME : 3min  
NO OF WASHES : 2  
DATE : 08(AUG)-19-2013

[DATA]

| STD CONC | AREA  | #INJ | SD  | CV    |
|----------|-------|------|-----|-------|
| 20.0mg/l | 46922 | 2    | 261 | 0.55% |
| 10.0mg/l | 25085 | 2    | 126 | 0.50% |
| 1.0mg/l  | 4662  | 2    | 114 | 2.45% |
| 0.0mg/l  | 2712  | 2    | 78  | 2.89% |



SAMPLE# 1 NPOC VIAL: 1  
 [x 5, 100ul, C# 3, #WASH 2, SP 3min]

# AREA mg/l C# ul RG

1-54436 23.33

2 44887 19.03

3 41941 17.70

-----

MN 43414 18.36

SD 2083 0.938

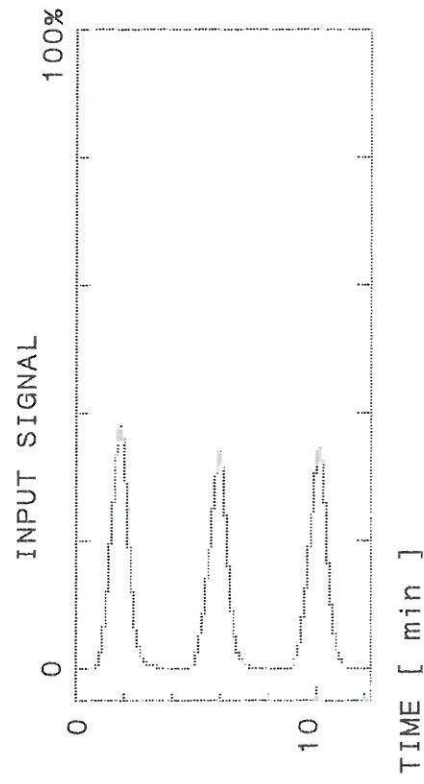
CV 4.79 %

COR CONC DIL 18.36 [x 1.0]

COR CONC INJ 18.36 [x 1.0]

10-10579-0

DATE 08(AUG)-19-2013 12:59



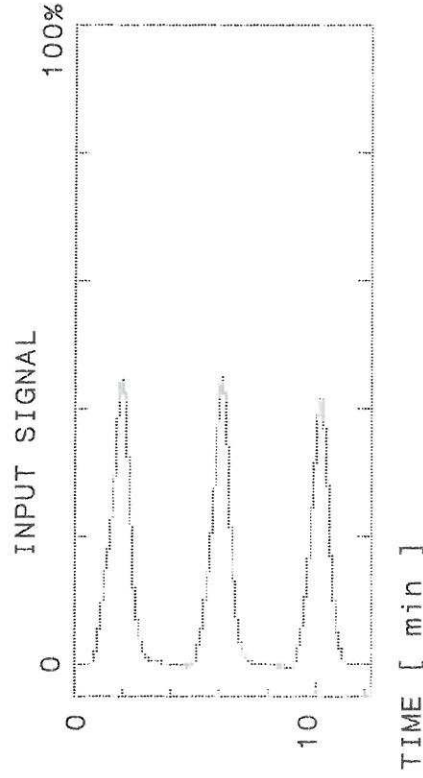


SAMPLE# 2 NPOC VIAL: 2  
[x 5, 100ul, C# 3, #WASH 2, SP 3min]

| # | AREA mg/l | C#    | ul | RG |
|---|-----------|-------|----|----|
| 1 | 35522     | 14.81 |    |    |
| 2 | 33296     | 13.80 |    |    |
| 3 | 33206     | 13.76 |    |    |

|              |       |         |
|--------------|-------|---------|
| MN           | 33251 | 13.78   |
| SD           | 63    | 0.028   |
| CV           | 0.19  | %       |
| COR CONC DIL | 13.78 | [x 1.0] |
| COR CONC INJ | 13.78 | [x 1.0] |

DATE 08(AUG)-19-2013 13:13



SAMPLE# 3 NPOC VIAL: 3  
[x 5, 100ul, C# 3, #WASH 2, SP 3min]

| # | AREA mg/l | C#    | ul | RG |
|---|-----------|-------|----|----|
| 1 | 43591     | 18.44 |    |    |
| 2 | 41720     | 17.60 |    |    |
| 3 | 39913     | 16.79 |    |    |

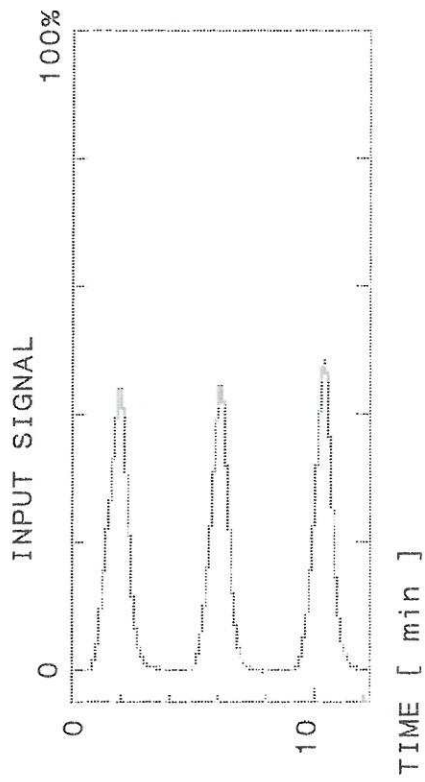
|              |       |         |
|--------------|-------|---------|
| MN           | 40816 | 17.19   |
| SD           | 1277  | 0.575   |
| CV           | 3.13  | %       |
| COR CONC DIL | 17.19 | [x 1.0] |
| COR CONC INJ | 17.19 | [x 1.0] |

DATE 08(AUG)-19-2013 13:27

131105269-02

131105269-02  
Wg  
08.21%  
Percentage Feeding  
in 01/11/13





SAMPLE# 4 NPOC VIAL: 4  
[x 5, 100ul, C# 3, #WASH 2, SP 3min]

# AREA mg/l C# ul RG

1 45088 19.12

2-42846 18.11

3 45419 19.27

-----

MN 45253 19.19

SD 234 0.105

CV 0.51 %

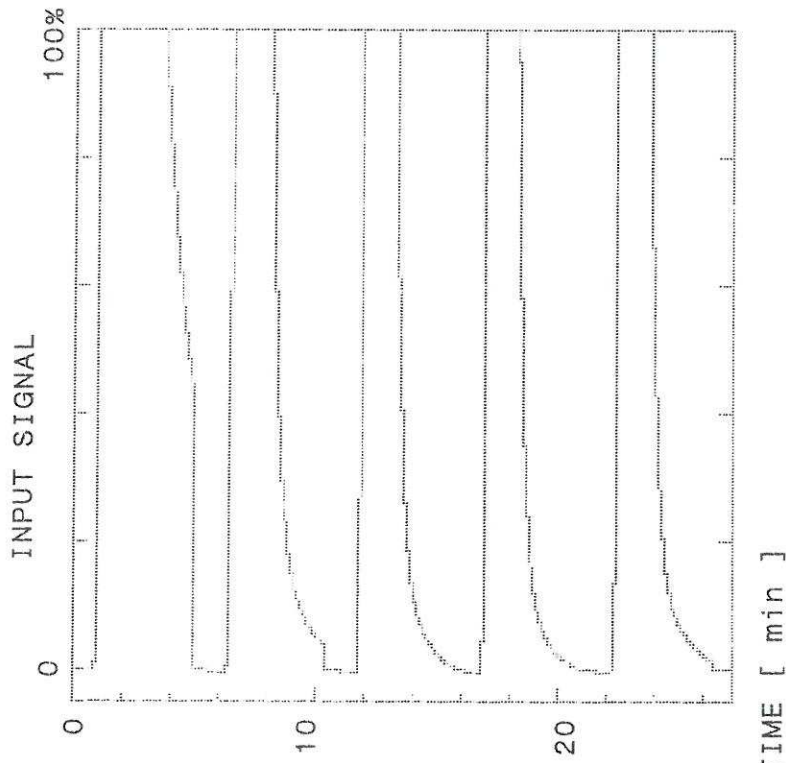
COR CONC DIL 19.19 [x 1.0]

COR CONC INJ 19.19 [x 1.0]

DATE 08(AUG)-19-2013 13:41

NG  
13H0539-02  
108.2 %

✓



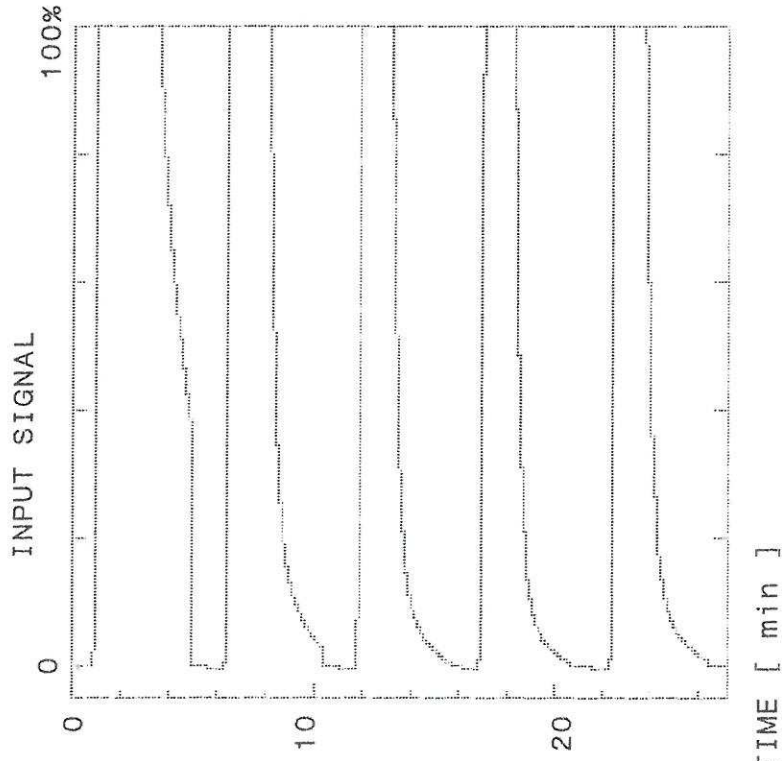
SAMPLE# 5 NPOC VIAL: 5  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]

| #       | AREA mg/l | C# | µl | RG   |
|---------|-----------|----|----|------|
| 1-99999 | 43.85TH   |    |    |      |
| 2-99999 | 269.1TH   |    |    | 30   |
| 3-99999 | 539.4TH   |    |    | 0050 |
| 4 99999 | 539.4TH   |    |    | 0050 |
| 5 99999 | 539.4TH   |    |    |      |

|              |               |  |  |  |
|--------------|---------------|--|--|--|
| MN 99999     | 539.4         |  |  |  |
| SD 0         | 0.000         |  |  |  |
| CV 0.00 %    |               |  |  |  |
| COR CONC DIL | 539.4 [x 1.0] |  |  |  |
| COR CONC INJ | 539.4 [x 1.0] |  |  |  |

DATE 08(AUG)-19-2013 14:11

[BH0542-01  
 Needs Duration

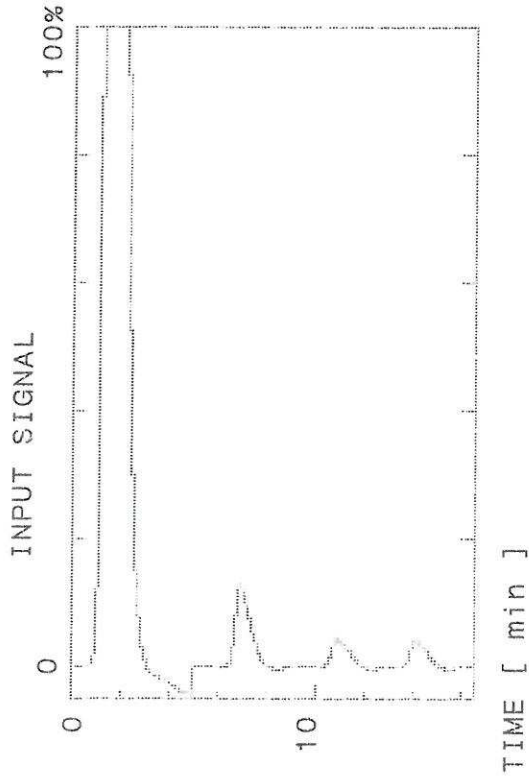


|         |         |       |          |          |
|---------|---------|-------|----------|----------|
| SAMPLE# | 6       | NPOC  | VIAL: 6  |          |
| [x 5,   | 100ul,  | C# 3, | #WASH 2, | SP 3min] |
| #       | AREA    | mg/l  | C#       | ul RG    |
| 1-99999 | 43.85TH |       |          |          |
| 2-99999 | 269.1TH |       |          | 30       |
| 3-99999 | 539.4TH |       |          | 0050     |
| 4 99999 | 539.4TH |       |          | 0050     |
| 5 99999 | 539.4TH |       |          |          |
| -       | -       | -     | -        | -        |
| MN      | 99999   | 539.4 |          |          |
| SD      | 0       | 0.000 |          |          |
| CV      | 0.00    | %     |          |          |
| COR     | CONC    | DIL   | 539.4    | [x 1.0]  |
| COR     | CONC    | INJ   | 539.4    | [x 1.0]  |

13H0542-02

Needs Dilution

DATE 08(AUG)-19-2013 14:44



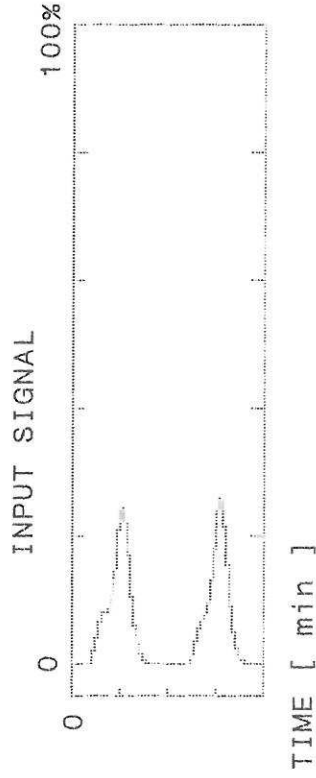
SAMPLE# 7 NPOC VIAL: 7  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# µl RG  
 1-99999 43.85 H  
 2-10101 26.11 30  
 3 4243 10.27  
 4 3851 9.218

13H 0609-01

redoing do to possible  
 contamination from prior  
 sample

DATE 08(AUG)-19-2013 15:06

MN 4047 9.748  
 SD 277 0.749  
 CV 6.84 %  
 COR CONC DIL 9.748 [x 1.0]  
 COR CONC INJ 9.748 [x 1.0]

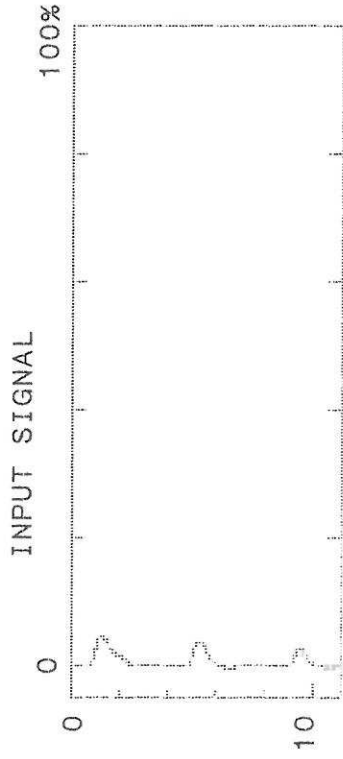


SAMPLE# 8 NPOC VIAL: 8  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

| # | AREA mg/l | C#    | µl | RG |
|---|-----------|-------|----|----|
| 1 | 24838     | 9.999 |    |    |
| 2 | 24540     | 9.864 |    |    |

|              |       |         |
|--------------|-------|---------|
| MN           | 24689 | 9.932   |
| SD           | 210   | 0.095   |
| CV           | 0.85  | %       |
| COR CONC DIL | 9.932 | [x 1.0] |
| COR CONC INJ | 9.932 | [x 1.0] |

DATE 08(AUG)-19-2013 15:16



TIME [ min ]

SAMPLE# 9 NPOC VIAL: 9  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

| #  | AREA mg/l | C#    | µl | RG |
|----|-----------|-------|----|----|
| 1  | 4126      | 0.668 |    |    |
| 2  | 2992      | 0.157 |    |    |
| 3- | 1718      | -0.41 |    |    |

|              |       |         |
|--------------|-------|---------|
| MN           | 3559  | 0.413   |
| SD           | 801   | 0.361   |
| CV           | 22.5  | %       |
| COR CONC DIL | 0.413 | [x 1.0] |
| COR CONC INJ | 0.413 | [x 1.0] |

DATE 08(AUG)-19-2013 15:32

# CALIBRATION CURVE FILE LIST

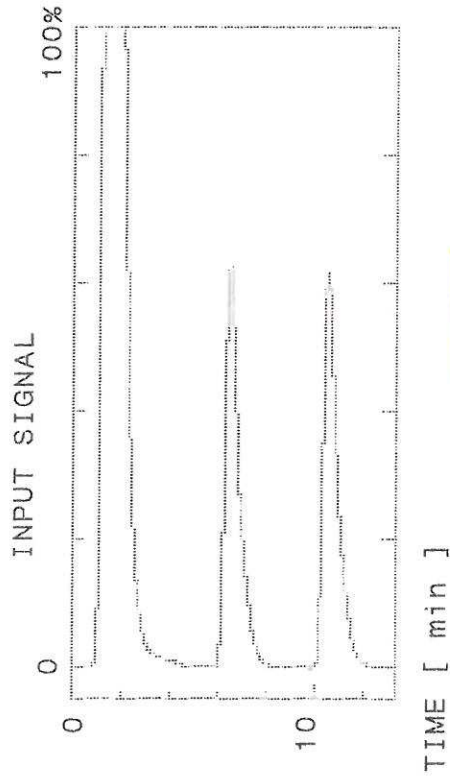
| F# | TYP | MAX-C    | P     | STD SIZE   | RG   | C               | CELL |
|----|-----|----------|-------|------------|------|-----------------|------|
| 2  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 3  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 4  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 5  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 6  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 7  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 8  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 9  | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 10 | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| 11 | TC  | 20.0mg/l | 4     | 100/2500μl | 5    | N               |      |
| F# | SP  | W        | AREA  | SD         | CV   | DATE            |      |
| 2  | 3   | 2        | 43241 | 282        | 0.65 | 08(AUG)-14-2013 |      |
| 3  | 3   | 2        | 46922 | 261        | 0.55 | 08(AUG)-19-2013 |      |
| 4  | 3   | 2        | 44215 | 298        | 0.67 | 07(JUL)-25-2013 |      |
| 5  | 3   | 2        | 42830 | 749        | 1.75 | 07(JUL)-31-2013 |      |
| 6  | 3   | 2        | 35397 | 292        | 0.82 | 01(JAN)-03-2013 |      |
| 7  | 3   | 2        | 34578 | 446        | 1.29 | 01(JAN)-05-2013 |      |
| 8  | 3   | 2        | 33965 | 171        | 0.50 | 01(JAN)-12-2013 |      |
| 9  | 3   | 2        | 31172 | 561        | 1.80 | 06(JUN)-01-2012 |      |
| 10 | 3   | 2        | 19520 | 39         | 0.20 | 07(JUL)-11-2012 |      |
| 11 | 3   | 2        | 35393 | 0          | 0.00 | 02(FEB)-08-2013 |      |

## TOC-5000 DATA REPORT

DATE 08(AUG)-19-2013 15:35

| SPL# | POC | RMK | NPOC,mg/l | RMK   | TOC |
|------|-----|-----|-----------|-------|-----|
| 1    |     |     | 18.36     | 3**** |     |
| 2    |     |     | 13.78     | 3**** |     |
| 3    |     |     | 17.19     | 3**** |     |
| 4    |     |     | 19.19     | 3**** |     |
| 5    |     |     | 539.4     | 3RW** |     |
| 6    |     |     | 539.4     | 3RW** |     |
| 7    |     |     | 9.748     | 3RH** |     |
| 8    |     |     | 9.932     | 3**** |     |
| 9    |     |     | 0.413     | 3**** |     |

ANALYST :  
SAMPLE :

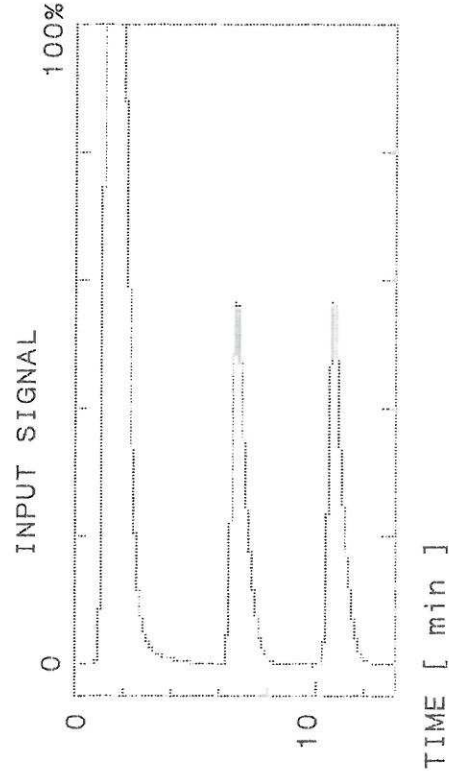


SAMPLE# 1 NPOC VIAL: 1  
 [x 5, 100µl, C# 3, #WASH 2, SP 3min]

| #       | AREA mg/l | C#    | µl | RG |
|---------|-----------|-------|----|----|
| 1-99999 | 43.85     | H     |    |    |
| 2       | 45358     | 121.4 |    | 30 |
| 3       | 45424     | 121.5 |    |    |

|              |       |         |
|--------------|-------|---------|
| MN           | 45391 | 121.5   |
| SD           | 46    | 0.126   |
| CV           | 0.10  | %       |
| COR CONC DIL | 121.5 | [x 1.0] |
| COR CONC INJ | 121.5 | [x 1.0] |

DATE 08(AUG)-19-2013 15:55



1314 05412-01  
 Xico  
 Needs  
 Direction



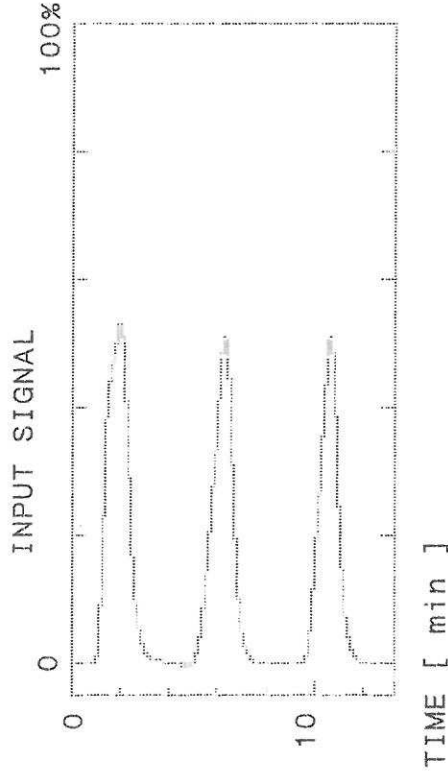
SAMPLE# 2 NPOC VIAL: 2  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

| #       | AREA mg/l | C# | µl | RG |
|---------|-----------|----|----|----|
| 1-99999 | 43.85     | H  |    |    |
| 2 41015 | 109.6     |    |    | 30 |
| 3 40653 | 108.6     |    |    |    |

MN 40834 109.1  
SD 255 0.692  
CV 0.62 %

COR CONC DIL 109.1 [x 1.0]  
COR CONC INJ 109.1 [x 1.0]

DATE 08(AUG)-19-2013 16:13



SAMPLE# 3 NPOC VIAL: 3  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

| #       | AREA mg/l | C# | µl | RG |
|---------|-----------|----|----|----|
| 1-60789 | 26.19     |    |    |    |
| 2 53060 | 22.71     |    |    |    |
| 3 48849 | 20.81     |    |    |    |

MN 50954 21.76  
SD 2977 1.341  
CV 5.84 %

COR CONC DIL 21.76 [x 1.0]  
COR CONC INJ 21.76 [x 1.0]

DATE 08(AUG)-19-2013 16:31

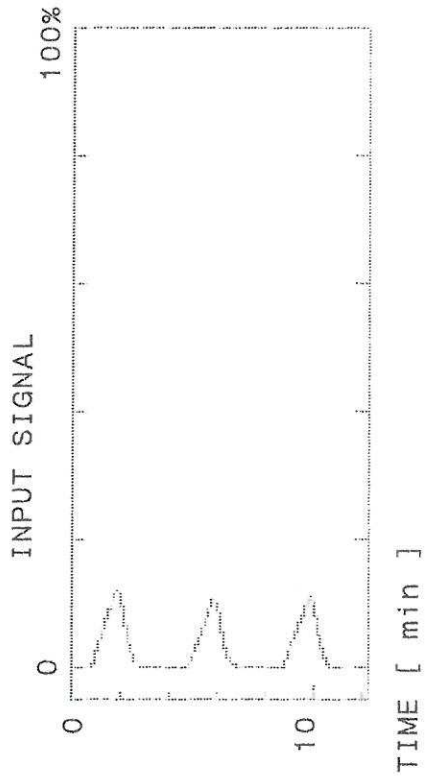
13H 0542 -02  
x 100  
Needs  
Dilution

MS

13H 0569 -01

Possible contamination





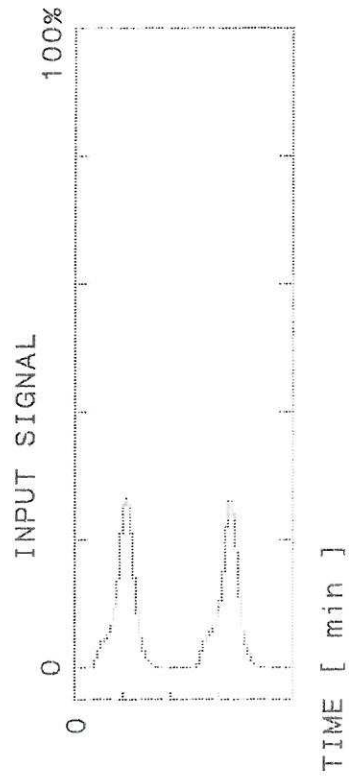
SAMPLE# 4 NPOC VIAL: 4  
 [x 5, 100ul, C# 3, #WASH 2, SP 3min]  
 # AREA mg/l C# ul RG

1-12797 4.574  
 2 11054 3.789  
 3 11490 3.985

---  
 MN 11272 3.887  
 SD 308 0.138  
 CV 2.73 %  
 COR CONC DIL 3.887 [x 1.0]  
 COR CONC INJ 3.887 [x 1.0]

1310609-01

DATE 08(AUG)-19-2013 16:44



SAMPLE# 5 NPOC VIAL: 5  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

# AREA mg/l C# µl RG

1 25110 10.12

2 25017 10.07

--- -- -- -- --

MN 25063 10.10

SD 65 0.029

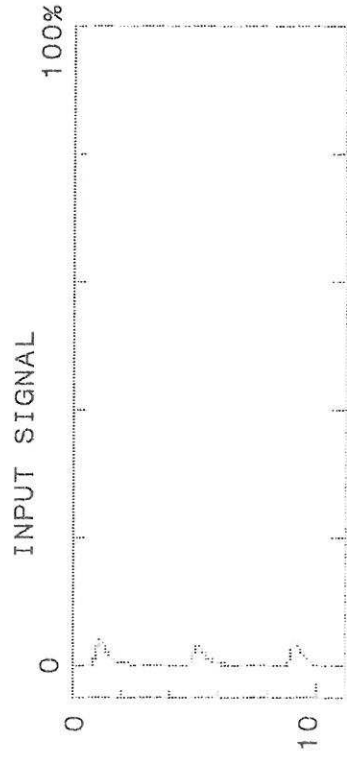
CV 0.26 %

COR CONC DIL 10.10 [x 1.0]

COR CONC INJ 10.10 [x 1.0]

DATE 08(AUG)-19-2013 16:55

101% CV



TIME [ min ]

SAMPLE# 6 NPOC VIAL: 6  
[x 5, 100µl, C# 3, #WASH 2, SP 3min]

# AREA mg/l C# µl RG

1- 2754 0.050

2 2159 -0.21

3 2061 -0.26

--- -- -- -- --

MN 2110 -0.23

SD 69 0.031

CV 3.28 %

COR CONC DIL -0.23 [x 1.0]

COR CONC INJ -0.23 [x 1.0]

DATE 08(AUG)-19-2013 17:10

CV

# CALIBRATION CURVE FILE LIST

| F# | TYP | MAX-C    | P     | STD        | SIZE | RG              | C | CELL |
|----|-----|----------|-------|------------|------|-----------------|---|------|
| 2  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 3  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 4  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 5  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 6  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 7  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 8  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 9  | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 10 | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| 11 | TC  | 20.0mg/l | 4     | 100/2500μl |      | 5               | N |      |
| F# | SP  | W        | AREA  | SD         | CV   | DATE            |   |      |
| 2  | 3   | 2        | 43241 | 282        | 0.65 | 08(AUG)-14-2013 |   |      |
| 3  | 3   | 2        | 46922 | 261        | 0.55 | 08(AUG)-19-2013 |   |      |
| 4  | 3   | 2        | 44215 | 298        | 0.67 | 07(JUL)-25-2013 |   |      |
| 5  | 3   | 2        | 42830 | 749        | 1.75 | 07(JUL)-31-2013 |   |      |
| 6  | 3   | 2        | 35397 | 292        | 0.82 | 01(JAN)-03-2013 |   |      |
| 7  | 3   | 2        | 34578 | 446        | 1.29 | 01(JAN)-05-2013 |   |      |
| 8  | 3   | 2        | 33965 | 171        | 0.50 | 01(JAN)-12-2013 |   |      |
| 9  | 3   | 2        | 31172 | 561        | 1.80 | 06(JUN)-01-2012 |   |      |
| 10 | 3   | 2        | 19520 | 39         | 0.20 | 07(JUL)-11-2012 |   |      |
| 11 | 3   | 2        | 35393 | 0          | 0.00 | 02(FEB)-08-2013 |   |      |

## TOC-5000 DATA REPORT

DATE 08(AUG)-19-2013 17:14

| SPL# | POC | RMK | NPOC,mg/l | RMK    | TOC |
|------|-----|-----|-----------|--------|-----|
| 1    |     |     | 121.5     | 3RH**  |     |
| 2    |     |     | 109.1     | 3RH**  |     |
| 3    |     |     | 21.76     | 3***** |     |
| 4    |     |     | 3.887     | 3***** |     |
| 5    |     |     | 10.10     | 3***** |     |
| 6    |     |     | -0.23     | 3***** |     |

ANALYST :  
SAMPLE :

## PREPARATION BENCH SHEET

312

B079053

Con-Test Analytical Laboratory

Printed: 8/19/2013 8:45:52PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis             | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|----------------------|----------------|--------------|------------|----------|-----------|----------|--------------|----------------------|---------------------|
| 13H0569-01   | Sulfide by SM4500S-E | 08/19/13 16:16 | 100          | 100        |          |           |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-02   | Sulfide by SM4500S-E | 08/19/13 16:16 | 100          | 100        |          |           |          |              | CDM Smith, Inc. - NY |                     |
| 13H0599-04   | Sulfide by SM4500S-E | 08/19/13 16:16 | 100          | 100        |          |           |          |              |                      |                     |
| B079053-BLK1 | QC                   | 08/19/13 16:16 | 100          | 100        |          |           |          |              |                      |                     |
| B079053-BS1  | QC                   | 08/19/13 16:16 | 100          | 100        | 1212095  |           | 100000   |              |                      |                     |

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

5 ml  $\pm$  for all samples  
 20 ml  $\pm$  for LGS  
 Analysis: RX 52  $\pm$  S2 Method #: 73329030A, 5m45005-E Date/Analyst: DJA 4/19/13 020  
 QC Reference sample: 10354-311 True Value: 17.9 ug/L Range: (15.2-16 - 146%) Titrant Normality/Date\*: 0.025N  
 \*Date Standardized 8/19/13  
RR-0513-COS

| Sample Id#      | buret mls<br>final - initial - Blk | mls<br>used | Calculation / Final Concentrations                          | Client's / Comment      |
|-----------------|------------------------------------|-------------|-------------------------------------------------------------|-------------------------|
| Blank           | 5.0 - 0                            | 5.0         | $(1200 - 1250) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| Standard        |                                    |             |                                                             |                         |
| QC Reference    | 22.1 - 5.0 $\pm$ 0.1               | 17.1        | $(415.3 \pm 0.1) - (415.3 \pm 0.1) / (6000) / 100 = 54.4\%$ |                         |
| 13H0450-03      | 4.8 - 0                            | 4.8         | $(1200 - 1250) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.469$                             | $= 19.95 \text{ mg/kg}$ |
| -05             | 5.0 - 0                            | 5.0         | $(1200 - 1250) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.587$                             | $= 19.95 \text{ mg/kg}$ |
| -06             | 4.9 - 0                            | 4.9         | $(1200 - 1225) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.527$                             | $= 19.77 \text{ mg/kg}$ |
| 13H0553-01      | 4.8 - 0                            | 4.8         | $(1200 - 1200) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.527$                             | $= 19.96 \text{ mg/kg}$ |
| 13H0584-01      | 5.2 - 0                            | 5.2         | $(1200 - 1300) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.620$                             | $= 19.87 \text{ mg/kg}$ |
| Dup. 13H0589-01 | 5.0 - 0                            | 5.0         | $(1200 - 1250) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| MS              |                                    |             | $(7.2) / (250) / 0.025 = 12.56$                             | $= 19.90 \text{ mg/kg}$ |
| Cal. ck (std.)  |                                    |             |                                                             | True Value:             |
| 13H0540-01      | 4.6 - 0                            | 4.6         | $(1200 - 1150) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 1.378$                             | $= 19.89 \text{ mg/kg}$ |
| 13H0546-02      | 4.7 - 0                            | 4.7         | $(1200 - 1175) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.282$                             | $= 19.88 \text{ mg/kg}$ |
| 13H0605-01      | 4.8 - 0                            | 4.8         | $(1200 - 1200) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.021$                             | $= 20.00 \text{ mg/kg}$ |
| 03              | 4.9 - 0                            | 4.9         | $(1200 - 1225) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 2.691$                             | $= 19.79 \text{ mg/kg}$ |
| 13H0609-01      | 5.0 - 0                            | 5.0         | $(1200 - 1250) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| 1               |                                    |             | $(7.2) / (250) / 0.025 = 0.799$                             | $= 19.94 \text{ mg/kg}$ |
| Dup.            | 4.8 - 0                            | 4.8         | $(1200 - 1200) / (6000) / 100 = 7.2 \text{ mg/L}$           |                         |
| MS              |                                    |             | $(7.2) / (250) / 0.025 = 0.921$                             | $= 19.93 \text{ mg/kg}$ |
| Cal. ck (std.)  |                                    |             |                                                             | True Value:             |

| Sample Id# | 1st Result | 2nd Result | RPD | Sample Id# | Spiked Sample | Spike Added | % Recovery |
|------------|------------|------------|-----|------------|---------------|-------------|------------|
|            |            |            |     |            |               |             |            |
|            |            |            |     |            |               |             |            |

Analysis: AYSC/52 Method #: 54950052

Date/Analyst: DM 9/19/13

QC Reference sample: --- True Value: --- Range: --- ) Titrant Normality/Date\*: .025 N

| Sample Id#    | buret mls<br>final - initial - Blk | mls<br>used | [<br>Calculation / Final Concentrations          | ]      | Clients / Comments                     |
|---------------|------------------------------------|-------------|--------------------------------------------------|--------|----------------------------------------|
| Blank         |                                    |             |                                                  |        |                                        |
| Standard      |                                    |             |                                                  |        |                                        |
| QC Reference  |                                    |             |                                                  |        |                                        |
| 13H6569-01    | 5.0-0                              | 5.0         | $(12.00 - 12.50)(16000)/100 = 72 \text{ mg/L}$   | ✓      |                                        |
| 1 - 02        | 4.7-0                              | 4.7         | $(12.00 - 11.75)(16000)/100 = 72 \text{ mg/L}$   | ✓      |                                        |
| 13H10599-04   | 4.5-0                              | 4.5         | $(12.00 - 11.25)(16000)/100 = 72 \text{ mg/L}$   | ✓ (2x) | ✓ 74 mg/L (Color 0.14 H <sub>2</sub> ) |
| LCS Dup       | 16.7-0                             | 16.7        | $(44.00 - 4.175)(16000)/100 = 10.0 \text{ mg/L}$ |        | 67.1% ✓                                |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             | Analyst CD 4:14 PM                               |        |                                        |
|               |                                    | 0.1M        | WC41-014                                         |        |                                        |
|               |                                    | 0.25M       | WC41-019                                         |        |                                        |
|               |                                    |             | Iodine - WC41-056                                |        |                                        |
|               |                                    | 6N          | Hol - WC40-366                                   |        |                                        |
| Dup.          |                                    |             | Thyodene - AR5-426                               |        |                                        |
| MS            |                                    |             | Ependorf = 411 5756                              |        |                                        |
| Cal.ck (std.) |                                    |             |                                                  |        | True Value:                            |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
|               |                                    |             |                                                  |        |                                        |
| Dup.          |                                    |             |                                                  |        |                                        |
| MS            |                                    |             |                                                  |        |                                        |
| Cal.ck (std.) |                                    |             |                                                  |        | True Value:                            |

| Sample Id# | 1st Result | 2nd Result | RPD | Sample Id# | Spiked Sample | Spike Added | % Recovery |
|------------|------------|------------|-----|------------|---------------|-------------|------------|
|            |            |            |     |            |               |             | 314        |
|            |            |            |     |            |               |             |            |
|            |            |            |     |            |               |             |            |



## PREPARATION BENCH SHEET

315

B079056

Con-Test Analytical Laboratory

Printed: 8/26/2013 3:44:04PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis             | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|----------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0490-01   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-02   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-03   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-04   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-07   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-08   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-01   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-02   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0613-01   | Chloride by SM4500 C | 08/21/13 13:10 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| B079056-BLK1 | QC                   | 08/21/13 13:10 | 100          | 100        |          |            |          |              |                      |                     |
| B079056-BS1  | QC                   | 08/21/13 13:10 | 100          | 100        | 1308057  |            | 1        |              |                      |                     |
| B079056-BSD1 | QC                   | 08/21/13 13:10 | 100          | 100        | 1308057  |            | 1        |              |                      |                     |
| B079056-MS1  | QC                   | 08/21/13 13:10 | 100          | 100        | 1212178  | 13H0569-02 | 5000     |              |                      |                     |
| B079056-MSD1 | QC                   | 08/21/13 13:10 | 100          | 100        | 1212178  | 13H0569-02 | 5000     |              |                      |                     |

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

~~1:10PM~~ (WC40-378) Titrant  
Date/Analyst: 8/21/13 vak 005  
Titrant Normality/Date\*: 0.0138N/8-1-15

### Analysis:

Method #: JM450700-B

Date/Analyst: 8/21/13 iak

600

QC Reference sample: 1308057 True Value: 12.96ug/L Range: ( 84.4 - 115% ) Titrant Normality/Date\*: 0.0138N / 8-11-11

[illegible]



## PREPARATION BENCH SHEET

317

B079065

Con-Test Analytical Laboratory

Printed: 8/19/2013 2:41:32PM

Matrix: Water

Prepared using: WET CHEMISTRY - SM 4500 NO3-F

(No Surrogate)

| Lab Number   | Analysis               | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|------------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0490-01   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-02   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-03   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-04   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-07   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-08   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0503-01   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | [REDACTED]           |                     |
| 13H0553-06   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | [REDACTED]           |                     |
| 13H0569-01   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-02   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0609-01   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | [REDACTED]           |                     |
| 13H0624-02   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | [REDACTED]           |                     |
| 13H0674-02   | Nitrate-Nitrogen (NO3) | 08/19/13 09:58 | 25           | 25         |          |            |          |              | [REDACTED]           |                     |
| B079065-BLK1 | QC                     | 08/19/13 09:58 | 25           | 25         |          |            |          |              |                      |                     |
| B079065-BS1  | QC                     | 08/19/13 09:58 | 25           | 25         | 1304073  |            | 1        |              |                      |                     |
| B079065-BSD1 | QC                     | 08/19/13 09:58 | 25           | 25         | 1304073  |            | 1        |              |                      |                     |
| B079065-MS1  | QC                     | 08/19/13 09:58 | 25           | 25         | 1304078  | 13H0569-02 | 1000     |              |                      |                     |
| B079065-MSD1 | QC                     | 08/19/13 09:58 | 25           | 25         | 1304078  | 13H0569-02 | 1000     |              |                      |                     |

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date

Creator: Lachat Instruments

Creation Date: 6/22/2011 12:32:36 PM

Last Modified: 6/22/2011 12:32:53 PM

Description: 9:58 AM

5079065

P. 1042

NO<sub>3</sub>/NO<sub>2</sub> 8-19-13/VAX

Lachat 10-107-04-1-A

2.14 p.13

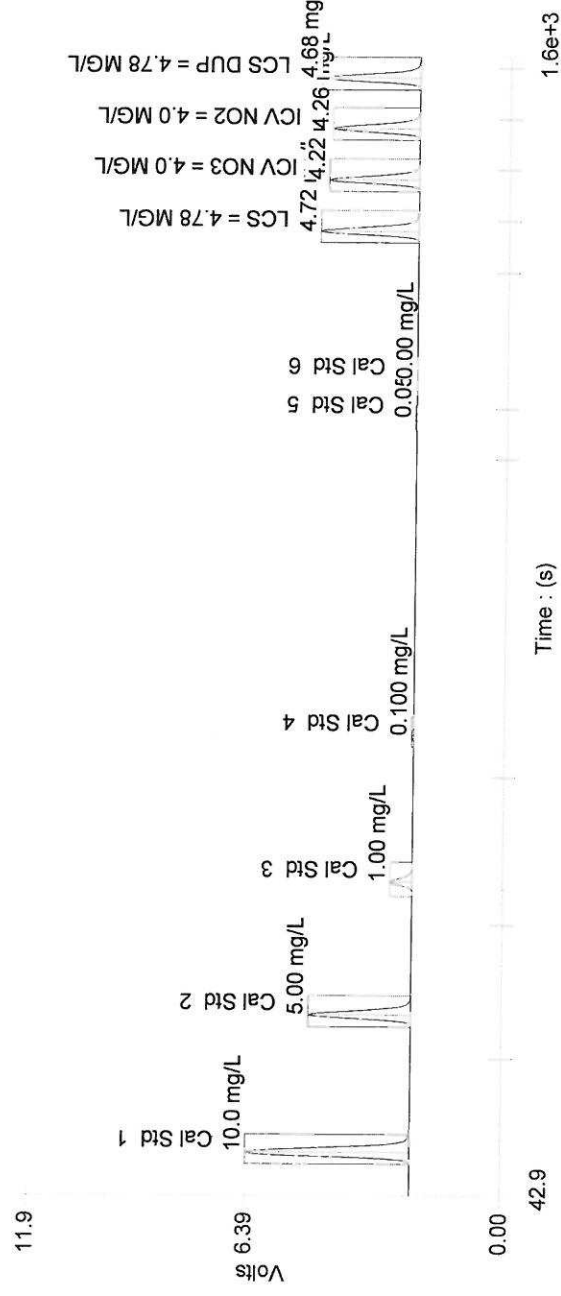
| Cup | Sample ID                      | MDF | Weight | Sample Type          | Comments                |
|-----|--------------------------------|-----|--------|----------------------|-------------------------|
| S1  | Cal Std 1                      |     |        | Calibration Standard |                         |
| S1  | Cal Std 2                      |     |        | Calibration Standard |                         |
| S1  | Cal Std 3                      |     |        | Calibration Standard |                         |
| S1  | Cal Std 4                      |     |        | Calibration Standard |                         |
| S1  | Cal Std 5                      |     |        | Calibration Standard |                         |
| S2  | Cal Std 6                      |     |        | Calibration Standard |                         |
| S3  | LCS = 4.78 MG/L                |     |        | Check Standard       | 4.72 (99%)              |
| S4  | ICV NO <sub>3</sub> = 4.0 MG/L |     |        | Check Standard       | 4.22 (106%)             |
| S5  | ICV NO <sub>2</sub> = 4.0 MG/L |     |        | Check Standard       | 4.26 (107%)             |
| S3  | LCS DUP = 4.78 MG/L            |     |        | Check Standard       | 4.68 (98%)              |
| 1   | 13H0490-01                     |     |        | Unknown              | [0.189 - 0.371] = 0     |
| 2   | 13H0490-02                     |     |        | Unknown              | 0.0133                  |
| 3   | 13H0490-03                     |     |        | Unknown              | 0.0105                  |
| 4   | 13H0490-04                     |     |        | Unknown              | [0 - 0.020] = 0         |
| 5   | 13H0490-07                     |     |        | Unknown              | 0.00267                 |
| 6   | BLANK (method)                 |     |        | Unknown              | 0.00504 (4.05)          |
| 7   | 13H0490-08                     |     |        | Unknown              | 1.54                    |
| 8   | 13H0503-01                     |     |        | Unknown              | [0.541 - 0.015] = 0.526 |
| 9   | 13H0518-01                     |     |        | Unknown              | 0.0485                  |
| 10  | 13H0553-06                     |     |        | Unknown              | [0.204 - 0.164] = 0.040 |
| S1  | CCV = 5.0 MG/L                 |     |        | Check Standard       | 4.91 mg/L (98%)         |
| 11  | 13H0569-01                     |     |        | Unknown              | 0                       |
| 12  | BLANK                          |     |        | Unknown              | 0                       |
| 13  | 13H0569-02                     |     |        | Unknown              | 0.0111                  |
| 14  | 13H0569-02 MS=4.0 MG/L         |     |        | Unknown              | 4.06 mg/L (102%)        |
| 15  | 13H0569-02 MSD=4.0 MG/L        |     |        | Unknown              | 3.90 mg/L (98%)         |
| 16  | 13H0609-01                     |     |        | Unknown              | [4.09 - 0.126] = 3.964  |
| 17  | 13H0624-02                     |     |        | Unknown              | [0.0224 - 0.030] = 0    |
| 18  | BLANK                          |     |        | Unknown              | 0                       |
| 19  | 13H0627-01                     |     |        | Unknown              | 0.0562                  |
| 20  | 13H0630-01                     |     |        | Unknown              | 1.90                    |
| S1  | CCV = 5.0 MG/L                 |     |        | Check Standard       | 5.05 mg/L (101%)        |
| 21  | 13H0630-01 DUP                 |     |        | Unknown              | 1.94                    |
| 22  | 13H0630-01 MS=4.0 MG/L         |     |        | Unknown              | 6.18 mg/L (101%)        |
| 23  | 13H0674-02                     |     |        | Unknown              | [1.59 - 0.250] = 1.34   |
| 24  | BLANK                          |     |        | Unknown              | 0                       |
| 25  | 13H0680-01                     |     |        | Unknown              | 0.104                   |
| S1  | CCV = 5.0 MG/L                 |     |        | Check Standard       | 4.80 mg/L (96%)         |

| Analyte Table |  | NOX    |
|---------------|--|--------|
|               |  | (mg/L) |
| Cal Std 1     |  | 10.0   |
| Cal Std 6     |  | 0.00   |

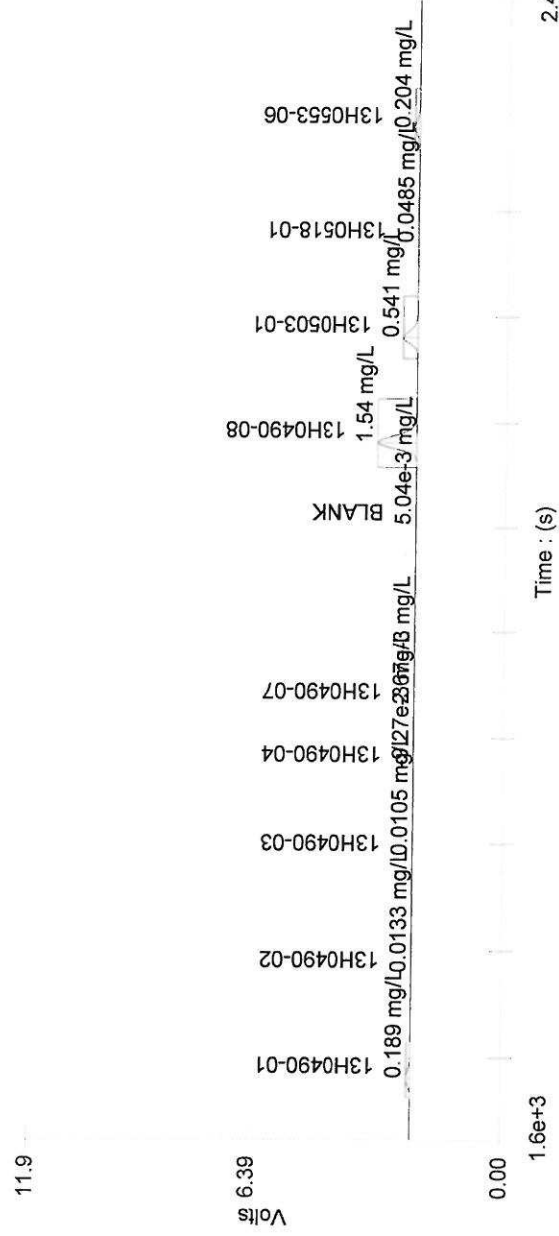
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 Original Run Author's Signature: [Lachat Instruments]  
 Current Run Filename: OM\_8-19-2013\_08-49-38AM.OMN Last Modified: 8/19/2013 9:58:12 AM  
 Current Run Author's Signature: [Lachat Instruments]  
 Description: LACHAT 10-107-04-1-A

| Sample                                    | Rep. | Cup No. | Channel 1           |               |               | ADF      |        |
|-------------------------------------------|------|---------|---------------------|---------------|---------------|----------|--------|
|                                           |      |         | NOX<br>Conc. (mg/L) | Area<br>(V.s) | Height<br>(V) |          |        |
| Cal Std 1                                 | 1    | S1      |                     | 10.0          | 56.0          | 4.11     |        |
| Cal Std 2                                 | 1    | S1      |                     | 5.00          | 31.2          | 2.56     | 2.00   |
| Cal Std 3                                 | 1    | S1      |                     | 1.00          | 6.40          | 0.551    | 10.00  |
| Cal Std 4                                 | 1    | S1      |                     | 0.100         | 0.662         | 0.0555   | 100.00 |
| Cal Std 5                                 | 1    | S1      |                     | 0.0500        | 0.335         | 0.0283   | 200.00 |
| Cal Std 6                                 | 1    | S2      |                     | 0.00          | 7.93e-3       | 1.49e-3  |        |
| DQM Test: Minimum Correlation Coefficient |      |         |                     |               |               |          |        |
| Result: 1.00000 > 0.99700                 |      |         |                     |               |               |          |        |
| Message                                   |      |         | PASS                |               |               |          |        |
| Action                                    |      |         | Continue            |               |               |          |        |
| LCS = 4.78 MG/L                           | 1    | S3      |                     | 4.72          | 29.1          | 2.45     | ✓      |
| Known Conc:                               |      |         | 4.78                |               |               |          |        |
| Calibration:                              |      |         | Table/Fig. : 1      |               |               |          |        |
| ICV NO3 = 4.0 MG/L                        | 1    | S4      |                     | 4.22          | 26.3          | 2.25     | ✓      |
| Known Conc:                               |      |         | 4.00                |               |               |          |        |
| ICV NO2 = 4.0 MG/L                        | 1    | S5      |                     | 4.26          | 26.5          | 2.17     | ✓      |
| Known Conc:                               |      |         | 4.00                |               |               |          |        |
| LCS DUP = 4.78 MG/L                       | 1    | S3      |                     | 4.68          | 28.9          | 2.45     | ✓      |
| Known Conc:                               |      |         | 4.78                |               |               |          |        |
| 13H0490-01                                | 1    | 1       |                     | 0.189         | 1.28          | 0.104    | ✓      |
| 13H0490-02                                | 1    | 2       |                     | 0.0133        | 0.0819        | 5.43e-3  | ✓      |
| 13H0490-03                                | 1    | 3       |                     | 0.0105        | 0.0625        | 2.89e-3  | ✓      |
| 13H0490-04                                | 1    | 4       |                     | -9.27e-3      | -0.0732       | -2.99e-3 | ✓      |
| 13H0490-07                                | 1    | 5       |                     | 2.67e-3       | 8.95e-3       | 1.73e-3  | ✓      |
| BLANK                                     | 1    | 6       |                     | 5.04e-3       | 0.0252        | 2.78e-3  | ✓      |
| 13H0490-08                                | 1    | 7       |                     | 1.54          | 10.2          | 0.984    | ✓      |
| 13H0503-01                                | 1    | 8       |                     | 0.541         | 3.66          | 0.356    | ✓      |
| 13H0518-01                                | 1    | 9       |                     | 0.0485        | 0.324         | 0.0163   | ✓      |
| 13H0553-06                                | 1    | 10      |                     | 0.204         | 1.39          | 0.116    | ✓      |
| CCV = 5.0 MG/L                            | 1    | S1      |                     | 4.91          | 30.2          | 2.58     | 2.00   |
| Known Conc:                               |      |         | 5.00                |               |               |          |        |
| 13H0569-01                                | 1    | 11      |                     | -0.0101       | -0.0787       | -3.52e-3 | ✓      |
| BLANK                                     | 1    | 12      |                     | -3.59e-3      | -0.0341       | -2.49e-3 | ✓      |
| 13H0569-02                                | 1    | 13      |                     | 0.0111        | 0.0672        | 5.48e-3  | ✓      |
| 13H0569-02 MS=4.0 MG/L                    | 1    | 14      |                     | 4.06          | 25.4          | 2.39     | ✓      |
| 13H0569-02 MSD=4.0 MG/L                   | 1    | 15      |                     | 3.90          | 24.4          | 2.32     | ✓      |
| 13H0609-01                                | 1    | 16      |                     | 4.09          | 25.5          | 2.41     | ✓      |
| 13H0624-02                                | 1    | 17      |                     | 0.0224        | 0.145         | 0.0125   | ✓      |
| BLANK                                     | 1    | 18      |                     | -5.57e-3      | -0.0478       | -1.81e-3 | ✓      |
| 13H0627-01                                | 1    | 19      |                     | 0.0562        | 0.377         | 0.0221   | ✓      |
| 13H0630-01                                | 1    | 20      |                     | 1.90          | 12.4          | 1.07     | ✓      |
| CCV = 5.0 MG/L                            | 1    | S1      |                     | 5.05          | 30.9          | 2.67     | 2.00   |
| Known Conc:                               |      |         | 5.00                |               |               |          |        |
| 13H0630-01 DUP                            | 1    | 21      |                     | 1.94          | 12.7          | 1.10     | ✓      |
| 13H0630-01 MS=4.0 MG/L                    | 1    | 22      |                     | 6.18          | 37.0          | 3.05     | ✓      |
| 13H0674-02                                | 1    | 23      |                     | 1.59          | 10.5          | 1.02     | ✓      |
| BLANK                                     | 1    | 24      |                     | -0.0106       | -0.0825       | -2.50e-3 | ✓      |
| 13H0680-01                                | 1    | 25      |                     | 0.104         | 0.703         | 0.0402   | ✓      |
| CCV = 5.0 MG/L                            | 1    | S1      |                     | 4.80          | 29.6          | 2.57     | 2.00   |
| Known Conc:                               |      |         | 5.00                |               |               |          |        |

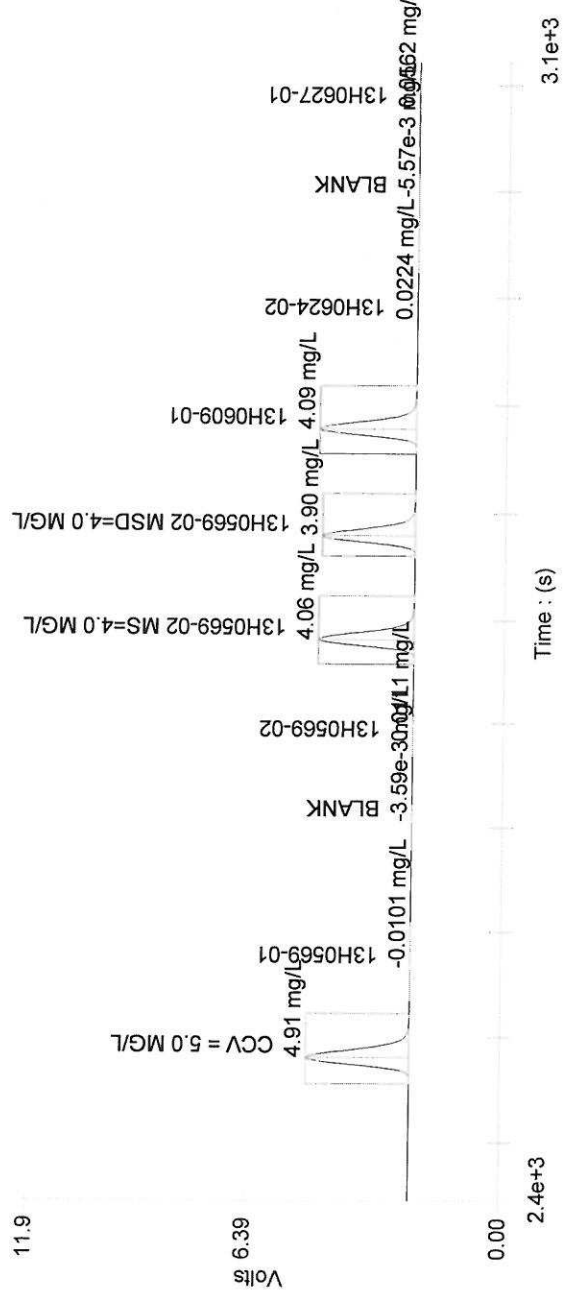
Channel 1 (NO3-NO2) - Set: 1 / 4



Channel 1 (NO3-NO2) - Set: 2 / 4



## Channel 1 (NO3-NO2) - Set: 3 / 4



## Channel 1 (NO3-NO2) - Set: 4 / 4

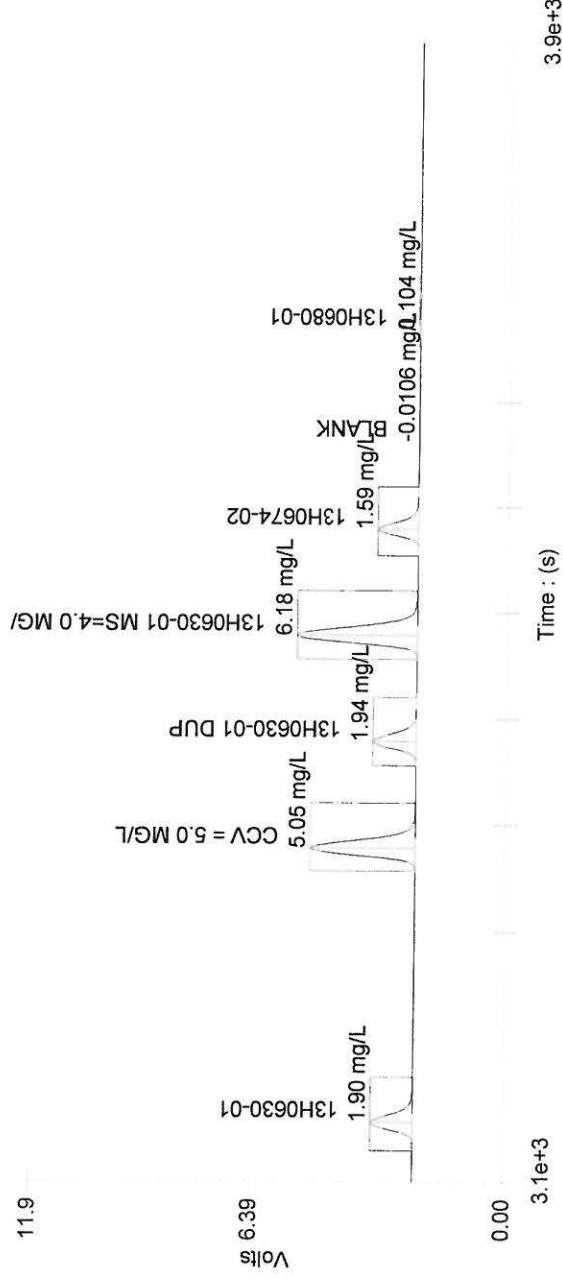
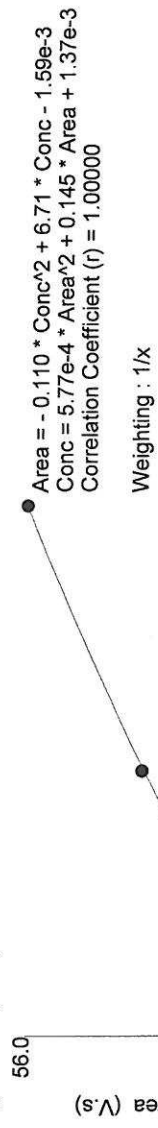


Table : 1 (NOX)

|   | Known Conc.<br>(mg/L) | Rep. | Peak Area<br>(V.s) | Peak Height<br>(V) | % RSD | % Residual | Det. Conc<br>(mg/L) | Detection Date | Detection Time |
|---|-----------------------|------|--------------------|--------------------|-------|------------|---------------------|----------------|----------------|
| 1 | 10.0                  | 1    | 56.0               | 4.11               | 0.0   | 0.3        | 9.95                | 8/19/2013      | 8:50:24 AM     |
| 2 | 5.00                  | 1    | 31.2               | 2.56               | 0.0   | -1.2       | 5.10                | 8/19/2013      | 8:53:35 AM     |
| 3 | 1.00                  | 1    | 6.40               | 0.551              | 0.0   | 3.1        | 0.955               | 8/19/2013      | 8:56:38 AM     |
| 4 | 0.100                 | 1    | 0.662              | 0.0555             | 0.0   | 0.9        | 0.0979              | 8/19/2013      | 9:00:02 AM     |
| 5 | 0.0500                | 1    | 0.335              | 0.0283             | 0.0   | -0.3       | 0.0501              | 8/19/2013      | 9:07:22 AM     |
| 6 | 0.00                  | 1    | 7.93e-3            | 1.49e-3            |       |            | 2.53e-3             | 8/19/2013      | 9:08:31 AM     |

Figure : 1 (NOX)



# PREPARATION BENCH SHEET

324

B079077

Con-Test Analytical Laboratory

Printed: 8/21/2013 6:31:25PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis              | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|-----------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0490-01   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | 0.012               |
| 13H0490-02   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | 0.047               |
| 13H0490-03   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | 0.034               |
| 13H0490-04   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          | 2X           | CDM Smith, Inc. - NY | 0.144               |
| 13H0490-07   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | 0.009               |
| 13H0490-08   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | 0.005               |
| 13H0569-01   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          | 2X           | CDM Smith, Inc. - NY | 0.103               |
| 13H0569-02   | Ferrous Iron by SM350 | 08/19/13 14:45 | 50           | 50         |          |            |          |              | CDM Smith, Inc. - NY | 0.032               |
| B079077-BLK1 | QC                    | 08/19/13 14:45 | 50           | 50         |          |            |          |              |                      | 0.002               |
| B079077-BS1  | QC                    | 08/19/13 14:45 | 50           | 50         | 1303262  |            | 200      |              | TV = 0.4             | 102% 0.121          |
| B079077-BSD1 | QC                    | 08/19/13 14:45 | 50           | 50         | 1303262  |            | 200      |              | +                    | 99.1% 0.118         |
| B079077-MS1  | QC                    | 08/19/13 14:45 | 50           | 50         | 1303261  | 13H0569-02 | 200      |              | TV = 0.4             | 98.7% 0.135         |
| B079077-MSD1 | QC                    | 08/19/13 14:45 | 50           | 50         | 1303261  | 13H0569-02 | 200      |              | TV = 1               | 96.9% 0.133         |

phenanthroline NC40-235  
ammonium acetate NC40-020  
genesis #3  
eppehndorf 3431147

MDL 0.030  $\rightarrow$  0.18/1.2 90%  
MDL 0.020  $\rightarrow$  0.17/1.2 88%  
MDL 0.020  $\rightarrow$  0.17/1.2 88%

ICV 0.117  $\rightarrow$  0.78/1.2 98%  
0.4

CCV 0.020  $\rightarrow$  0.175/0.2 88%

CCV 0.030  $\rightarrow$  0.18/0.2 91%

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date



Import Spec. - WC Water

Initial Calibration Date:

Test Code:

Analyst:

VLA

Prep Date/Time:

8/19/13 14:45

Analysis Date/Time:

8/19/13 14:45

Analyte: Ferrous Iron

Units: mg/L

Method: SM3500 Fe D

| Measured Response | Standards I.D. | Actual Concentration | Calculated Value (linear) |
|-------------------|----------------|----------------------|---------------------------|
| 0.002             |                | 0.00                 | -0.011                    |
| 0.032             |                | 0.20                 | 0.196                     |
| 0.065             |                | 0.40                 | 0.423                     |
| 0.119             |                | 0.80                 | 0.796                     |
| 0.177             |                | 1.20                 |                           |

Batch ID: B079077

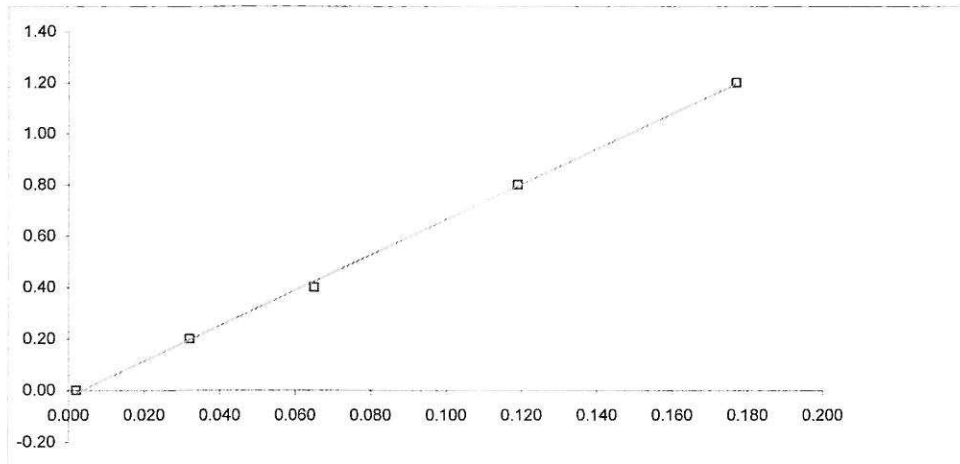
## LINEAR EQUATION

$$y=a+bx$$

a= 0.0035776

b= 0.1450431

r= 0.9996110



Volume Initial

Volume Final

Calculation: mg/L = (Raw value from curve) \* DF

Calculation: mg/kg = (Raw value from curve) \* (Extract Vol./Sample Wt.) \* DF

| A                       | B            | C              | D                | E              | F               | G                    | H                | I                       | J  | K       | L      | M            | N                |
|-------------------------|--------------|----------------|------------------|----------------|-----------------|----------------------|------------------|-------------------------|----|---------|--------|--------------|------------------|
| Import Spec. - WC_Water |              |                |                  |                |                 |                      |                  |                         |    |         |        |              |                  |
| #                       | Sample ID    | Client ID      | SampType         | Response (abs) | Analytical Time | Sample Aliquot (gms) | Sample Vol (mls) | Extraction Volume (mls) | DF | Analyte | Net DF | RawVal       | Final Conc. mg/L |
|                         | 13H0490-01   | MW-01_08-13-13 | Sample           | 0.012          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.05806835   | 0.05806835       |
|                         | 13H0490-02   | MW-02_08-13-13 | Sample           | 0.047          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.299375921  | 0.299375921      |
|                         | 13H0490-03   | MW-08_08-13-13 | Sample           | 0.034          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.209747404  | 0.209747404      |
|                         | 13H0490-04   | MW-03_08-13-13 | Sample           | 0.144          | 8/19/13 14:45   |                      | 50               |                         | 2  |         | 2      | 0.968142569  | 1.936285138      |
|                         | 13H0490-07   | MW-07_08-13-13 | Sample           | 0.009          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.037384842  | 0.037384842      |
|                         | 13H0490-08   | MW-05_08-13-13 | Sample           | 0.005          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.009806834  | 0.009806834      |
|                         | 13H0569-01   | MW-04_08-14-13 | Sample           | 0.103          | 8/19/13 14:45   |                      | 50               |                         | 2  |         | 2      | 0.685468018  | 1.370936036      |
|                         | 13H0569-02   | MW-06_08-14-13 | Sample           | 0.032          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.195958406  | 0.195958406      |
|                         | B079077-BLK1 | -              | Blank            | 0.002          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | -0.010876671 | -0.010876671     |
|                         | B079077-BS1  | -              | LCS              | 0.121          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.809569061  | 0.809569061      |
|                         | B079077-BSD1 | -              | LCS Dup          | 0.118          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.788885593  | 0.788885593      |
|                         | B079077-MS1  | 13H0569-02     | Matrix Spike     | 0.135          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.906092167  | 0.906092167      |
|                         | B079077-MSD1 | 13H0569-02     | Matrix Spike Dup | 0.133          | 8/19/13 14:45   |                      | 50               |                         | 1  |         | 1      | 0.892303109  | 0.892303109      |



O

| Final Conc.<br>mg/kg |
|----------------------|
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |
| 0                    |

## PREPARATION BENCH SHEET

329

B078961

Con-Test Analytical Laboratory

Printed: 8/23/2013 2:35:32PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis               | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|------------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0490-01   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-02   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-03   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-04   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-07   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0490-08   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-01   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-02   | Specific Conductance b | 08/16/13 12:15 | 100          | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| B078961-BLK1 | QC                     | 08/16/13 12:15 | 100          | 100        |          |            |          |              |                      |                     |
| B078961-BS1  | QC                     | 08/16/13 12:15 | 100          | 100        | 1305182  |            | 100000   |              |                      |                     |
| B078961-DUP1 | QC                     | 08/16/13 12:15 | 100          | 100        |          | 13H0569-02 |          |              |                      |                     |

Spiking Witnessed By \_\_\_\_\_ Date \_\_\_\_\_

Preparation Reviewed By \_\_\_\_\_ Date \_\_\_\_\_

Extracts Received By \_\_\_\_\_ Date \_\_\_\_\_

# CONDUCTIVITY

A duplicate analysis is required per batch per day

| DATE    | ANALYST  | LAB ID #        | CLIENT              | CALCULATION               | RESULT (µmhos/cm) |
|---------|----------|-----------------|---------------------|---------------------------|-------------------|
| 8/15/13 | KP/CM    | 13H0535-31      | Western Sampling    | $\frac{1340}{1.36} = 997$ | 5.997 ✓           |
|         | 1.36 gpm | └ -32           |                     | 7.28/21.3                 | 7.83 ✓            |
|         |          | └ 536-17        |                     | 7.01/21.2                 | 7.56 ✓            |
|         |          | └ -17 dup       |                     | 6.74/21.1                 | 7.28 ✓            |
|         | 97.4%    | CCV (030412)    | TV=289              | 202/21.3                  | 281.92 ✓          |
|         |          | 13H0536-18      | Western Sampling    | 6.54/20.9                 | 7.12 ✓            |
|         |          | └ -19           |                     | 5.75/20.9                 | 6.24 ✓            |
|         |          | └ -20           |                     | 6.63/21.0                 | 7.18 ✓            |
|         |          | 565-02          | Northwest Utilities | 320/23.0                  | 3.33 ✓            |
|         |          | 539-01          | BL Companies        | 6.68/22.1                 | 7.07 ✓            |
|         |          | 540-01          |                     | 15.26/21.8                | 16.25 ✓           |
|         |          | └ 540-01 dup    |                     | 15.22/21.6                | 14.28 ✓           |
|         | 97.8%    | CCV (030412)    | TV=289              | 207/22.1                  | 282.46 ✓          |
| 8/16/13 | KP/CM    | 8147K (17.5)    | DI                  | 871/22.4-25(0141)H        | = 6.75 ✓          |
|         | 10.6 gpm | 001m (WC40-052) | TV=147              | 134.5/21.5                | = 144.14 ✓        |
|         | 92%      | 01m (WC34-359)  | TV=1413             | 1201/21.0                 | = 1300.35 ✓       |
|         |          | 13H0534-01      |                     | 6.43/22.2                 | = 6.79 ✓          |
|         |          | └ 571-01        |                     | 2.62/21.8                 | = 2.79 ✓          |
|         |          | 571-02          |                     | 3.64/21.8                 | = 3.88 ✓          |
|         |          | 590-01          |                     | 2.58/22.2                 | = 2.73 ✓          |
|         |          | └ -02           |                     | 2.29/21.6                 | = 2.45 ✓          |
|         |          | └ -03           |                     | 3.28/21.4                 | = 3.52 ✓          |

## DUPLICATE ANALYSIS INFORMATION

| DATE | ANALYST | LAB # | CLIENT | SAMPLE RESULT | DUPLICATE RESULT | RANGE |
|------|---------|-------|--------|---------------|------------------|-------|
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |

# CONDUCTIVITY

A duplicate analysis is required per batch per day

| DATE    | ANALYST  | LAB ID #         | CLIENT  | CALCULATION            | RESULT (µmhos/cm) |
|---------|----------|------------------|---------|------------------------|-------------------|
| 8/16/13 | KP (CWA) | 1340596-01       |         | 22/21.4-25(.0191) +1   | 2.37 ✓            |
|         |          | -02              |         | 1.99/21.2              | 3.53-2.15 ✓       |
|         |          | -03              |         | 2.71/22.2              | 2.96 ✓            |
|         |          | -04              |         | 2.11/22.7              | 2.20 ✓            |
|         |          | -04 dup          |         | 1.90/21.4              | 2.04 ✓            |
|         | 97.2%    | CCV (030412)     | TV=28.9 | 2.59/20.9              | 2.81 ✓            |
|         |          | 1340596-05       |         | 2.32/21.5              | 2.49 ✓            |
|         |          | -06              |         | 3.31/22.0              | 3.51 ✓            |
|         |          | 490-01           |         | 1034/17.2              | 1215.01 ✓         |
|         |          | -02              |         | 1185/15.4              | 1451.07 ✓         |
|         |          | -03              |         | 1074/15.1              | 1324.44 ✓         |
|         |          | -04              |         | 1137/15.1              | 1402.13 ✓         |
|         |          | -07              |         | 1143/13.5              | 1464.73 ✓         |
|         |          | -08              |         | 1036/14.6              | 793.65 ✓          |
|         |          | 569-01           |         | 1693/15.4              | 1338.41 ✓         |
|         |          | -02              |         | 918/14.3               | 1153.80 ✓         |
|         |          | -02 dup          |         | 915/14.1               | 1155.58 ✓         |
|         | 97.8%    | CCV (030412)     | TV=28.9 | 2.60/20.8              | 2.82 ✓            |
|         |          | 1340596-06 dup   |         | 3.28/21.8-25(.0191) +1 | 3.49 ✓            |
| 8/16/13 | CM       | Blank            | DZ 17.0 | 1.10/21.3-25(.0191) +1 | 0.81 ✓            |
|         |          | .001M (0610-052) | TV=14.7 | 133.9/20.7             | 145.88 ✓          |
|         |          | .01M (0638-359)  | TV=14.3 | 1167/20.3              | 1282.89 ✓         |

## DUPLICATE ANALYSIS INFORMATION

| DATE | ANALYST | LAB # | CLIENT | SAMPLE RESULT | DUPLICATE RESULT | RANGE |
|------|---------|-------|--------|---------------|------------------|-------|
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |
|      |         |       |        |               |                  |       |

## PREPARATION BENCH SHEET

332

B079386

Con-Test Analytical Laboratory

Printed: 9/5/2013 1:42:50PM

Matrix: Water

Prepared using: WET CHEMISTRY - NO PREP

(No Surrogate)

| Lab Number   | Analysis             | Prepared       | Initial (mL) | Final (mL) | Spike ID | Source ID  | ul Spike | ul Surrogate | Client               | Extraction Comments |
|--------------|----------------------|----------------|--------------|------------|----------|------------|----------|--------------|----------------------|---------------------|
| 13H0569-01   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0569-02   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | CDM Smith, Inc. - NY |                     |
| 13H0817-01   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED]           | Report to the MDL   |
| 13H0817-02   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED]           | Report to the MDL   |
| 13H0817-03   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED] - R       | Report to the MDL   |
| 13H0817-04   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED] - R       | Report to the MDL   |
| 13H0817-05   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED] - R       | Report to the MDL   |
| 13H0817-06   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED] - R       | Report to the MDL   |
| 13H0817-07   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED] - R       | Report to the MDL   |
| 13H0817-08   | Sulfate by ASTM D516 | 08/22/13 18:30 | 25           | 100        |          |            |          |              | [REDACTED] - R       | Report to the MDL   |
| B079386-BLK1 | QC                   | 08/22/13 18:30 | 100          | 100        |          |            |          |              |                      |                     |
| B079386-BS1  | QC                   | 08/22/13 18:30 | 100          | 100        | 1306006  |            | 20000    |              |                      |                     |
| B079386-BSD1 | QC                   | 08/22/13 18:30 | 100          | 100        | 1306006  |            | 20000    |              |                      |                     |
| B079386-MS1  | QC                   | 08/22/13 18:30 | 10           | 100        | 1308145  | 13H0569-02 | 20000    |              |                      |                     |
| B079386-MSD1 | QC                   | 08/22/13 18:30 | 10           | 100        | 1308145  | 13H0569-02 | 20000    |              |                      |                     |

Spiking Witnessed By

Date

Preparation Reviewed By

Date

Extracts Received By

Date



# Sulfate

Method ASTM D516-02

Spec. ID : 9005111 Date : 8-22-13 Start time: 1615 Finish time: 1630 Analyst: LA  
 QC Reference (LCS) : 12006006 T.V. = 20.0 mg/L Range : 80.5-110.4

| Sample ID #               | Abs.      | Calculations / Final Results | Comments/Time    |
|---------------------------|-----------|------------------------------|------------------|
| Dup & MS at 10% or better | .011      | $3.105 - 5 = \checkmark$     |                  |
| QC-reference (LCS) LCS    | .107      | $19.14 / 20 \checkmark$      | T.V. = 20.0 mg/L |
| LFB-                      | .110      | $19.05 / 20 \checkmark$      | T.V. = 20.0 mg/L |
| 1. 13H05104-01            | .015/.107 | $19.54 \times 4 \checkmark$  | $= 78.10$        |
| 2. 1-02                   | .012/.204 | $20.47 \times 4$             | $= 81.88$        |
| 3. 3-03                   | .013/.273 | $26.42 \times 10$            | $= 264.20$       |
| 4. 90.7%                  | .013/.273 | $26.42 \times 10$            | $= 264.20$       |
| 5. 13H0517-01             | .049/.200 | $27.22 \times 4$             | $= 108.88$       |
| 6. 1-02                   | .010/.273 | $26.51 \times 4$             | $= 106.04$       |
| 7. 1-03                   | .007/.207 | $26.78 \times 4$             | $= 107.12$       |
| 8. 1-04                   | .049/.200 | $19.07 \times 4$             | $= 76.28$        |
| 9. 1-05                   | .002/.237 | $24.40 \times 4$             | $= 97.64$        |
| 10. 1-06                  | .010/.298 | $28.83 \times 4$             | $= 115.32$       |
| 11. 1-07                  | .002/.240 | $25.20 \times 4$             | $= 101.20$       |
| 12. 1-08                  | .010/.205 | $26.22 \times 4$             | $= 104.88$       |
| CCV                       | .105      | $20.74 / 20 \checkmark$      | T.V. = 20.0 mg/L |
| 13. 1-05                  | .011      | $3.105 - 5 \checkmark$       | $= \checkmark$   |
| 14.                       |           |                              |                  |
| 15.                       |           |                              |                  |
| 16.                       |           |                              |                  |
| 17.                       |           |                              |                  |
| 18.                       |           |                              |                  |
| 19.                       |           |                              |                  |
| 20.                       |           |                              |                  |
| 21.                       |           |                              |                  |
| 22.                       |           |                              |                  |
| 23.                       |           |                              |                  |
| 24.                       |           |                              |                  |
| CCV                       |           |                              | T.V. =           |

See next page for standard/curve worksheet

# Sulfate

Method ASTM D516-02

Spec. ID : GENESYS#1

Date/Analyst : 8.22.13 VLA

| Standard | mls of Stock | Stock Conc. | Final Vol. | Std. Conc. | units | Absorbance |
|----------|--------------|-------------|------------|------------|-------|------------|
| Std. 1   | 2 mL         | 100 mg/L    | 100 mL     | 8          | mg/L  | .000       |
| Std. 2   | 5            |             |            | 5          |       | .015       |
| Std. 3   | 10           |             |            | 10         |       | .075       |
| Std. 4   | 20           |             |            | 20         |       | .194       |
|          | 30           |             |            | 30         |       | .305       |
|          | 40           |             |            | 40         |       | .393       |

Correlation Coefficient : 0.998343465

Wavelength : 420 nm

Stock ID :

W641-042

Path Length : 1 cm

Stock Expiration :

8.15.14

Comments :

Stock Concentration :

100 mg/L

Diluent :

D1

Reagents: Color - Con-Test Lot # :

W640-308

BULK 2420 129517 VWR